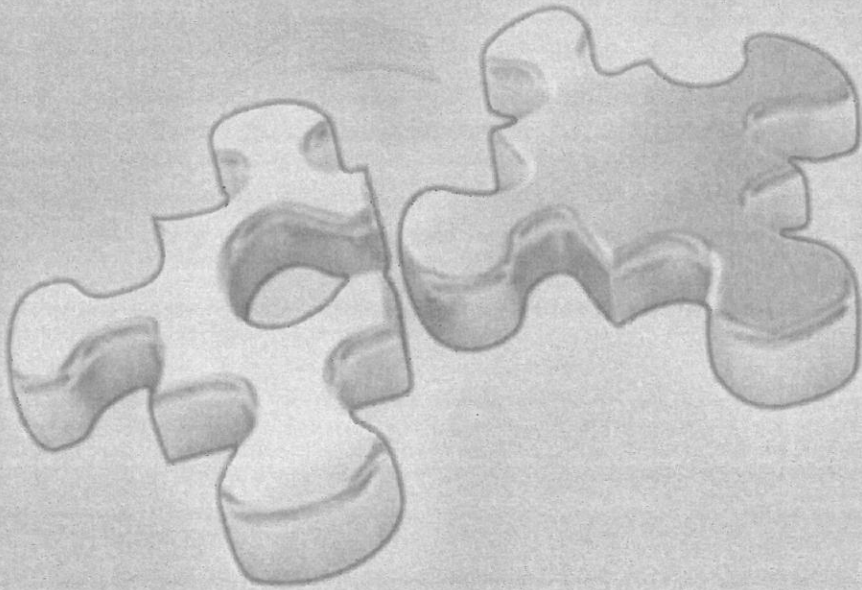


ÇAĞDAŞ ANALİZ

YÖS



**GENEL YETENEK (IQ)
SORU BANKASI - 2**

ÖNSÖZ

Sevgili YÖS Adayları;

Çağdaş Analiz Eğitim Kurumları, Türkiye'nin SADECE YÖS HAZIRLIK yapan ilk ve tek kurumudur. Eğitim kalitesiyle, YÖS konusundaki bilgi, birikim ve tecrübesiyle, öğrencilerinin her yıl katlanarak artan başarılarıyla rakipsiz olan Çağdaş Analiz, yayınlarıyla da sizlerin en büyük yardımcısı olmaktadır.

Çünkü Çağdaş Analiz Eğitim Kurumları bütün YÖS adaylarını kendi öğrencisi gibi görmektedir.

Sahip olduğumuz bütün güçle ve YÖS Hazırlık lideri olmanın sorumluluğuyla her zaman yanınızda olduğumuzu bilmenizi isteriz.

Hepinize başarılar dileriz.

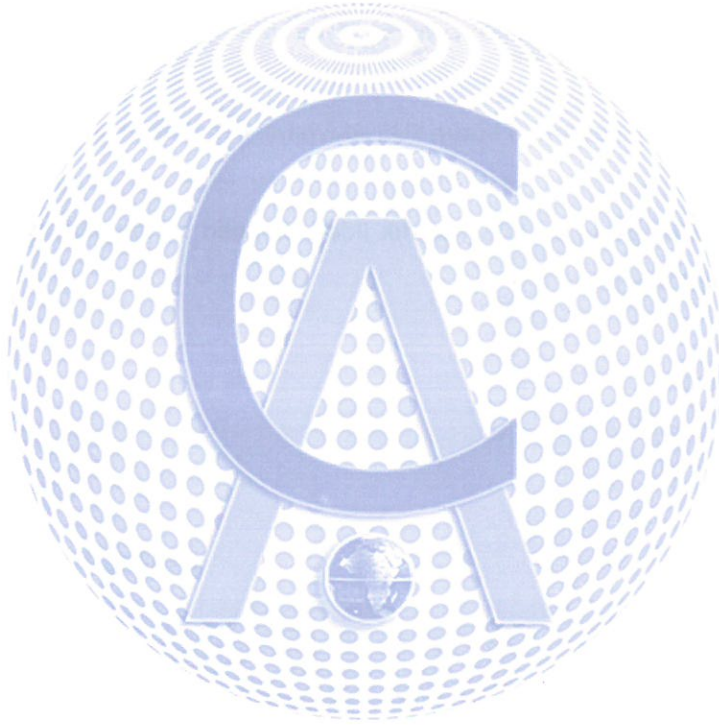
ÇAĞDAŞ ANALİZ EĞİTİM KURUMLARI

Bu kitabın tüm hakları Özel BERFİN EĞİTİM HİZ. SAN. TİC. LTD ŞTİ ve ÇAĞDAŞ ANALİZ Eğitim Kurumlarına aittir.

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Kitabın tüm basım ve yayın hakları Türkiye Cumhuriyeti'nin ilgili Telif Yasası hükümlerince güvence altına alınmıştır.

Ayrıca, kitabın izinsiz kullanımını önlemek amacıyla özel güvence önlemleri mevcuttur. İzinsiz kullanım durumunda tüm maddi ve manevi yasal sorumluluklar kullanıcıya aittir.



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1. BÖLÜM

ŞİFRELER







1. I. II.
G Ü L A Y }
Y A L I N }
N İ L A Y }
G Ü V E N }
L E Y L A }
⇒ {
4 6 2 9 8
8 1 2 6 4
3 5 7 0 8
2 0 4 2 6
3 5 2 6 4

G Ü L A Y = ?

- A) 46298 B) 81264 C) 35708
D) 20426 E) 35264

2. I. II.
E L K A R }
R K L E N }
A E L K N }
K R L A E }
L R K E A }
⇒ {
7 3 1 5 8
1 6 5 3 7
3 1 5 7 6
5 6 1 7 3
6 5 1 3 8

K R L A E = ?

- A) 73158 B) 16537 C) 31576
D) 56173 E) 65138

3. I. II.
A Y Ş E }
S E N A }
A S L I }
A S K I }
A T A K }
⇒ {
6 5 2 1
1 6 0 9
1 8 1 7
1 3 4 5
1 6 7 9

A S L I = ?

- A) 6521 B) 1609 C) 1817
D) 1345 E) 1679

4. I. II.
Ş A H A N }
N İ H A T }
İ T H A L }
N E V A L }
E L V A N }
⇒ {
4 5 1 2 7
8 7 6 2 0
3 2 1 2 0
0 4 1 2 5
0 8 6 2 7

N İ H A T = ?

- A) 45127 B) 87620 C) 32120
D) 04125 E) 08627

5. I. II.
A C E D F }
C F D E A }
E A C F D }
D E A C J }
F D J A C }
⇒ {
3 7 5 4 1
5 4 1 3 8
4 1 3 7 5
1 3 4 5 7
7 5 8 1 3

E A C F D = ?

- A) 37541 B) 54138 C) 41375
D) 13457 E) 75813

6. I. II.
★ ▲ ● ■ ▼ }
▼ ● ★ ▲ ■ }
▲ ★ ■ ▼ ● }
● ■ ▼ ★ ▲ }
● ▼ ▲ ● ★ }
⇒ {
4 3 7 1 5
3 5 4 7 1
6 4 1 3 7
7 1 3 5 4
1 7 5 4 3

● ■ ▼ ★ ▲ = ?

- A) 43715 B) 35471 C) 64137
D) 71354 E) 17543



7. I. $\left. \begin{array}{l} 1\ 0\ 3\ 5\ 7\ 4 \\ 4\ 1\ 0\ 3\ 5\ 7 \\ 2\ 3\ 4\ 1\ 0\ 5 \\ 3\ 2\ 1\ 0\ 4\ 6 \\ 6\ 4\ 5\ 2\ 3\ 1 \end{array} \right\} \Rightarrow \left\{ \begin{array}{l} \text{H D F A C B} \\ \text{F A C D B E} \\ \text{G F B H D A} \\ \text{A C D B E F} \\ \text{D H A C F G} \end{array} \right.$ II.

6 4 5 2 3 1 = ?

- A) H D F A C B B) F A C D B E C) G F B H D A
D) A C D B E F E) D H A C F G

8. I. $\left\{ \begin{array}{l} \text{K U L E} \\ \text{R A K I} \\ \text{O R A K} \\ \text{A M O R} \\ \text{S O R U} \end{array} \right\} \Rightarrow \left\{ \begin{array}{l} 5\ 6\ 1\ 7 \\ 8\ 5\ 6\ 1 \\ 6\ 0\ 8\ 5 \\ 9\ 8\ 5\ 2 \\ 1\ 2\ 3\ 4 \end{array} \right.$ II.

O R A K = ?

- A) 5 6 1 7 B) 8 5 6 1 C) 6 0 8 5
D) 9 8 5 2 E) 1 2 3 4

9. I. $\left\{ \begin{array}{l} 1\ 2\ 0\ 5\ 3\ 8 \\ \downarrow\downarrow\downarrow\downarrow\downarrow\downarrow \\ \text{A R Z G L Y} \end{array} \right\} \rightarrow \left\{ \begin{array}{l} 5\ 8\ 0\ 1\ 4\ 3\ 2 \\ \downarrow\downarrow\downarrow\downarrow\downarrow\downarrow \\ \text{? ? ? ? ? ? ?} \end{array} \right.$ II.

- A) G Y Z A T L R B) Y G Z A T L R
C) G Y Z A L T R D) G Y Z A R L Y
E) G Y Z A L T R

10. I. $\left\{ \begin{array}{l} \text{K O N U Ş K A N} \\ \downarrow\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow \\ 1\ 3\ 5\ 0\ 2\ 1\ 4\ 5 \end{array} \right\} \rightarrow \left\{ \begin{array}{l} \text{K U Ş A N M A} \\ \downarrow\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow \\ \text{? ? ? ? ? ? ?} \end{array} \right.$ II.

- A) 1 0 2 4 5 3 4 B) 1 0 2 4 5 0 4
C) 1 0 2 4 5 1 4 D) 1 0 2 4 5 8 4
E) 1 0 2 4 5 2 4

11. I. $\left\{ \begin{array}{l} \text{K L P Q N M Y} \\ \downarrow\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow \\ 3\ 4\ 0\ 1\ 5\ 7\ 6 \end{array} \right\} \rightarrow \left\{ \begin{array}{l} \text{P K L Q T N S} \\ \downarrow\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow \\ \text{? ? ? ? ? ? ?} \end{array} \right.$ II.

- A) 0 3 4 1 7 5 9 B) 0 3 4 1 2 5 7
C) 0 3 4 1 7 5 8 D) 0 3 4 1 6 5 4
E) 0 3 4 1 8 5 9

12. I. $\left\{ \begin{array}{l} \text{T J K H İ N E V} \\ \downarrow\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow \\ 5\ 4\ 0\ 1\ 3\ 7\ 2\ 9 \end{array} \right\} \rightarrow \left\{ \begin{array}{l} \text{H N V E İ S K T Y J} \\ \downarrow\downarrow\downarrow\downarrow\downarrow\downarrow\downarrow \\ \text{? ? ? ? ? ? ? ?} \end{array} \right.$ II.

- A) 1 7 9 2 3 4 0 5 8 4 B) 1 7 9 2 3 6 0 5 7 4
C) 1 7 9 2 3 6 0 5 8 4 D) 1 7 9 2 3 0 0 5 8 2
E) 1 7 9 2 3 1 0 5 8 4

Cevap Anahtarı – Answer Sheet

1.E	2.D	3.B	4.D	5.C	6.B
7.C	8.B	9.A	10.D	11.E	12.C



1. I. PSRIWQYZ
↓↓↓↓↓↓↓↓
95164702
- II. WZPQRYIXST
↓↓↓↓↓↓↓↓
????????
- A) 4297106451 B) 4297106358
C) 4297106258 D) 4297106554
E) 4297106357

2. I. JXYZWQPTR
↓↓↓↓↓↓↓↓
301257498
- II. TRWXXVYJ
↓↓↓↓↓↓↓↓
????????
- A) 98500113 B) 98500213
C) 98500513 D) 98500413
E) 98500613

3. I. KPQWZY
KWPYZQ
YWPZLQ
ZTQYLZ
YTPQYW
- II. $\begin{cases} 510437 \\ 541730 \\ 741380 \\ 390783 \\ 791074 \end{cases}$
- YWPZLQ=?
- A) 510437 B) 541730 C) 741380
D) 390783 E) 791074

4. I. $\begin{cases} 67905 \\ 57804 \\ 69857 \\ 79041 \\ 06751 \end{cases}$
- II. $\begin{cases} EBF DG \\ BCD GH \\ ACF EB \\ DAB EH \\ ABC DE \end{cases}$
- 67905=?
- A) EBF DG B) BCD GH C) ACF EB
D) DAB EH E) ABC DE

5. I. $\begin{cases} KMLQP \\ PTQKM \\ PKQTM \\ MKLTS \\ MTLKP \end{cases}$
- II. $\begin{cases} * \blacktriangledown \bullet \star \blacktriangle \\ \blacktriangle \star \blacksquare \blacktriangledown * \\ \blacktriangle \blacktriangledown \blacksquare \star * \\ \star * \bullet \blacksquare \blacktriangle \\ * \star \bullet \blacktriangledown \bullet \end{cases}$
- PTQKM=?
- A) * $\blacktriangledown$ $\bullet$ $\star$ $\blacktriangle$ B) $\blacktriangle$ $\star$ $\blacksquare$ $\blacktriangledown$ $*$
C) $\blacktriangle$ $\blacktriangledown$ $\blacksquare$ $\star$ $*$ D) $\star$ $*$ $\bullet$ $\blacksquare$ $\blacktriangle$
E) * $\star$ $\bullet$ $\blacktriangledown$ $\bullet$

6. I. $\begin{cases} GÖZLÜK \\ KÜLLÜK \\ KIŞLIK \\ ŞIKLIK \\ SÖZLÜK \end{cases}$
- II. $\begin{cases} 486584 \\ 079514 \\ 684584 \\ 379514 \\ 415514 \end{cases}$
- KIŞLIK=?
- A) 486584 B) 079514 C) 684584
D) 379514 E) 415514



7. I. II.
- | | | |
|--------|---|--------|
| TAHSİN | ⇒ | JKÖQZP |
| RİDVAN | | YXBCOÖ |
| TANDIR | | PZQŞKÖ |
| MUHSİN | | JKBCOD |
| TAHSİL | | JKBCOÖ |

TAHSİN=?

- A) JKÖQZP B) YXBCOÖ C) PZQŞKÖ
D) JKBCOD E) JKBCOÖ

8. I. II.
- | | | |
|-------|---|-----------|
| POLİS | ⇒ | ● ♥ ▲ ● ▼ |
| SİLAH | | ♥ ● ■ * ○ |
| HALİS | | ▲ ★ ■ ● ♥ |
| HAPİS | | ○ * ▲ ● ♥ |
| İSPİR | | ○ * ■ ● ♥ |

İSPİR=?

- A) ● ♥ ▲ ● ▼ B) ♥ ● ■ * ○ C) ▲ ★ ■ ● ♥
D) ○ * ▲ ● ♥ E) ○ * ■ ● ♥

9. I. II.
- | | | |
|--------|---|-------------|
| KLMNOQ | ⇒ | 3 4 1 2 7 6 |
| MNLQPK | | 6 1 2 4 3 5 |
| PKLMNO | | 7 5 6 1 4 2 |
| NMKLQP | | 1 2 4 3 5 7 |
| QOPKML | | 4 3 2 7 6 1 |

6 1 2 4 3 5=?

- A) KLMNOQ B) MNLQPK C) PKLMNO
D) NMKLQP E) QOPKML

10. I. II.
- | | | |
|-----------|---|-----------|
| 1 2 5 3 7 | ⇒ | Ğ Ç A N Ş |
| 3 5 7 8 4 | | L A Ç D N |
| 4 2 1 3 8 | | Ç A Ğ D Ş |
| 7 8 3 4 5 | | Ş N D L Ğ |
| 5 1 2 8 7 | | D Ğ Ş N L |

7 8 3 4 5=?

- A) Ğ Ç A N Ş B) L A Ç D N C) Ç A Ğ D Ş
D) Ş N D L Ğ E) D Ğ Ş N L

11. I. II.
- | | | |
|---------|---|---------|
| 1 3 2 5 | ⇒ | A B C D |
| 5 2 3 1 | | C F D B |
| 7 1 6 2 | | E A F C |
| 2 6 5 3 | | F E A K |
| 6 7 1 4 | | D C B A |

7 1 6 2=?

- A) A B C D B) C F D B C) E A F C
D) F E A K E) D C B A

12. I. II.
- | | | |
|-----------|---|-----------|
| € β α ∅ * | ⇒ | 0 4 7 5 1 |
| * € β α γ | | 2 7 3 4 0 |
| β γ ∅ * € | | 1 0 2 7 5 |
| α ∅ Q γ β | | 5 1 0 2 4 |
| ∅ * γ β α | | 7 5 4 0 2 |

∅ * γ β α=?

- A) 0 4 7 5 1 B) 2 7 3 4 0 C) 1 0 2 7 5
D) 5 1 0 2 4 E) 7 5 4 0 2

Cevap Anahtarı – Answer Sheet

1.B	2.E	3.C	4.E	5.C	6.A
7.E	8.A	9.C	10.D	11.C	12.E



ŞİFRELER

TEST – 3

1. I. K A L M İ
A L İ K E
E K S E N
N İ K A L
L E A S K
- II. 6 1 7 6 8
1 5 3 4 0
8 0 1 5 3
5 3 0 1 6
3 6 5 7 1
- ⇒

E K S E N = ?

- A) 6 1 7 6 8 B) 1 5 3 4 0 C) 8 0 1 5 3
D) 5 3 0 1 6 E) 3 6 5 7 1

2. I. 6 4 1 3
2 3 6 1
4 1 3 2
1 2 7 6
3 6 2 7
- II. ★ * ■ ●
○ ■ ● *
* ♥ ○ ★
♥ ○ ★ ■
■ ★ * ○
- ⇒

1 2 7 6 = ?

- A) ★ * ■ ● B) ○ ■ ● *
C) * ♥ ○ ★ D) ♥ ○ ★ ■
E) ■ ★ * ○

3. I. Ø ⊙ △ ■ ▽ ▲ ○ □
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
K L P T M R S Y
- II. ▲ ○ ▽ △ △ Ø ⊙ ⊙ ■
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
? ? ? ? ? ? ? ?
- ⇒
- A) R S M P P K Y L T B) R S M P P K R L T
C) R S M P P K X L T D) R S M P P K S L T
E) R S M P P K L L T

4. I. ⊗ ⊗ ▽ □ ⊕ △ ≡ □
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
3 8 5 0 1 7 6 4
- II. □ △ ▽ ⊕ ⊙ ⊗ ⊕ □
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
? ? ? ? ? ? ? ?
- ⇒
- A) 0 7 4 1 9 3 8 1 4 B) 0 7 4 1 8 3 8 4 4
C) 0 7 4 1 5 3 8 1 4 D) 0 7 4 1 9 3 8 2 4
E) 0 7 4 1 9 3 8 3 4

5. I. * ✕ ✖ ✙ ✚ ✛ ✜ ✝
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
4 1 3 0 7 2 6 5
- II. x ✎ α ✎ ✖ ✙ ✚ ✛ ✜ ✝
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
? ? ? ? ? ? ? ?
- ⇒
- A) 5 0 6 7 3 2 4 1 2 0 B) 5 0 6 7 3 2 4 1 2 8
C) 5 0 6 7 3 8 4 1 2 9 D) 5 0 6 7 3 5 4 1 2 9
E) 5 0 6 7 3 8 4 1 2 3

6. I. △ ▽ ▽ ▽ ▽ ▽ ▽ ▽
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
4 1 3 4 1 2 5 2
- II. ▽ ▽ ▽ ▽ ▽ ▽ ▽ ▽
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
? ? ? ? ? ? ? ?
- ⇒
- A) 2 5 4 1 4 3 5 1 4 6 B) 2 5 4 1 4 3 6 1 4 5
C) 2 5 4 1 4 3 5 1 4 2 D) 2 5 4 1 4 3 5 1 4 9
E) 2 5 4 1 4 3 6 1 4 7

7. I. II.
- ↓ ↓ ↓ ↓ ↓ ↓ → ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
- 2 5 5 7 9 1 3 ? ? ? ? ? ? ? ? ? ?
- A) 7 5 7 2 9 5 9 1 3 3 B) 7 5 7 2 9 2 9 1 5 3
- C) 7 5 7 2 9 1 8 9 1 3 D) 7 5 7 2 9 8 9 1 3 3
- E) 7 5 7 2 1 9 8 1 3 3

8. I. II.
- ↓ ↓ ↓ ↓ ↓ → ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
- K A L E M ? ? ? ? ? ? ? ?
- A) MKELKAST B) MTELKALT
C) MTELKAST D) MTELKAKT
E) MTELKAET

9. I.
- | | | | | |
|---|---|---|---|---|
| ▲ | ■ | ★ | ● | ▼ |
| ■ | ♥ | ▲ | ★ | ● |
| ▼ | ★ | ■ | ● | ♥ |
| ★ | ♥ | ● | ▲ | ▼ |
| ■ | ★ | ● | ♥ | ★ |
- II.
- | | | | | |
|---|---|---|---|---|
| ♥ | β | γ | ∅ | * |
| γ | β | ∅ | * | β |
| ∉ | γ | β | ∅ | ♥ |
| β | * | ∅ | ∉ | ♥ |
| γ | * | ∉ | β | ∅ |
- ★ ♥ ● ▲ ▼ = ?
- A) ♥ β γ ∅ *
- B) γ β ∅ * β
- C) ∉ γ β ∅ ♥
- D) β * ∅ ∉ ♥
- E) γ * ∉ β ∅

10. I. $\begin{matrix} \triangle & \bullet & \square & \nabla & \circ \\ \blacksquare & \diamond & \circ & \triangle & \bullet \\ \square & \triangle & \bullet & \triangle & \circ \\ \diamond & \bullet & \triangle & \nabla & \blacksquare \\ \triangle & \nabla & \bullet & \square & \bullet \end{matrix}$ II. $\begin{matrix} A C B D B \\ D A B A E \\ A B D C E \\ G B A C F \\ F G E A B \end{matrix}$
- $\triangle \bullet \square \nabla \circ = ?$
- A) ACBDB B) DABAE C) ABDCE
D) GBACF E) FGEAB

11. I. $\left. \begin{array}{l} \text{YONCA} \\ \text{GONCA} \\ \text{LOKMA} \\ \text{LONCA} \\ \text{KANCA} \end{array} \right\} \Rightarrow \left\{ \begin{array}{l} 25413 \\ 75413 \\ 65983 \\ 65413 \\ 93413 \end{array} \right.$
- II. $\text{LONCA} = ?$
- A) 25413 B) 75413 C) 65983
D) 65413 E) 93413

12. I. $\begin{matrix} 1 & 3 & 4 & 7 & 5 \\ 5 & 2 & 3 & 4 & 7 \\ 1 & 5 & 4 & 2 & 3 \\ 6 & 1 & 4 & 3 & 5 \\ 2 & 1 & 6 & 4 & 3 \end{matrix}$ II. $\begin{matrix} C & A & B & T & D \\ D & Q & A & B & T \\ C & D & B & Q & A \\ J & C & B & A & D \\ Q & C & J & B & A \end{matrix}$
- $\Rightarrow$
- 5 2 3 4 7 = ?
- A) CABTD B) DQABT C) CDBQA
D) JCBAD E) QCJBA

Cevap Anahtarı – Answer Sheet

1.A	2.B	3.C	4.D	5.C	6.E
7.D	8.C	9.D	10.C	11.D	12.B



1. I. II.

$$\left. \begin{array}{l} D K Y N E \\ E D N Y K \\ K Y T E D \\ Y N D K E \\ N E K D Y \end{array} \right\} \Rightarrow \left\{ \begin{array}{l} 1 2 0 3 4 \\ 2 0 5 4 1 \\ 4 1 3 0 2 \\ 0 3 1 2 4 \\ 3 4 2 1 0 \end{array} \right.$$

D K Y N E = ?

- A) 1 2 0 3 4 B) 2 0 5 4 1 C) 4 1 3 0 2
D) 0 3 1 2 4 E) 3 4 2 1 0

3. I. II.

$$\left. \begin{array}{l} 1 0 2 3 5 \\ 5 1 0 2 3 \\ 0 4 1 5 6 \\ 3 2 4 1 0 \\ 7 3 5 4 2 \end{array} \right\} \Rightarrow \left\{ \begin{array}{l} R A C B T \\ A C B T R \\ C Z A R Y \\ \text{Ş T R Z B} \\ T B Z A C \end{array} \right.$$

0 4 1 5 6 = ?

- A) R A C B T B) A C B T R C) C Z A R Y
D) Ş T R Z B E) T B Z A C

2. I. II.

$$\left. \begin{array}{l} \circ * \square \triangle \bullet \\ \bullet \square * \circ \blacksquare \\ \square \circ \triangle \nabla * \\ * \triangle \circ \bullet \square \\ \triangle \bullet \nabla * \circ \end{array} \right\} \Rightarrow \left\{ \begin{array}{l} 6 4 1 0 3 \\ 1 2 0 3 4 \\ 3 1 4 2 6 \\ 4 3 6 1 2 \\ 2 6 3 4 5 \end{array} \right.$$

* $\triangle$ $\circ$ $\bullet$ $\square$ = ?

- A) 6 4 1 0 3 B) 1 2 0 3 4 C) 3 1 4 2 6
D) 4 3 6 1 2 E) 2 6 3 4 5

4. I. II.

$$\left. \begin{array}{l} 4 7 5 0 1 \\ 1 4 7 5 0 \\ 5 0 6 1 7 \\ 7 1 0 6 4 \\ 0 3 1 4 5 \end{array} \right\} \Rightarrow \left\{ \begin{array}{l} \triangle \blacktriangle \star \boxtimes \bullet \\ \bullet \triangle \odot \star \square \\ \boxtimes \square \bullet \triangle \star \\ \star \boxtimes \square \bullet \triangle \\ \square \star \triangle \odot \boxtimes \end{array} \right.$$

4 7 5 0 1 = ?

- A) $\triangle \blacktriangle \star \boxtimes \bullet$ B) $\bullet \triangle \odot \star \square$
C) $\boxtimes \square \bullet \triangle \star$ D) $\star \boxtimes \square \bullet \triangle$
E) $\square \star \triangle \odot \boxtimes$



5. I. $\left. \begin{matrix} KLMNO \\ LMPNK \\ TMLPO \\ KNPLK \\ LONPM \end{matrix} \right\} \Rightarrow$ II. $\left\{ \begin{matrix} BEDFC \\ BCFDA \\ ABCDE \\ GCBFE \\ ADFBA \end{matrix} \right.$
- TM L P O = ?**
- A) BEDFC B) BCFDA C) ABCDE
D) GCBFE E) ADFBA
6. I. $\left\{ \begin{matrix} \star \square \triangle \odot \diamond \\ \diamond \star \square \odot \triangle \\ \triangle \square \triangle \diamond \odot \\ \triangle \square \star \diamond \square \\ \square \triangle \odot \square \star \end{matrix} \right\} \Rightarrow$ II. $\left\{ \begin{matrix} 52573 \\ 54172 \\ 25321 \\ 71423 \\ 12537 \end{matrix} \right.$
- $\square \triangle \odot \square \star = ?$
- A) 52573 B) 54172 C) 25321
D) 71423 E) 12537
7. I. $\left\{ \begin{matrix} 31215 \\ 12134 \\ 51312 \\ 41352 \\ 21453 \end{matrix} \right\} \Rightarrow$ II. $\left\{ \begin{matrix} 97678 \\ 07698 \\ 78760 \\ 87096 \\ 67879 \end{matrix} \right.$
- 3 1 2 1 5 = ?**
- A) 97678 B) 07698 C) 78760
D) 87096 E) 67879
8. I. $\left\{ \begin{matrix} \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \\ D \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \checkmark \\ A L N Z \checkmark \checkmark \checkmark \checkmark \\ \checkmark \checkmark L A D N Z A \\ A \checkmark D Z \checkmark \checkmark L N \end{matrix} \right\} \Rightarrow$ II. $\left\{ \begin{matrix} 38265416 \\ 03576421 \\ 63517024 \\ 62413785 \\ 58367241 \end{matrix} \right.$
- Ç Ğ D Ş A N L Z = ?**
- A) 38265416 B) 03576421
C) 63517024 D) 62413785
E) 58367241
9. I. $\left\{ \begin{matrix} \emptyset \star \boxtimes \ast \cong \supset \\ \star \supset \emptyset \cong \ast \cup \\ \supset \boxtimes \ast \emptyset \equiv \star \\ \ast \cup \cong \boxtimes \star \cong \\ \boxtimes \square \star \supset \cup \ast \end{matrix} \right\} \Rightarrow$ II. $\left\{ \begin{matrix} 392674 \\ 634182 \\ 123456 \\ 475325 \\ 261547 \end{matrix} \right.$
- $\supset \boxtimes \ast \emptyset \equiv \star = ?$
- A) 392674 B) 634182 C) 123456
D) 475325 E) 261547
10. I. $\left\{ \begin{matrix} \hookleftarrow \otimes \rightarrow \oplus \notin \\ \notin \rightarrow \otimes \subseteq \oplus \\ \rightarrow \oplus \notin \otimes \neq \\ \oplus \hookleftarrow \supset \neq \rightarrow \\ \otimes \hookleftarrow \oplus \notin \boxtimes \end{matrix} \right\} \Rightarrow$ II. $\left\{ \begin{matrix} 10345 \\ 53074 \\ 34508 \\ 41283 \\ 01459 \end{matrix} \right.$
- $\oplus \hookleftarrow \supset \neq \rightarrow = ?$
- A) 10345 B) 53074 C) 34508
D) 41283 E) 01459

Cevap Anahtarı – Answer Sheet

1.A	2.C	3.C	4.C	5.D	6.C
7.E	8.B	9.B	10.D		



1. I. II.
- | | | |
|----------------------------------|---------------|---|
| $\odot \oslash \otimes \oplus$ | $\Rightarrow$ | $\left\{ \begin{array}{l} 1\ 2\ 5\ 3 \\ 5\ 3\ 1\ 4 \\ 2\ 1\ 3\ 5 \\ 3\ 5\ 7\ 2 \\ 4\ 6\ 2\ 7 \end{array} \right.$ |
| $\otimes \oplus \odot \boxtimes$ | | |
| $\oslash \odot \oplus \otimes$ | | |
| $\oplus \otimes \oplus \oslash$ | | |
| $\boxtimes \odot \oslash \oplus$ | | |
- $\oslash \odot \oplus \otimes = ?$

- A) 1253 B) 5314 C) 2135
D) 3572 E) 4627

2. I. II.
- | | | |
|-------|---------------|--|
| ARKTÇ | $\Rightarrow$ | $\left\{ \begin{array}{l} 5\ 3\ 2\ 0\ 1 \\ 3\ 5\ 0\ 1\ 4 \\ 1\ 0\ 6\ 4\ 3 \\ 4\ 1\ 3\ 2\ 0 \\ 0\ 4\ 1\ 3\ 2 \end{array} \right.$ |
| KÇTAL | | |
| RALKT | | |
| TKNÇA | | |
| ÇTALK | | |
- ÇTALK = ?

- A) 53201 B) 35014 C) 10643
D) 41320 E) 04132

3. I. II.
- | | | |
|---------------------|---------------|---------------------|
| TKLMNPROS | $\rightarrow$ | SPORTKMLXTNO |
| ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ | | ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ |
| 031526479 | | ?????????????? |
- A) 967403517027 B) 967403516027
C) 967403518027 D) 967403511027
E) 967403515027

4. I. II.
- | | | |
|-------------|---------------|---------------------|
| DBECFA | $\rightarrow$ | FACIADEYC |
| ↓ ↓ ↓ ↓ ↓ ↓ | | ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ |
| 510738 | | ?????????? |
- A) 387685017 B) 387485037
C) 387485047 D) 387685027
E) 387885027

5. I. II.
- | | | |
|---------------------|---------------|---------------------|
| 1537986542 | $\rightarrow$ | 215746890103 |
| ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ | | ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ |
| AZKRSTYZXQ | | ?????????????? |
- A) QAZRXYTSPATK
B) QAZRXYTSXAYK
C) QAZRXTSPAPK
D) QAZRXYTSQAQK
E) QAZRXYTSZTZK

6. I. II.
- | | | |
|-------------|---------------|---------------------|
| 517386 | $\rightarrow$ | 67543726 |
| ↓ ↓ ↓ ↓ ↓ ↓ | | ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ |
| T S P O F E | | ?????????? |
- A) EPTEOPSE B) EPTSOPL
C) EPTAOPTE D) EPTSOPAE
E) EPTAOPBE



7. I. II.
1 0 3 9 7 0 3 → 1 0 9 3 7 2 9 4 7
↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
W Z Y P T K X ? ? ? ? ? ? ? ? ? ?
- A) WZPYTLPQT B) WZPYTKZPQ
C) WZPYTWPQT D) WZPYTLPKT
E) WZPYTLPQP

8. I. II.
KEMAL }
SERAP } ⇒ { 5 3 7 2 6
TEMEL } { 9 3 4 3 0
SELAM } { 5 3 0 2 4
KENAN } { 1 3 8 2 8
 { 1 3 4 2 0
- SELAM = ?
- A) 53726 B) 93430 C) 53024
D) 13828 E) 13420

9. I. II.
PATEN }
İKAME } ⇒ { 0 6 9 3 2
KİRLİ } { 1 8 6 7 3
MERAL } { 7 3 5 6 4
İRMİK } { 1 5 7 1 8
 { 8 1 5 4 1
- İRMİK = ?
- A) 06932 B) 18673 C) 73564
D) 15718 E) 81541

10. I. II.
ÇİLEK }
YELEK } ⇒ { 0 1 4 3 2
YALAN } { 5 6 4 6 2
YALAK } { 5 6 4 6 7
NALAN } { 5 3 4 3 2
 { 7 6 4 6 7
- YALAN = ?

- A) 01432 B) 56462 C) 56467
D) 53432 E) 76467

11. I. II.
BAKIR }
ÇAKIL } ⇒ { 3 2 9 2 3
KALAY } { 8 2 7 2 3
KAZAK } { 3 2 7 2 8
YALAK } { 6 2 3 4 7
 { 1 2 3 4 5
- BAKIR = ?

- A) 32923 B) 82723 C) 32728
D) 62347 E) 12345

12. I. II.
KMSLE }
ETKSL } ⇒ { 3 9 2 1 0
TSLEK } { 4 1 7 2 3
LKNMS } { 0 3 4 5 1
SHMKT } { 1 2 3 4 5
 { 5 0 1 3 4
- ETKSL = ?

- A) 39210 B) 41723 C) 03451
D) 12345 E) 50134

Cevap Anahtarı – Answer Sheet

1.C	2.D	3.C	4.D	5.D	6.E
7.A	8.C	9.D	10.C	11.E	12.E

2. BÖLÜM

SAYI DİZİLERİ







5	4	3	7
10	12	12	35
0	2	2	25
0	4	4	625

Z	5	4	6
4	15	16	M
-6	5	X	20
Y	25	36	400

1 – 4. soruları tabloya göre cevaplayınız.

1 – 4. Answer the questions according to the table.

1. X = ?

A) 6 B) 8 C) 9 D) 10 E) 12

2. Y = ?

A) 12 B) 24 C) 32 D) 36 E) 38

3. Z = ?

A) 1 B) 2 C) 3 D) 4 E) 8

4. M = ?

A) 36 B) 32 C) 30 D) 28 E) 24

5.	4	2	6	0
	27	3	29	1
	10	5	13	2
	30	5	31	?

A) 3 B) 4 C) 5 D) 6 E) 7

6.	26	6
	29	9
	44	8
	49	?

A) 12 B) 14 C) 15 D) 16 E) 18

7.	7	5	11
	4	?	2
	6	10	4

A) 2 B) 4 C) 5 D) 12 E) 22

8.	5	26	28
	8	41	46
	11	56	?

A) 52 B) 58 C) 60 D) 64 E) 66

9.	44	25	68	?	29
	52	71	28	92	?

A) 16, 42 B) 36, 43 C) 4, 67
D) 79, 12 E) 42, 49



SAYI DİZİLERİ

TEST – 1

10. 2 3 6 3
3 4 8 5
5 6 12 9
4 5 ? ?

A) 15 – 12 B) 10 – 7 C) 8 – 5
D) 10 – 8 E) 10 – 13

11. I. 1 2 7 4 6
II. 7 2 1 6 4
III. A D Y Z K
IV. ?

A) DYAKZ Z B) YDAKZ C) YDKA
D) YDAKZ E) YZDAK

12. 4 3 2 5
5 2 1 6
3 6 5 4
2 5 6 ?

A) 5 B) 4 C) 3 D) 2 E) 1

13. 63 (75) 87
211 (?) 235

A) 58 B) 223 C) 232 D) 298 E) 446

14. 154 (102) 103
79 (?) 53

A) 19 B) 50 C) 52 D) 75 E) 101

15. 17 (9) 64
12 (?) 25

A) 4 B) 5 C) 6 D) 7 E) 8

16. 52 (13) 26
84 (?) 42

A) 16 B) 18 C) 21 D) 25 E) 42

17. 16 (110) 21
12 (?) 24

A) 24 B) 28 C) 45 D) 48 E) 107

Cevap Anahtarı – Answer Sheet

1.A	2.D	3.B	4.C	5.B	6.E
7.A	8.D	9.C	10.B	11.D	12.E
13.B	14.C	15.B	16.C	17.E	



SAYI DİZİLERİ

TEST – 2

1. 112 (111) 221
183 (?) 114

A) 38 B) 72 C) 99 D) 107 E) 109

2. 6 (225) 9
9 (?) 4

A) 142 B) 154 C) 169 D) 182 E) 196

3. 312 (54) 243
112 (?) 163

A) 32 B) 38 C) 40 D) 48 E) 56

4. 72 (7) 8
40 (?) 5

A) 4 B) 5 C) 6 D) 7 E) 8

5. 6 (135) 33
4 (?) 22

A) 48 B) 56 C) 74 D) 88 E) 90

6. 220 (18) 140
112 (?) 28

A) 7 B) 8 C) 9 D) 10 E) 11

7. 6 (16) 8
9 (?) 7

A) 15 B) 18 C) 21 D) 24 E) 27

8. 263 (36) 334
354 (?) 562

A) 57 B) 60 C) 63 D) 90 E) 112



SAYI DİZİLERİ

TEST – 2

9. I. 4 2 16
II. 9 3 81
III. ?
A) 25 5 625 B) 16 4 64 C) 8 4 32
D) 5 3 25 E) 5 12 27

10. I. 5 10 30 120
II. 5 15 60 300
III. 5 20 100 600
IV. 5 25 ? ?
A) 125,750 B) 175,1400 C) 125,1250
D) 150,900 E) 150,1050

11. I. 3 6 18 15
II. 3 8 40 35
III. 3 10 70 63
IV. 3 ? ? ?
A) 11, 99, 90 B) 12, 96, 88 C) 11, 77, 70
D) 12, 108, 99 E) 12, 120, 110

12. 17 (24) 41
11 (?) 26
A) 6 B) 13 C) 15 D) 18 E) 37

13. 15 (54) 12
11 (?) 14
A) 23 B) 25 C) 26 D) 29 E) 50

14. 121 (22) 11
147 (?) 7
A) 4 B) 21 C) 42 D) 136 E) 140

15. 328 (30) 476
532 (?) 794
A) 53 B) 35 C) 30 D) 15 E) 11

16. 50 (96) 2
33 (?) 6
A) 10 B) 17 C) 54 D) 60 E) 93

17. 111 (16) 143
137 (?) 189
A) 26 B) 32 C) 46 D) 78 E) 96

Cevap Anahtarı – Answer Sheet

1.C	2.C	3.C	4.C	5.E	6.A
7.C	8.B	9.A	10.E	11.D	12.C
13.E	14.C	15.C	16.C	17.A	



SAYI DİZİLERİ

TEST – 3

1. 228 (140) 193
116 (?) 91
A) 98 B) 100 C) 102 D) 137 E) 177

2. 42 (154) 35
28 (?) 13
A) 82 B) 78 C) 22 D) 15 E) 14

3. 51 (25) 46
39 (?) 33
A) 5 B) 6 C) 36 D) 79 E) 90

4. 351 (55) 241
296 (?) 208
A) 33 B) 37 C) 44 D) 55 E) 143

5. 128 (390) 261
173 (?) 246
A) 301 B) 420 C) 434 D) 474 E) 507

6. 47 (48) 90
27 (?) 72
A) 162 B) 100 C) 99 D) 74 E) 50

7. 5 6 9 16 21 34 ?
4 6 10 14 24 30 ?
A) 41 – 46 B) 40 – 47 C) 42 – 45
D) 41 – 48 E) 40 – 46

8. 5 9 11 25 35 49 ?
4 7 16 19 36 67 ?
A) 121 – 65 B) 131 – 64 C) 121 – 64
D) 131 – 65 E) 121 – 66



SAYI DİZİLERİ

TEST – 3

9. 1 12 25 52 81 124 ?
4 9 28 49 84 121 ?

A) 144 – 172 B) 169 – 156 C) 156 – 172
D) 144 – 156 E) 169 – 172

10. 21 23 27 33 41 51 ?
12 24 18 36 24 48 ?

A) 61, 32 B) 63, 32 C) 61, 24
D) 63, 30 E) 63, 35

11. 27 31 29 36 39 43 54
45 41 43 36 33 29 ?

A) 18 B) 21 C) 24 D) 31 E) 34

12. 3 (11) 4
5 (44) 9
3 (?) 2

A) 23 B) 19 C) 13
D) 5 E) 4

13. 4 (10) 16
5 (15) 25
7 ? ?

A) 28, 49 B) 25, 49 C) 28, 47
D) 36, 28 E) 8, 10

14. 36 (88) 28
24 (?) 18

A) 26 B) 44 C) 55 D) 66 E) 72

15. 6 (14) 36
15 (35) 225
12 ? ?

A) 55, 142 B) 28, 144 C) 62, 146
D) 52, 144 E) 54, 144

16. 5 4 4 36 8 20
5 9 16 4 8 ?

A) 2 B) 3 C) 4 D) 5 E) 6

Cevap Anahtarı – Answer Sheet

1.B	2.A	3.C	4.C	5.B	6.E
7.A	8.B	9.E	10.D	11.A	12.D
13.A	14.D	15.B	16.D		



1.

8	6	7	15
16	14	?	

A) 23 B) 34 C) 35 D) 36 E) 37

2.

15	(20)	8
5	(?)	12

A) 8 B) 9 C) 10 D) 11 E) 12

3.

2	6	3
5	8	10
6	?	12

A) 4 B) 6 C) 7 D) 8 E) 9

4.

0	1	3	6	?
-3	-3	4	30	?

A) $\frac{5}{16}$ B) $\frac{2}{1}$ C) $\frac{8}{27}$
D) $\frac{7}{40}$ E) $\frac{4}{9}$

5.

17	80	14	31
16	16	?	8

A) 6 B) 7 C) 8 D) 10 E) 18

6.

6	8	4	12
5	12	10	6
8	9	?	18

A) 3 B) 4 C) 5 D) 6 E) 7

7.

5	7	4
2	?	8
4	1	11

A) 2 B) 4 C) 5 D) 6 E) 8

8.

8	9	6
24	6	12
8	15	?

A) 8 B) 10 C) 12 D) 14 E) 15



SAYI DİZİLERİ

TEST – 4

9. ? 6
11 1
220 20
A) 5 B) 7 C) 64 D) 65 E) 66

10. 224 (190) 346
176 (?) 202
A) 112 B) 124 C) 126 D) 132 E) 224

11. 27 (81) 18
34 (?) 22
A) 24 B) 36 C) 120 D) 144 E) 164

12. 14 (28) 8
24 (?) 16
A) 24 B) 38 C) 86 D) 94 E) 96

13. 174 (19) 322
246 (?) 823
A) 85 B) 72 C) 36 D) 25 E) 18

14. 6 7 21
8 3 12
? 5 20
A) 4 B) 5 C) 6 D) 7 E) 8

15. 3 8 6
6 6 9
7 4 ?
A) 4 B) 6 C) 7 D) 8 E) 9

16. 5 8 9 6
7 ? 14 5
2 3 7 16
A) 1 B) 2 C) 3 D) 4 E) 5

Cevap Anahtarı – Answer Sheet

1.C	2.C	3.D	4.E	5.D	6.B
7.D	8.B	9.E	10.C	11.D	12.E
13.D	14.E	15.C	16.B		



1. 2 5 4
6 2 3
4 1 ?
A) 3 B) 4 C) 6 D) 7 E) 8

2. 4 8 4
3 9 6
2 8 ?
A) 2 B) 4 C) 6 D) 7 E) 9

3. 4 5 3
18 22 14
10 ? 8
A) 5 B) 10 C) 11 D) 12 E) 16

4. 24 12 17 32 22
66 34 39 94 ?
A) 54 B) 55 C) 56 D) 61 E) 64

5. 1 0
2 6
3 24
5 ?
A) 66 B) 49 C) 121 D) 82 E) 94

6. 2 5 4 14
4 1 3 7
5 6 2 ?
A) 18 B) 24 C) 32 D) 40 E) 46

7. I. 0 26 124 342
II. 7 ? 215 511
A) 43 B) 52 C) 63 D) 76 E) 104

8. I. 5 11 35 143
II. 2 5 13 ?
A) 18 B) 25 C) 27 D) 38 E) 42



9. $6421 \rightarrow 10,3$

$3433 \rightarrow 7,6$

$1001 \rightarrow ?$

A) 10,1 B) 1,01 C) 1 D) 1,1 E) 11

10. $421 \rightarrow 6$

$642 \rightarrow 16$

$362 \rightarrow 6$

$543 \rightarrow ?$

A) 6 B) 7 C) 8 D) 9 E) 10

11. $\Delta 237 \rightarrow 3$

$\Delta 321 \rightarrow 2$

$\Delta 639 \rightarrow 5$

$\Delta 215 \rightarrow ?$

A) 4 B) 5 C) 6 D) 7 E) 8

12. $\begin{matrix} 243 & 131 & 243 & 321 \\ 289 & 163 & 289 & ? \end{matrix}$

A) 341 B) 343 C) 363 D) 643 E) 943

13. $\begin{matrix} 10 & (6) & 3 \\ 25 & (10) & 2 \\ 4 & (?) & 10 \end{matrix}$

A) 5 B) 6 C) 7 D) 8 E) 9

14. $\begin{matrix} 3 & 2 & 4 & 1 \\ 4 & 3 & 5 & 2 \\ 6 & 2 & 5 & 3 \\ 3 & 6 & ? & ? \end{matrix}$

A) 1 – 4 B) 2 – 6 C) 3 – 5
D) 5 – 2 E) 2 – 7

15. $\begin{matrix} 2 & 3 & 6 & 18 \\ 1 & 2 & 2 & 4 \\ 3 & 2 & 6 & 12 \\ 4 & 2 & ? & ? \end{matrix}$

A) 8 – 16 B) 8 – 32 C) 6 – 10
D) 4 – 16 E) 16 – 4

16. $\begin{matrix} 12 & 8 & 4 & 4 & 0 & -4 & ? \end{matrix}$

A) 6 B) 4 C) 2 D) 1 E) -4

Cevap Anahtarı – Answer Sheet

1.C	2.C	3.D	4.E	5.C	6.C
7.C	8.B	9.D	10.C	11.D	12.B
13.D	14.E	15.A	16.B		



1. 12 24 35 ?
31 63 94 ?

- A) 23 – 61 B) 14 – 43 C) 18 – 49
D) 21 – 60 E) 27 – 67

5. 134 245 324
471 691 ?

- A) 562 B) 682 C) 684 D) 842 E) 883

2. 7 2 1 4 → 9,5
6 2 1 7 → 8,8
1 4 2 3 → ?

- A) 4,5 B) 5,5 C) 6,5 D) 5,6 E) 5,7

6. 16 13 23 14 11
8 6 8 9 ?

- A) 6 B) 7 C) 8 D) 9 E) 10

3. 1 7 6 3 → 8,9
6 2 2 3 → 8,5
2 0 0 4 → ?

- A) 2,1 B) 0,4 C) 20,4 D) 2,4 E) 2,6

7. 14 25 32 27
32 63 64 ?

- A) 83 B) 49 C) 38 D) 37 E) 29

4. $x = 5 \rightarrow y = 17$
 $x = 3 \rightarrow y = 11$
 $x = 2 \rightarrow y = ?$

- A) 7 B) 8 C) 9 D) 10 E) 12

8. 224 446 407
113 335 ?

- A) 296 B) 357 C) 237 D) 236 E) 358



9. 243 → 6,7
326 → 5,8
105 → ?

A) 4,7 B) 10,5 C) 1,05 D) 1,5 E) 6,5

10. $\otimes 623 \rightarrow 5$
 $\ominus 436 \rightarrow 5$
 $(\otimes 783) - (\ominus 463) = ?$
A) 6 B) 7 C) 8 D) 9 E) 10

11. 2 4 8 32
6 3 18 54
1 4 4 16
5 ? ? ?

A) 3 – 15 – 45 B) 2 – 10 – 25 C) 1 – 5 – 15
D) 4 – 10 – 40 E) 3 – 15 – 225

12. Aşağıda verilen dizinin aynısı hangisidir?



- A) 16 4 8 8 12
B) 16 4 4 8 12
C) 16 8 32 4 15
D) 16 2 8 12 32
E) 16 32 $\frac{1}{32}$ $\frac{1}{4}$ 3

13. 123 117 108 99 81 ?
A) 72 B) 68 C) 61 D) 59 E) 58

14. 4 13 43 175 877 ?
A) 1755 B) 2864 C) 3987
D) 4386 E) 5263

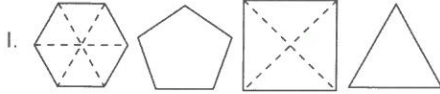
Cevap Anahtarı – Answer Sheet

1.D	2.B	3.D	4.B	5.A	6.B
7.B	8.A	9.D	10.B	11.A	12.A
13.A	14.E				

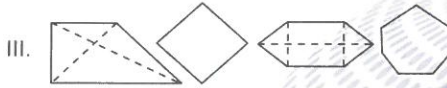


1. Aşağıdaki soruda I ve II nolu diziler arasındaki bağıntı III nolu dizi ile seçeneklerden hangisi arasında bulunmaktadır?

The first two number sequences are related to each other in a special way. Which one of the number sequences below relates to III. as II. relates to I ?



II. 36 $\sqrt{5}$ 16 $\sqrt{3}$



IV. ?

- A) 16, $\sqrt{3}$, $\sqrt{6}$, $\sqrt{7}$
B) 4, $(16)^2$, 36, 49
C) 16, 2, 36, $\sqrt{7}$
D) 2, $\sqrt{4}$, 3, 49
E) $\sqrt{2}$, 16, 36, $\sqrt{7}$

2. 4 5
9 9
8 18
6 26
12 ?

- A) 28 B) 29 C) 30 D) 31 E) 32

3. 0 6 24 60 ?

- A) 82 B) 90 C) 105 D) 120 E) 125

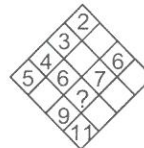
4.	I	II	III	IV	V	VI
	5	6	7	6	8	?
	3	3	5	4	9	?
	4	9	8	14	19	?

- A) 7 B) 11 C) 6 D) 4 E) 9
0 2 3 5 8
7 14 20 21 6

5. 720 120 24 ? 2 1

- A) 4 B) 5 C) 6 D) 8 E) 12

- 6.



- A) 6 B) 7 C) 8 D) 9 E) 10



7. 1 2 9 12 15 60 64

Yukarıdaki sıralamayı bozan sayının yerine aşağıdakilerden hangisi gelmelidir?

A) 3 B) 4 C) 5 D) 6 E) 8

8. ? 54 32 18 16 6 8 2

A) 70 B) 68 C) 66 D) 64 E) 62

9. I. 2 4 8 10 20 22 44
II. 5 3 6 4 8 6 12
III. 4 8 6 12 10 20 18
IV. ?

A) 3 4 5 7 6 9 10
B) 1 2 4 8 16 32 64
C) 20 18 16 14 12 10 8
D) 1 2 4 8 10 20 22
E) 30 26 22 18 14 10 6

10. I. 3 4 7 12 19 28 39
II. 5 7 11 17 25 35 47
III. 32 31 28 23 16 7 -4
IV. ?

A) 42 40 38 36 34 32 30
B) 30 28 26 24 22 18 16
C) 27 26 24 21 17 12 9
D) 36 28 22 18 16 10 2
E) 54 52 48 42 34 24 12

11. I. 24 25 20 22 18 21 18 22
II. 25 20 21 17 19 16 19 17
III. 14 16 8 12 6 12 8 16
IV. ?

A) 46 23 25 28 32 37 43 50
B) 32 34 30 32 28 30 26 28
C) 21 20 25 23 27 24 27 23
D) 44 36 38 32 36 32 38 36
E) 60 30 32 16 20 10 16 8

12. I. 35 32 29 26 23 20
II. 13 16 19 22 25 28
III. 68 61 54 47 40 33
IV. ?

A) 68 65 62 59 56 53
B) 72 65 58 51 44 37
C) 18 21 24 27 30 33
D) 18 25 32 39 46 53
E) 26 19 22 15 18 11

Cevap Anahtarı – Answer Sheet

1.C	2.E	3.D	4.D	5.C	6.C
7.B	8.D	9.D	10.E	11.D	12.D



1. I. 3 9 10 30 31 93
II. 3 9 8 24 23 69
III. 3 9 12 36 39 117
IV. ?
- A) 3 9 27 24 21 63
B) 3 6 9 12 15 18
C) 3 9 6 18 15 45
D) 3 6 18 21 63 66
E) 3 6 9 27 81 84

2. I. 171 57 54 18 15 5 2
II. 12 6 8 4 6 3 5
III. 3 12 16 64 68 272 276
IV. ?
- A) 3 12 8 32 28 112 108
B) 3 7 11 15 19 23 27
C) 3 9 6 18 15 45 42
D) 3 9 12 36 39 117 120
E) 3 12 6 24 12 48 24

3. I. 5 3 9 7 21 19
II. 5 15 13 39 37 111
III. 5 10 17 34 41 82
IV. ?
- A) 5 7 9 63 441 443
B) 5 12 24 31 62 69
C) 5 7 49 51 357 359
D) 5 10 20 27 34 68
E) 5 35 37 259 261 268

4. I. 2 3 9 10 30 31
II. 2 6 7 21 22 66
III. 2 10 12 60 62 310
IV. ?
- A) 2 4 20 22 110 112
B) 2 10 50 52 54 270
C) 2 7 12 24 48 96
D) 2 4 6 30 150 152
E) 2 7 14 19 38 43

5. I. 30 35 33 38 36 41
II. 30 25 27 22 24 19
III. 30 37 34 41 38 45
IV. ?
- A) 30 23 16 19 21 24
B) 30 33 26 29 22 25
C) 30 23 26 19 22 15
D) 30 27 34 31 38 35
E) 30 33 36 29 32 25

6. I. 3 12 10 40 38 152
II. 4 12 9 27 24 72
III. 144 48 54 18 24 8
IV. ?
- A) 72 18 24 6 12 3
B) 129 43 48 16 21 7
C) 15 22 11 18 9 16
D) 6 3 10 5 12 6
E) 6 13 20 10 5 12



7. I. 3 1 4 2 5 3
II. 4 1 5 2 6 3
III. 2 4 8 16 20 40
IV. ?
- A) 3 8 24 29 87 92
B) 3 6 10 20 24 48
C) 3 9 14 42 47 141
D) 3 0 4 1 5 2
E) 3 12 14 56 58 232

8. I. 2 8 7 12 10 14
II. 14 8 9 4 6 2
III. 2 10 8 14 10 14
IV. ?
- A) 14 20 19 24 22 26
B) 14 6 8 2 6 2
C) 14 15 9 11 6 9
D) 14 22 20 26 22 26
E) 14 12 20 16 22 16

9. I. 16 32 8 16 4 8
II. 8 6 10 8 12 10
III. 10 40 20 80 40 160
IV. ?
- A) 20 16 18 14 16 12
B) 20 80 40 80 320 160
C) 20 18 22 20 24 22
D) 20 16 32 28 56 52
E) 20 24 12 16 8 12

10. I. 2 3 5 8 12 17
II. 40 39 37 34 30 25
III. 3 5 9 15 23 33
IV. ?
- A) 60 58 54 48 40 30
B) 60 58 56 54 52 50
C) 60 59 58 57 56 55
D) 60 59 57 54 50 45
E) 60 57 51 42 30 16

11. I. 2 6 9 27 30 90
II. 2 8 12 48 52 208
III. 4 8 6 12 10 20
IV. ?
- A) 4 1 3 0 0 -3
B) 4 12 9 27 24 72
C) 4 2 4 2 4 2
D) 4 12 15 45 48 144
E) 4 16 20 80 76 304

12. I. 21 24 23 26 25 28
II. 12 13 10 11 8 9
III. 17 23 21 27 25 31
IV. ?
- A) 14 18 20 24 26 30
B) 67 72 73 78 77 82
C) 32 34 28 30 24 26
D) 31 35 39 43 47 51
E) 12 16 20 24 28 32

Cevap Anahtarı – Answer Sheet

1.C	2.C	3.B	4.A	5.C	6.D
7.C	8.B	9.A	10.A	11.B	12.C



1. I. 8 6 11 9 14 12
II. 5 7 2 4 -1 1
III. 19 18 22 21 25 24
IV. ?
- A) 7 13 12 18 17 23
B) 31 32 30 31 29 30
C) 71 77 72 79 78 70
D) 61 62 58 59 55 56
E) 7 8 5 6 3 4

2. I. 28 29 32 33 36 37
II. 12 15 16 19 20 23
III. 7 12 18 23 29 34
IV. ?
- A) 27 31 32 36 38 43
B) 4 7 10 13 16 19
C) 42 45 46 49 52 53
D) 3 9 14 20 25 31
E) 61 66 71 76 81 86

3. I. 2 6 5 15 14 42
II. 4 3 9 8 24 23
III. 1 0 0 -1 -3 -4
IV. ?
- A) 7 9 8 10 9 11
B) 3 21 20 14 139 56
C) 12 14 9 11 16 18
D) 7 21 20 60 59 177
E) 61 59 177 176 528 526

4. I. 6 2 3 1 2 2/3
II. 5 6 2 3 1 2
III. 14 16 8 10 5 7
IV. ?
- A) 5 6 4 5 3 4
B) 3 7 7/3 11/3 3 11/2
C) 2 4 3 6 5 10
D) 1 7 3 1/2 10 5 11
E) 8 4 6 3 5 2 1/2

5. I. 2 10 9 45 44 220
II. 20 4 5 1 2 2/5
III. 3 9 8 24 23 69
IV. ?
- A) 123 41 42 14 15 5
B) 29 29/3 31/3 36 12 13
C) 18 6 12 6 5 4
D) 9 3 2 2/3 5/5 7/3
E) 4 7 11 26 10 8

6. I. 7 9 4 6 1 3
II. 20 25 23 28 26 31
III. 17 25 22 30 27 35
IV. ?
- A) 8 11 19 26 30 34
B) 4 7 -1 2 -6 -3
C) 8 11 14 17 20 23
D) 22 25 24 27 25 22
E) 6 13 11 18 13 21



SAYI DİZİLERİ

TEST – 9

7. I. 4 12 6 18 9 27
II. 40 20 60 30 90 45
III. 10 15 13 18 16 21
IV. ?
- A) 3 8 13 18 23 28
B) 10 12 17 19 24 26
C) 13 11 16 14 19 17
D) 13 11 6 1 -4 -9
E) 7 9 4 6 1 3

8. I. 5 20 10 40 20 80
II. 40 80 20 40 10 20
III. 3 18 9 54 27 162
IV. ?
- A) 270 540 90 180 30 60
B) 1 7 8 5 15 20
C) 4 16 20 80 76 304
D) 2 6 3 9 6 18
E) 5 15 9 27 21 63

9. I. 5 8 9 12 13 16 17
II. 3 4 6 7 9 10 12
III. 2 7 10 15 18 23 26
IV. ?
- A) 9 10 16 24 29 35 42
B) 2 5 9 12 16 19 24
C) 4 7 11 14 18 21 25
D) 3 15 8 12 7 9 6
E) 4 9 12 17 20 25 28

10. I. 44 11 33 11 22 11 11
II. 32 96 24 48 16 16 8
III. 5 20 23 92 95 380 383
IV. ?
- A) 2 8 12 48 52 208 212
B) 5 15 20 30 35 45 90
C) 20 23 5 92 380 140 70
D) 3 6 24 27 108 111 444
E) 4 3 12 36 432 36 108

11. I. 48 46 44 42 40 38
II. 8 9 10 11 12 13
III. 12 14 18 24 32 42
IV. ?
- A) 30 26 20 16 10 6
B) 6 5 4 3 2 1
C) 24 25 27 30 34 39
D) 12 11 8 5 1 -4
E) 26 25 23 20 16 11

12. I. 8 17 36 75 154 313
II. 3 5 8 13 22 39
III. 10 12 18 32 62 124
IV. ?

- A) 12 17 14 20 17 24
B) 8 5 10 7 12 9
C) 2 12 30 64 130 260
D) 5 8 3 6 1 4
E) 3 8 20 46 100 210

Cevap Anahtarı – Answer Sheet

1.D	2.D	3.D	4.E	5.A	6.B
7.C	8.A	9.C	10.D	11.E	12.C



1. I. 32 16 48 24 72 36
II. 8 24 12 36 18 54
III. 4 8 15 30 37 74
IV. ?
- A) 12 19 38 45 90 97
B) 3 6 13 26 33 66
C) 10 17 34 41 82 88
D) 1 8 16 23 66 73
E) 4 8 16 32 64 128

4. I. 3 17 15 13 27 9 ?
II. 19 9 15 21 11 33 ?
- A) $39 - 8$ B) $33 - 8$ C) $30 - 27$
D) $39 - 7$ E) $40 - 9$

2. I. 8 4 12 6 18 9
II. 45 90 30 60 20 40
III. 3 7 14 18 36 40
IV. ?
- A) 3 5 10 12 24 26
B) 1 4 6 24 26 104
C) 7 9 27 29 58 60
D) 3 9 12 36 39 117
E) 1 6 26 104 208 270

5. I. 10 19 18 26 24 31
II. 42 33 34 26 28 21
III. 16 26 24 32 28 34
IV. ?
- A) 18 30 28 38 34 42
B) 6 5 9 8 13 12
C) 42 32 34 26 30 24
D) 16 18 14 16 12 14
E) 12 22 18 26 22 28

3. I. 7 12 17 22 27 32
II. 38 33 28 23 18 13
III. 6 7 9 12 16 21
IV. ?
- A) 40 41 43 46 50 55
B) 35 30 25 20 15 10
C) 21 20 18 15 11 6
D) 18 20 24 30 38 48
E) 1 6 7 12 13 18

6. I. 2 3 6 7 14 15
II. 1 2 3 6 7 14
III. 1 2 8 9 36 37
IV. ?
- A) 3 2 8 7 28 27
B) 2 4 6 12 14 28
C) 1 4 5 20 21 84
D) 3 6 7 14 15 30
E) 8 4 16 8 20 10

**7.**

- I. 66 33 34 17 18 9
II. 86 43 42 21 20 10
III. 12 6 16 8 18 9
IV. ?

- A) 4 2 8 4 10 5
B) 84 42 32 16 6 3
C) 2 5 8 11 14 17
D) 100 50 52 26 28 14
E) 66 33 30 15 12 6

8.

- I. 3 6 7 14 15 30
II. 5 10 9 18 17 34
III. 2 4 6 12 14 28
IV. ?

- A) 11 22 20 40 38 76
B) 5 10 12 24 26 52
C) 40 38 34 28 20 10
D) 2 4 8 16 32 64
E) 5 15 13 39 37 111

9.

- I. 9 18 19 38 39 78
II. 3 6 5 10 9 18
III. 4 8 7 14 13 26
IV. ?

- A) 2 4 6 12 14 28
B) 1 2 5 10 13 26
C) 1 3 4 12 13 39
D) 3 6 7 14 15 30
E) 4 8 10 20 22 44

10.

Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur. Ancak dizilerden bir sayı bu kuralı bozmaktadır. **Bu sayı hangi dizide yer almaktadır?**

- A) 3 15 20 100 105
B) 2 10 15 75 80
C) 1 5 10 40 55
D) 4 20 25 125 130
E) 5 25 30 150 155

11.

Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur. Ancak dizilerden bir sayı bu kuralı bozmaktadır. **Bu sayı hangi dizide yer almaktadır?**

- A) 1 4 10 40 46 184
B) 2 8 14 56 62 248
C) 4 16 20 88 94 376
D) 3 12 18 72 78 312
E) 5 20 26 104 110 440

Cevap Anahtarı – Answer Sheet

1.A	2.B	3.C	4.D	5.C	6.C
7.B	8.A	9.D	10.C	11.C	

**1.**

Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur.
Ancak dizilerden bir sayı bu kuralı bozmaktadır.
Bu sayı hangi dizide yer almaktadır?

- A) 46 45 50 49 54
B) 4 16 38 60 102
C) 2 4^3 6^5 8^7 10^9
D) 8 16 24 32 40
E) 2^2 3^3 4^4 5^5 6^6

4.

Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur.
Ancak dizilerden bir sayı bu kuralı bozmaktadır.
Bu sayı hangi dizide yer almaktadır?

- A) 60 70 50 60 40
B) 40 50 30 40 10
C) 100 110 90 100 80
D) 25 35 15 25 5
E) 20 30 10 20 0

2.

Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur.
Ancak dizilerden bir sayı bu kuralı bozmaktadır.
Bu sayı hangi dizide yer almaktadır?

- A) 4 16 8 64 38
B) 17 34 39 78 83
C) 31 39 37 45 43
D) 14 11 22 19 38
E) 8 15 22 29 36

5.

Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur.
Ancak dizilerden bir sayı bu kuralı bozmaktadır.
Bu sayı hangi dizide yer almaktadır?

- A) 66 64 32 30 15
B) 7 10 30 33 99
C) 3 4 12 13 31
D) 26 30 22 26 18
E) 15 20 40 45 90

3.

Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur.
Ancak dizilerden bir sayı bu kuralı bozmaktadır.
Bu sayı hangi dizide yer almaktadır?

- A) 3 9 4 16 14
B) 7 49 44 1936 1931
C) 2 4 -1 1 -4
D) 4 16 11 121 116
E) 5 25 20 400 395

6.

Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur.
Ancak dizilerden bir sayı bu kuralı bozmaktadır.
Bu sayı hangi dizide yer almaktadır?

- A) 12 14 10 12 8
B) 27 32 28 33 29
C) 31 25 20 14 9
D) 2 3 1 2 6
E) 1 4 9 16 25

**7.**

I.	12	20	24	32	36
II.	4	8	16	20	28
III.	6	12	15	21	24
IV.	?				

A)	5	10	15	20	30
B)	14	21	28	49	56
C)	20	30	40	50	60
D)	3	6	12	15	21
E)	5	6	7	8	9

8.

I.	279	93	90	30	27	9
II.	848	212	208	52	48	12
III.	4	12	15	45	48	144
IV.	?					

A)	6	12	14	28	30	60
B)	2	10	15	75	80	400
C)	36	18	20	10	12	6
D)	5	20	10	40	20	80
E)	3	12	16	64	68	272

9.

I.	21	23	27	33	41	51
II.	3840	1920	480	80	10	1
III.	20	21	23	26	30	35
IV.	?					

A)	120	120	60	20	5	1
B)	112	110	108	106	104	102
C)	4	5	7	10	14	19
D)	18	16	17	15	16	14
E)	10	5	20	10	25	12,5

10.

I.	2	7	22	67	202
II.	1	2	5	14	41
III.	4	9	19	39	79
IV.	?				

A)	70	38	22	14	10
B)	2	3	5	9	17
C)	6	8	12	20	36
D)	2	10	22	46	94
E)	18	16	14	12	10

11.

Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur. Ancak dizilerden bir sayı bu kuralı bozmaktadır. Bu sayı hangi dizide yer almaktadır?

A)	2	4	7	14	17	34
B)	1	2	5	10	13	26
C)	4	8	10	22	25	50
D)	5	10	13	26	29	58
E)	3	6	9	18	21	42

12.

Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur. Ancak dizilerden bir sayı bu kuralı bozmaktadır. Bu sayı hangi dizide yer almaktadır?

A)	13	15	17	19	21
B)	5	26	47	68	89
C)	71	69	73	71	75
D)	36	40	20	18	9
E)	1	2	6	24	120

Cevap Anahtarı – Answer Sheet

1.B	2.A	3.A	4.B	5.C	6.D
7.D	8.E	9.A	10.B	11.C	12.B

**1.**

Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur. Ancak dizilerden bir sayı bu kuralı bozmaktadır. **Bu sayı hangi dizide yer almaktadır?**

- A) 1 2 3 5 8
B) 2 4 6 10 16
C) 2 5 11 23 46
D) 1 3 4 12 13
E) 3 9 10 30 31

4.

Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur. Ancak dizilerden bir sayı bu kuralı bozmaktadır. **Bu sayı hangi dizide yer almaktadır?**

- A) 4 16 12 48 44
B) 2 8 4 16 12
C) 1 4 0 0 4
D) 3 12 8 32 28
E) 5 20 16 64 60

2.

- I. 3 6 12 24 48 96
II. 5 7 9 11 13 15
III. 10 13 16 19 22 25
IV. ?

- A) 1 2 4 8 16 32
B) 12 15 18 21 24 27
C) 20 18 16 14 12 10
D) 3 6 12 24 48 96
E) 1 3 9 27 81 243

5.

- I. 68 63 58 53 48
II. 2 6 18 54 162
III. 55 50 45 40 35
IV. ?

Yukarıda verilen I. ve II. sayı dizi oluşturulurken bir kurala uyulmuştur.

Benzer bir kural, III. Sayı dizisi ile aşağıda verilen seçeneklerden hangisi arasında vardır?

- A) 2 7 12 17 23
B) 1 3 9 27 81
C) 1 5 25 125 625
D) 29 24 19 14 9
E) 250 50 10 5 1

3.

Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur. Ancak dizilerden bir sayı bu kuralı bozmaktadır. **Bu sayı hangi dizide yer almaktadır?**

- A) 4 16 12 144 140
B) -1 1 2 4 8
C) 3 9 5 25 21
D) 5 25 20 400 395
E) 5 36 30 450 870

6.

- I. 1 2 3 5 8 13
II. 4 34 30 4 26 22
III. 2 8 6 2 4 2
IV. ?

- A) 6 10 16 26 42 68
B) 5 12 26 54 110 222
C) 2 4 6 8 10 12
D) 7 9 11 13 15 17
E) 12 22 18 26 22 28



7. Aşağıda verilen sayı dizileri oluşturulurken bir kurala uyulmuştur. Ancak dizilerden bir sayı bu kuralı bozmaktadır. Bu sayı hangi dizide yer almaktadır?

- A) 4 1 2 -1 -2 -5
B) 6 3 9 6 36 33
C) 2 -1 1 -2 0 1
D) 7 4 5 2 3 0
E) 5 2 4 1 3 0

8. I. 85 86 43 44 22
II. 62 31 32 16 17
III. 34 17 18 9 10
IV. ?
A) 45 90 30 60 20
B) 82 83 40 41 19
C) 32 15 16 7 8
D) 65 66 33 34 17
E) 4 12 14 42 14

9. I. 2 8 7 28 26 104
II. 10 9 36 34 136 133
III. 2 10 8 40 36 180
IV. ?
A) 14 12 60 56 280 274
B) 10 8 40 36 180 172
C) 124 20 19 24 22 26
D) 3 1 5 1 5 0
E) 14 15 9 11 6 9

10. I. 28 33 30 35 32 37
II. 42 37 40 35 38 33
III. 4 10 8 14 12 18
IV. ?

- A) 12 6 8 2 4 0
B) 18 12 14 8 10 6
C) 24 26 20 22 16 18
D) 40 45 43 48 46 51
E) 56 50 52 46 48 42

11. I. 5 10 8 13 11 16
II. 30 25 27 22 24 19
III. 3 10 8 15 13 20
IV. ?

- A) 30 23 25 18 20 12
B) 30 33 26 29 22 25
C) 42 35 37 30 32 25
D) 53 46 48 41 43 36
E) 30 23 25 18 22 15

12. I. 4 12 15 45 48 144
II. 2 8 12 48 52 208
III. 8 16 18 36 38 76
IV. ?

- A) 4 12 15 45 48 144
B) 6 18 21 63 66 198
C) 4 1 3 0 0 -3
D) 5 15 18 54 57 161
E) 4 12 9 27 24 72

Cevap Anahtarı – Answer Sheet

1.C	2.E	3.E	4.C	5.B	6.A
7.C	8.D	9.A	10.E	11.C	12.D



SAYI DİZİLERİ

TEST – 13

1. I. 5 3 9 7 21 19
II. 5 15 13 39 37 111
III. 5 2 8 5 20 17
IV. ?
- A) 5 35 37 259 261 268
B) 5 15 11 33 29 87
C) 5 20 17 68 65 260
D) 5 10 20 27 34 68
E) 5 1 3 -1 -3 -7

4. I. 3 4 12 13 39 40
II. 3 9 10 30 31 93
III. 2 10 12 60 62 310
IV. ?
- A) 4 6 30 32 150 152
B) 2 4 20 22 110 550
C) 2 4 30 32 160 152
D) 3 5 25 27 135 137
E) 6 8 40 42 210 212

2. I. 36 33 38 35 40 37
II. 5 10 7 12 9 14
III. 46 42 48 44 50 46
IV. ?
- A) 18 24 20 26 22 26
B) 13 19 15 22 25 28
C) 21 18 15 12 9 6
D) 4 10 6 12 8 14
E) 20 15 18 13 16 11

5. I. 2 3 5 8 12 17
II. 40 34 29 25 22 20
III. 3 5 9 15 23 33
IV. ?
- A) 60 58 56 52 50 48
B) 60 58 54 48 40 30
C) 60 58 50 48 40 32
D) 60 48 38 30 24 20
E) 60 57 51 42 30 16

3. I. 14 15 17 20 24 29
II. 42 41 39 36 32 27
III. 18 22 30 42 58 78
IV. ?
- A) 92 88 80 68 54 32
B) 58 54 46 40 28 13
C) 15 11 3 -9 -25 -35
D) 42 38 30 18 2 -18
E) 2 6 12 36 72 216

6. I. 225 75 72 24 21 7 4
II. 12 6 8 4 6 3 5
III. 3 12 16 64 68 272 276
IV. ?
- A) 3 12 8 28 112 108 99
B) 3 9 6 18 15 35 42
C) 171 57 54 18 15 5 27
D) 3 9 12 36 39 117 120
E) 6 18 15 45 42 126 123



SAYI DİZİLERİ

TEST – 13

7. I. 19 15 30 26 52 48 96
II. 8 4 12 8 24 20 60
III. 7 3 15 11 55 51 255
IV. ?

A) 5 1 5 1 5 1
B) 9 5 15 11 33 29
C) 7 3 6 2 4 0
D) 6 2 12 8 48 44
E) 10 6 18 15 42 38

8. I. 6 8 12 18 26 36
II. 40 38 34 28 20 10
III. 30 33 39 48 60 75
IV. ?

A) 18 15 9 0 -12 -17
B) 18 21 27 36 48 63
C) 51 48 42 37 31 24
D) 60 57 51 42 30 15
E) 12 17 15 20 18 23

9. I. 48 54 51 63 57 81
II. 32 8 14 2 5 -1
III. 88 96 92 108 100 132
IV. ?

A) 76 44 52 68 64 56
B) 92 100 96 112 104 136
C) 60 28 36 20 24 16
D) 6 12 18 24 30 36
E) 242 38 34 30 26 22

10. I. 12 15 9 18 6 21
II. 34 19 31 22 28 25
III. 12 8 16 4 20 0
IV. ?

A) 40 60 44 56 44 48
B) 12 32 16 28 20 16
C) 15 18 16 19 17 20
D) 2 22 6 18 10 14
E) 4 8 10 20 22 44

11. I. 6 18 20 80 83 415
II. 17 22 66 70 140 143
III. 2 8 11 55 59 354
IV. ?

A) 5 10 12 24 26 52
B) 8 32 35 175 179 1074
C) 5 11 44 49 147 152
D) 4 10 40 45 135 140
E) 8 14 56 61 183 187

12. I. 4 5 15 20 140 149
II. 2 18 25 125 128 128
III. 74 72 18 12 3/2 -17/2
IV. ?

A) 120 12 4 2/3 -10/3 -20/3
B) 1400 140 132 22 18 9
C) 90 88 22 16 2 -8
D) 6 54 61 305 308 309
E) 620 62 54 9 6 3

Cevap Anahtarı – Answer Sheet

1.C	2.D	3.D	4.D	5.D	6.E
7.D	8.D	9.C	10.D	11.E	12.B



SAYI DİZİLERİ

TEST – 14

1. I. 11 16 32 37 74 79
II. 8 16 21 42 47 94
III. 7 10 40 43 172 175
IV. ?
A) 6 24 27 108 111 433
B) 2 6 18 22 66 70
C) 9 12 48 51 204 207
D) 5 20 23 92 95 380
E) 3 12 16 64 68 272

2. I. 3 18 13 52 49 98
II. 5 7 21 25 125 131
III. 2 20 29 232 239 1434
IV. ?
A) 21 15 105 97 873 863
B) 1 10 19 152 159 954
C) 40 46 39 45 38 46
D) 2 4 8 10 20 22
E) 4 8 9 18 38 185

3. I. 8 32 16 64 32 128
II. 9 13 11 15 13 17
III. 64 128 32 64 16 32
IV. ?
A) 10 20 18 36 34 68
B) 4 8 2 4 1 2
C) 5 9 7 11 9 13
D) 40 44 42 46 44 48
E) 18 20 16 18 14 16

4. I. 4 12 13 39 40 120
II. 2 12 10 60 58 348
III. 6 12 15 30 33 66
IV. ?
A) 3 18 14 84 80 480
B) 3 12 6 24 18 72
C) 4 16 13 52 49 176
D) 8 16 18 36 38 76
E) 4 8 11 22 25 50

5. I. 8 6 18 16 48 46
II. 6 18 16 48 46 138
III. 4 8 15 30 37 74
IV. ?
A) 6 42 44 308 310 1270
B) 2 9 18 25 60 67
C) 8 16 23 46 53 106
D) 6 8 56 48 406 408
E) 4 11 22 29 58 65

6. I. 2 4 4 8 8 ?
II. 7 14 14 28 28 ?
A) 24, 96 B) 42, 85 C) 16, 56
D) 96, 256 E) 46, 86



SAYI DİZİLERİ

TEST – 14

7. I. 60 15 7,5 7,5 ?
II. 648 54 9 3 ?
A) $7,5 - 1$ B) $3,75 - 2$ C) $15 - 2$
D) $7,5 - 4,5$ E) $15 - 1,5$

8. I. 7 19 73 361 ?
II. 3 3 5 15 ?
A) $2166 - 68$ B) $1800 - 119$ C) $438 - 69$
D) $2161 - 68$ E) $2161 - 69$

9. I. 66 34 18 10 ?
II. 97 49 25 13 ?
A) $5 - 2$ B) $6 - 3$ C) $6 - 7$
D) $6 - 4$ E) $7 - 3$

10. I. 5 5 3 ? 3 9 5
II. -2 -2 0 ? 3 9 13
A) $5 - 0$ B) $6 - 0$ C) $3 - 1$
D) $6 - 2$ E) $9 - 4$

11. I. 5 12 26 54 110 ?
II. 11 25 53 109 221 ?
A) 227, 436 B) 221, 545 C) 223, 221
D) 333, 525 E) 222, 445

12. I. 1 8 2 20 16 ? 190
II. 12 24 12 48 38 228 ?
A) $72 - 218$ B) $192 - 212$ C) $172 - 206$
D) $176 - 212$ E) $192 - 220$

13. I. 3 6 12 24 ? 60
II. 2 12 14 84 86 ?
A) $30 - 176$ B) $28 - 476$ C) $32 - 516$
D) $30 - 516$ E) $30 - 26$

14. 2 8 10 40 42 168 170 ?
A) 670 B) 648 C) 680 D) 618 E) 688

Cevap Anahtarı – Answer Sheet

1.D	2.A	3.E	4.B	5.E	6.C
7.C	8.E	9.C	10.B	11.E	12.E
13.D	14.C				



1. 124 84 64 54 49 46.5 ?

- A) 46.5 B) 46.25 C) 47
D) 46.25 E) 45.25

2. I. 4 16 8 10 40 20 ? 88
II. 6 8 4 16 18 9 ? 38

- A) 80 – 36 B) 24 – 36 C) 22 – 36
D) 40 – 19 E) 24 – 18

3. I. ? 3 6 18 72 360
II. ? 4 6 9 13 18

- A) 2 – 6 B) 3 – 2 C) 2 – 3
D) 3 – 3 E) 3 – 4

4. I. 10 5 20 10 ? 20 80
II. 6 ? 20 24 48 52 104

- A) 40 – 10 B) 80 – 10 C) 40 – 12
D) 40 – 20 E) 5 – 20

5. Aşağıdakilerden hangi sayı sıralamayı bozmaktadır?

1 9 17 28 41 56 73

- A) 9 B) 10 C) 17 D) 28
E) 56

6. 11 10 13 8 15 6 17 13

- A) 11 B) 13 C) 6 D) 17 E) 8

7. 2 4 7 14 17 34 27

- A) 2 B) 7 C) 34 D) 27
E) 14

8. 8 13 65 70 350 356

- A) 8 B) 13 C) 65 D) 70 E) 356



9. 2 7 22 63 202

A) 2 B) 7 C) 22 D) 63 E) 202

10. 3 6 10 20 23 27 54 ?

A) 56 B) 57 C) 58 D) 62 E) 108

11. 2 4 7 12 14 17 22 ?

A) 24 B) 25 C) 26 D) 27 E) 28

12. 3 7 16 35 ?
7 15 32 67 ?

A) 72 B) 62 C) 64 D) 72 E) 74
132 136 130 134 138

13. 1 9 $\sqrt{5}$ 49 3 121 ?

A) 144 B) 169 C) $\sqrt{11}$ D) $\sqrt{13}$ E) $\sqrt{15}$

14. 6 6 7 7 10 9 15 12 22 16 ? ?

A) 32, 22 B) 29, 21 C) 30, 31
D) 21, 31 E) 31, 21

15. 1 $\sqrt{2}$ 9 2 25 $\sqrt{6}$ 49 ?

A) 8 B) $\sqrt{10}$ C) 7 D) 64 E) $2\sqrt{2}$

16. 12 22 23 33 34 44 ?

A) 55 B) 43 C) 88 D) 45 E) 35

Cevap Anahtarı – Answer Sheet

1.E	2.C	3.D	4.A	5.A	6.B
7.D	8.E	9.D	10.B	11.A	12.E
13.D	14.E	15.E	16.D		

3. BÖLÜM

İŞLEM YETENEĞİ







1. I. $15 \otimes 23 = 12$
II. $27 \otimes 45 = 29$
III. $82 \otimes 34 = 22$
IV. $39 \otimes 61 = ?$

A) 12 B) 16 C) 18 D) 20 E) 22

2. I. $28 \otimes 39 = 42$
II. $46 \otimes 57 = 58$
III. $65 \otimes 24 = 34$
IV. $19 \otimes 91 = ?$

A) 82 B) 83 C) 84 D) 85 E) 86

3. I. $91 \diamond 38 = 19$
II. $32 \diamond 42 = 8$
III. $56 \diamond 94 = 21$
IV. $74 \diamond 51 = ?$

A) 30 B) 31 C) 32 D) 33 E) 34

4. I. $4 \times 8 = 16$
II. $6 \times 7 = 21$
III. $8 \times 9 = ?$

A) 40 B) 39 C) 38 D) 37 E) 36

5. I. $32 \heartsuit 25 = 33$
II. $43 \heartsuit 14 = 65$
III. $15 \heartsuit 82 = 40$
IV. $23 \heartsuit 43 = ?$

A) 41 B) 42 C) 43 D) 44 E) 45

6. I. $\clubsuit 9 = 121$
II. $\clubsuit 6 = 64$
III. $\clubsuit 7 = ?$

A) 75 B) 77 C) 79 D) 81 E) 83

7. I. $\triangle 8 = 27$
II. $\triangle 7 = 24$
III. $\triangle 6 = 21$
IV. $\triangle 5 = ?$

A) 12 B) 14 C) 15 D) 16 E) 18

8. I. $(a + 1) \bullet (b - 1) = (a - 1) + (b + 1)$
II. $7 \bullet 4 = ?$

A) 9 B) 10 C) 11 D) 12 E) 13



9. I. $a^2 \odot b^3 = (a + 1) \cdot (b + 1)$

II. $a \oplus b = \frac{a+1}{b+1}$

III. $(1 \odot 8) \oplus (16 \odot 125) = ?$

A) $\frac{5}{31}$ B) $\frac{6}{31}$ C) $\frac{7}{31}$ D) $\frac{8}{31}$ E) $\frac{9}{31}$

10. I. $4a \otimes 7b = \frac{a}{7} + \frac{b}{4}$

II. $a \bullet b^2 = \frac{a \cdot b}{2a+b}$

III. $(28 \otimes 56) \bullet (84 \otimes 168) = ?$

A) 1 B) 2 C) 3 D) 4 E) 5

11. I. $7 \bullet 3 = 12$

II. $2 \bullet 8 = 7$

III. $4 \bullet 6 = 15$

IV. $9 \bullet 5 = ?$

A) 24 B) 28 C) 30 D) 32 E) 36

12. I. $8 \Re 7 = 25$

II. $6 \Re 9 = 15$

III. $5 \Re 3 = 17$

IV. $1 \Re 4 = ?$

A) 0 B) 1 C) 2 D) 3 E) 4

13. I. $42 * 36 = 17$

II. $33 * 24 = 15$

III. $65 * 98 = 47$

IV. $73 * 18 = ?$

A) 25 B) 26 C) 27 D) 28 E) 30

14. I. $34 \star = 5$

II. $58 \star = 27$

III. $67 \star = 29$

IV. $15 \star = ?$

A) -1 B) -2 C) -3 D) -4 E) -5

15. I. $\bullet 364 = 4$

II. $\bullet 583 = 7$

III. $\bullet 712 = 1$

IV. $\bullet 921 = ?$

A) 3 B) 5 C) 6 D) 7 E) 8

16. I. $\boxtimes 28 = 38$

II. $\boxtimes 32 = 37$

III. $\boxtimes 46 = 56$

IV. $\boxtimes 54 = ?$

A) 47 B) 51 C) 63 D) 68 E) 76

Cevap Anahtarı – Answer Sheet

1.C	2.A	3.B	4.E	5.C	6.D	7.E	8.C
9.C	10.A	11.E	12.A	13.E	14.A	15.A	16.C



1. I. $(2a + 1) \star (b + a) = a \cdot b + 2a$

II. $(5 \star 3) = ?$

- A) 2 B) 3 C) 4 D) 5 E) 6

2. I. $(a \cdot b - 2) \star (3a + 5) = a^b - 6$

II. $(4 \star 11) = ?$

- A) -2 B) 2 C) 10 D) 21 E) 27

3. I. $(a^3 - 1) \blacktriangle (a + b + 2) = a^2 - 2b + b^2$

II. $(7 \blacktriangle 5) = ?$

- A) 1 B) 2 C) 3 D) 4 E) 5

4. I. $\left(\frac{1}{a+1}\right) \blacktriangleleft \left(\frac{b+a}{b-1}\right) = a \cdot b$

II. $\left(\frac{3}{2} \blacktriangleleft 2\right) = ?$

- A) $-\frac{1}{9}$ B) $-\frac{5}{9}$ C) 0 D) 1 E) 2

5. I. $\left(\sqrt{\frac{a+1}{a-2}}\right) \boxtimes (b^b) = a^b + b^a$

II. $(2 \boxtimes 4) = ?$

- A) 3 B) 8 C) 17 D) 32 E) 54

6. I. $\left(\frac{a-1}{a+1}\right) \heartsuit \left(\frac{b^3-1}{7}\right) = 2a + 3b$

II. $(2 \heartsuit 1) = ?$

- A) 0 B) 2 C) 3 D) 4 E) 5

7. I. $2 \odot 4 = 18$

II. $4 \odot 6 = 40$

III. $5 \odot 2 = 9$

IV. $a \odot b = ?$

- A) $(a+1) \cdot (b+2)$ B) $4 \cdot (a+b)$ C) $a+2b$
D) a^2+b E) $a+b^2$

8. I. $a \oplus b = \frac{3}{a} + \frac{b}{6}$

II. $(6 \oplus 3) \oplus (12 \oplus 1) = ?$

- A) $\frac{215}{72}$ B) $\frac{217}{72}$ C) $\frac{219}{72}$ D) $\frac{221}{72}$ E) $\frac{223}{72}$



9. I. $a \odot b = b^a$

II. $a * b = (a - b) \cdot (a + b)$

III. $3 \odot (3 * 1) = ?$

A) 64 B) 216 C) 256 D) 444 E) 512

10. I. $a \star b = 4(a \blacktriangle b)$

II. $a \blacktriangle b = (a + b) - (a \blacksquare b)$

III. $a \blacksquare b = 2a - 3b$

IV. $5 \star 3 = ?$

A) 21 B) 28 C) 35 D) 42 E) 49

11. I. $4 \diamond 8 = 48$

II. $3 \diamond 5 = 24$

III. $5 \diamond 6 = 55$

IV. $7 \diamond 2 = ?$

A) 59 B) 60 C) 61 D) 62 E) 63

12. I. $1 \square 3 \bigcirc 2 = 2$

II. $9 \square 7 \bigcirc 4 = 4$

III. $5 \square 10 \bigcirc 3 = ?$

A) 5 B) 4 C) 3 D) 2 E) 1

13. I. $4 \odot 5 = 17$

II. $6 \odot 7 = 24$

III. $8 \odot 8 = 28$

IV. $10 \odot 9 = ?$

A) 30 B) 31 C) 32 D) 33 E) 34

14. I. $3 \clubsuit 6 = 9$

II. $4 \clubsuit 8 = 16$

III. $5 \clubsuit 10 = 25$

IV. $6 \clubsuit 4 = ?$

A) 32 B) 48 C) 64 D) 108 E) 116

15. I. $5 \phi 3 = 4$

II. $7 \phi 6 = 2$

III. $4 \phi 2 = 4$

IV. $8 \phi 9 = ?$

A) -5 B) -4 C) -3 D) -2 E) -1

16. I. $a \star b = 3(a \square b) + 4$

II. $a \square b = a + b + (a \bullet b)$

III. $a \bullet b = a^2 - b^2$

IV. $5 \star 3 = ?$

A) 24 B) 28 C) 56 D) 72 E) 76

Cevap Anahtarı – Answer Sheet

1.E	2.B	3.C	4.B	5.C	6.A	7.E	8.D
9.E	10.B	11.E	12.A	13.C	14.D	15.D	16.E



1. I. $a \triangle b = a^4 + 3b^2 + 2ab$

II. $\sqrt{2} \triangle \sqrt{18} = ?$

- A) 68 B) 70 C) 72 D) 74 E) 78

2. I. $a \square b = 3a + b^2$

II. $a \star b = \frac{a}{3} + 2b$

III. $(12 \star 1) \star (3 \square 2) = ?$

- A) 25 B) 26 C) 27 D) 28 E) 29

3. I. $2a^2 \star b^3 = 2a + 3ab^3 + b^6$

II. $b^2 \square 2a = 3a + 5b$

III. $(16 \square 8) \star 3 = ?$

- A) 53 B) 51 C) 47 D) 45 E) 42

4. I. $4a \otimes 2b = (a \square b) + \frac{a}{3} + 3b$

II. $a \square b = 2a + \frac{b}{3}$

III. $12 \otimes 6 = ?$

- A) 15 B) 17 C) 18 D) 20 E) 22

5. I. $\left(\frac{a+1}{2}\right) \star (2b-1) = a+b-2a+3b$

II. $(2 \star 1) \star 3 = ?$

- A) 4 B) 5 C) 6 D) 7 E) 8

6. I. $(2a-1) \blacktriangle (3b+4) = a \cdot b - 4a + 5$

II. $(3 \blacktriangle 7) \blacktriangle (3 \blacktriangle 1) = ?$

- A) -5 B) -3 C) 0 D) 3 E) 5

7. I. $(5a-4) \blacktriangle (3b+1) = 2a-5b$

II. $(a-3) \blacktriangle \left(\frac{b-12}{2}\right) = a \cdot b$

III. $(6 \blacktriangle 4) \blacktriangle (-4 \blacktriangle 7) = ?$

- A) -16 B) -12 C) -8 D) -6 E) -4

8. I. $(x!) \triangle (y+1) = x+y$

II. $x \blacktriangle (y-1) = \frac{8(x+y)}{4}$

III. $(6 \triangle 4) \blacktriangle (2 \triangle 3) = ?$

- A) 6 B) 12 C) 18 D) 22 E) 25



9. I. $\left(\frac{a-1}{2}\right) \blacktriangle \left(\frac{2b+1}{3}\right) = a+2b$

II. $(a+1) \oplus (b-1) = a \cdot b$

III. $(-2 \blacktriangle 1) \oplus (2 \oplus 1) = ?$

A) -15 B) -11 C) -6 D) -4 E) -1

10. I. $a \square b = (a^2b - b^2a) + (a \triangle b)$

II. $a \triangle b = (a+b) \cdot (a-b)$

III. $6 \square 5 = ?$

A) 39 B) 40 C) 41 D) 42 E) 43

11. I. $a \star b = (a-1) \cdot (b+1)$

II. $a * b = (a+1) \cdot (b-1)$

III. $(4 \star 12) * 26 = ?$

A) 500 B) 750 C) 950 D) 1000 E) 1250

12. I. $a \odot b = 4a - 2b$

II. $4 \odot k = k \odot 10$

III. $k = ?$

A) 2 B) 4 C) 5 D) 6 E) 8

13. I. $a \star b = 4a + 6b$

II. $a \circ b = 5b + 3a$

III. $m \star 7 = 7 \circ m$

IV. $m = ?$

A) 14 B) 17 C) 18 D) 21 E) 24

14. I. $a \star b = \frac{(a \circ b)}{3} + 4ab$

II. $a \star b = (2a + 3b)^2$

III. $3 \circ 1 = ?$

A) 81 B) 162 C) 207 D) 222 E) 243

15. I. $\heartsuit 18 \bullet 3 = 3$

II. $\heartsuit 59 \bullet 7 = 2$

III. $\heartsuit 78 \bullet 5 = ?$

A) 3 B) 6 C) 9 D) 12 E) 13

16. I. $\nabla 76 = 4$

II. $\nabla 84 = 3$

III. $\nabla 91 = 1$

IV. $\nabla 64 = ?$

A) 4 B) 3 C) 2 D) 1 E) -1

Cevap Anahtarı – Answer Sheet

1.B	2.D	3.A	4.B	5.D	6.E	7.A	8.D
9.C	10.C	11.D	12.D	13.D	14.C	15.A	16.D



1. I. $\times 25 = 7$
II. $\times 22 = 4$
III. $\times 34 = 10$
IV. $\times 27 = ?$
- A) 12 B) 13 C) 14 D) 15 E) 16

2. I. $\nabla 112 = 4$
II. $\nabla 312 = 8$
III. $\nabla 421 = 6$
IV. $\nabla 323 = ?$
- A) 12 B) 13 C) 14 D) 15 E) 16

3. I. $\boxtimes 564 = 7$
II. $\boxtimes 356 = 2$
III. $\boxtimes 426 = 0$
IV. $\boxtimes 539 = ?$
- A) 4 B) 3 C) 2 D) 1 E) -1

4. I. $\blacktriangle 134 = 4$
II. $\blacktriangle 255 = 6$
III. $\blacktriangle 619 = 8$
IV. $\blacktriangle 532 = ?$
- A) 3 B) 4 C) 5 D) 6 E) 7

5. I. $(4a + 5) \square (b^2 - 1) = a + b$
II. $a^2 \star 3b = 2a^2 + 4b^2$
III. $(25 \square 35) \star 9 = ?$
- A) 62 B) 61 C) 60 D) 59 E) 58

6. I. $(3a + 7) \square (5b - 3) = \frac{3}{a} + \frac{5}{b}$
II. $4a \triangle b^2 = \frac{a+b}{a \cdot b}$
III. $(10 \square 2) \triangle 4 = ?$
- A) 1 B) 2 C) 3 D) 4 E) 5

7. I. $a \star b = \frac{\frac{a}{b}}{\frac{b}{a}}$
II. $a \square b = \frac{a \star b}{b \star a}$
III. $9 \square 3 = ?$
- A) 9 B) 27 C) 36 D) 54 E) 81

8. I. $\frac{a}{4} \star \frac{b}{6} = \frac{2a+b}{8}$
II. $(2a + 2) \bullet \sqrt{b} = a + b$
III. $(3 \star 4) \bullet 5 = ?$
- A) 7 B) 17 C) 22 D) 25 E) 27



9. I. $a \circ b = 4(a \star b) - 8$
II. $a \circ b = 2b^2 + (a + 4)$
III. $4 \star 2 = ?$

A) 4 B) 5 C) 6 D) 8 E) 10

10. I. $a \square b = 3(a \star b) + 6$
II. $a \star b = (a \circ b) + 5$
III. $a \circ b = 2a + 3b$
IV. $(2 \square 3) + (3 \square 2) = ?$

A) 117 B) 115 C) 114 D) 112 E) 110

11. I. $94 \rightarrow 65$
II. $71 \rightarrow 48$
III. $65 \rightarrow 11$
IV. $42 \rightarrow ?$

A) 8 B) 12 C) 24 D) 28 E) 32

12. I. $42 \rightarrow 36$
II. $71 \rightarrow 63$
III. $59 \rightarrow 45$
IV. $28 \rightarrow ?$

A) 24 B) 21 C) 19 D) 18 E) 15

13. I. $49 \rightarrow 26$
II. $92 \rightarrow 22$
III. $14 \rightarrow 20$
IV. $57 \rightarrow ?$

A) 45 B) 32 C) 29 D) 27 E) 24

14. I. $a \odot b = 2a + b$
II. $a \square b = a + 2b$
III. $(1 \odot x) \square (2 \odot x) = 1$
 $x = ?$

A) -9 B) -6 C) -1 D) 3 E) 9

15. I. $x \odot y = x + y$
II. $x \blacktriangle y = x + 3y - (x \odot y)$
III. $(1 \blacktriangle 2) \odot 3 = ?$

A) 1 B) 2 C) 3 D) 4 E) 5

16. I. $\frac{a-b}{a \blacktriangle b} = \frac{1}{a} + \frac{2}{b}$

- II. $2 \blacktriangle 4 = ?$

A) -3 B) -2 C) -1 D) 1 E) 2

Cevap Anahtarı – Answer Sheet

1.B	2.D	3.E	4.C	5.E	6.A	7.E	8.E
9.C	10.A	11.B	12.D	13.E	14.C	15.D	16.B



1. I. $x \odot y - 2(x \odot y) = 5 \cdot x \cdot y$

II. $(2 \odot 1) = ?$

- A) -15 B) -10 C) -5 D) 5 E) 10

2. I. $4 \star 5 = 4$

II. $2 \star 6 = 3$

III. $1 \star 4 = 1$

IV. $8 \star 3 = ?$

- A) 2 B) 3 C) 4 D) 5 E) 6

3. I. $\blacksquare 395 = 6$

II. $\blacksquare 286 = 4$

III. $\blacktriangledown 18 = 9$

IV. $\blacktriangledown 17 = 8$

V. $\blacksquare 483 \blacktriangledown 23 = 9$

VI. $\blacksquare 367 \blacktriangledown 15 = ?$

- A) 18 B) 19 C) 20 D) 21 E) 22

4. I. $632 \star = 86$

II. $423 \star = 74$

III. $845 \diamond = 42$

IV. $687 \diamond = 46$

V. $(346 \star) \diamond = ?$

- A) 10 B) 12 C) 14 D) 16 E) 18

5. I. $351 \oplus = 8$

II. $628 \oplus = 10$

III. $331 \otimes = 20$

IV. $244 \otimes = 24$

V. $(654 \oplus) + (368 \otimes) = ?$

- A) 47 B) 58 C) 69 D) 81 E) 102

6. I. $468 \bullet = 21$

II. $587 \bullet = 23$

III. $143 \bullet = 11$

IV. $921 \bullet = ?$

- A) 13 B) 14 C) 15 D) 16 E) 17

7. I. $(x^2 + 1) \blacktriangle (x^3 - 1) = 2x + 3$

II. $a \blacktriangle (-9) = b$

III. $a + b = ?$

- A) 1 B) 2 C) 3 D) 4 E) 5

8. I. $a \blacktriangledown b = a - b + 5$

II. $a \blacktriangle b = a + b - 3$

III. $(5 \blacktriangledown 3) \blacktriangle (3 \blacktriangledown 2) = ?$

- A) 4 B) 5 C) 6 D) 7 E) 10



9. I. $x \blacktriangle y = x \cdot y + 1$

II. $x \blacktriangledown y = y^x - 1$

III. $(2 \blacktriangledown (-2)) \blacktriangle (3 \blacktriangledown 2) = ?$

A) 19 B) 20 C) 21 D) 22 E) 23

10. I. $x \blacktriangle y = (x \blacksquare y) - x \cdot y$

II. $x \blacksquare y = 2(x \blacktriangle y) - 5$

III. $1 \blacksquare (-2) = ?$

A) -2 B) -1 C) 0 D) 1 E) 2

11. I. $x \blacktriangle y = x - y$

II. $x \odot y = x + y$

III. $(x \blacktriangle y) \odot (x \blacktriangledown y) = x \cdot y$

IV. $x \blacktriangledown y = ?$

A) $xy+x+y$ B) $xy+x-y$ C) $xy-x+y$

D) $xy-x-y$ E) $-xy-x+y$

12. I. $a \bigcirc b = 4a + 3b$

II. $a \bigcirc b = 2(a \star b) + 4$

III. $5 \star 6 = ?$

A) 24 B) 22 C) 20 D) 18 E) 17

13. I. $x \star y = \frac{x^3}{2y}$

II. $x \square y = x^2 + y$

III. $(4 \star 16) \square 6 = ?$

A) 10 B) 12 C) 15 D) 17 E) 24

14. I. $6 \bullet 2 \bullet 4 = 74$

II. $9 \bullet 5 \bullet 2 = 42$

III. $7 \bullet 3 \bullet 1 = 17$

IV. $8 \bullet 6 \bullet 3 = ?$

A) 44 B) 67 C) 71 D) 91 E) 112

15. I. $74 \rightarrow 33$

II. $62 \rightarrow 32$

III. $92 \rightarrow 77$

IV. $86 \rightarrow ?$

A) 19 B) 28 C) 35 D) 42 E) 54

16. I. $91 \rightarrow 16$

II. $63 \rightarrow 6$

III. $81 \rightarrow 14$

IV. $95 \rightarrow ?$

A) 7 B) 8 C) 10 D) 12 E) 16

Cevap Anahtarı – Answer Sheet

1.B	2.E	3.D	4.B	5.C	6.C	7.D	8.E
9.D	10.D	11.C	12.E	13.A	14.C	15.B	16.B



1. I. $2^x \blacktriangleright y = 8^{3x-2y}$

II. $2 \blacktriangleright 1 = ?$

- A) 8 B) 10 C) 12 D) 14 E) 16

2. I. $x \blacktriangleright y = x - y$

II. $x \bullet y = x + y$

III. $(x \blacktriangleright y) \bullet (x \blacktriangleright y) = ((x \bullet y) \blacktriangleright (y \bullet y)) \cdot k$

IV. $k = ?$

- A) -2 B) -1 C) 0 D) 1 E) 2

3. I. $a \blacktriangleright b = a + b - 2$

II. $(2 \blacktriangleright 1) \blacktriangleright (1 \blacktriangleright (-2 \blacktriangleright 1)) = ?$

- A) -8 B) -7 C) -6 D) -5 E) -4

4. I. $x \blacktriangle y = \begin{cases} 2x+y & x-y < 0 \\ x-2y & x-y \geq 0 \end{cases}$

II. $(2 \blacktriangle 1) \blacktriangle (2 \blacktriangle 4) = ?$

- A) 4 B) 5 C) 6 D) 7 E) 8

5. I. $20 \diamondsuit 4 = 18$

II. $61 \diamondsuit 16 = 53$

III. $53 \diamondsuit 8 = 49$

IV. $24 \diamondsuit 6 = ?$

- A) 19 B) 20 C) 21 D) 22 E) 23

6. I. $6 \heartsuit 3 = 9$

II. $4 \heartsuit 8 = 64$

III. $12 \heartsuit 3 = 9$

IV. $8 \heartsuit 2 = ?$

- A) 1 B) 2 C) 3 D) 4 E) 5

7. I. $3 \blacksquare 2 = 5$

II. $4 \blacksquare 6 = 4$

III. $5 \blacksquare 3 = 19$

IV. $6 \blacksquare 4 = ?$

- A) 5 B) 10 C) 20 D) 28 E) 35

8. I. $3 \times 8 = 8$

II. $4 \times 5 = 4$

III. $6 \times 1 = 6$

IV. $7 \times 2 = ?$

- A) 6 B) 5 C) 4 D) 3 E) 2



9. I. $12 \star 3 = 33$
II. $16 \star 4 = 72$
III. $24 \star 2 = 20$
IV. $20 \star 5 = ?$

A) 120 B) 125 C) 130 D) 135 E) 140

10. I. $1 \star 0 \rightarrow 1$
II. $5 \star 3 \rightarrow 8$
III. $15 \star 12 \rightarrow 27$
IV. $24 \star 20 \rightarrow ?$

A) 64 B) 59 C) 44 D) 29 E) 17

11. I. $3a \star b^2 = a + b$
II. $a \triangle 2b = \frac{a+b}{2}$
III. $(12 \star 144) \triangle 16 = ?$

A) 16 B) 14 C) 12 D) 10 E) 8

12. I. $a \square b = a^b + b^a$
II. $a \bigcirc b = a^b - b^a$
III. $(2 \square 3) \bigcirc 1 = ?$

A) 17 B) 16 C) 15 D) 14 E) 13

13. I. $a \square b = 2a + 3b$
II. $a \star b = a^2 + b$
III. $m \square 4 = 5 \star m$
IV. $m = ?$

A) 10 B) 11 C) 12 D) 13 E) 14

14. I. $x \blacksquare y = x - y + (x \blacktriangle y)$
II. $x \blacktriangle y = x + 3y - (x \blacksquare y)$
III. $3 \blacksquare 4 = ?$

A) 4 B) 5 C) 6 D) 7 E) 8

15. I. $x \blacktriangle y = \begin{cases} y^x & x < y \\ x \cdot y & x = y \\ x^y & y < x \end{cases}$

- II. $(1 \blacktriangle 2) \blacktriangle (2 \blacktriangle 1) = ?$

A) 2 B) 4 C) 6 D) 9 E) 12

16. I. $x \blacksquare y = \begin{cases} x^2 - 2y & y \equiv 0 \pmod{2} \\ x \cdot y + x & y \equiv 1 \pmod{2} \end{cases}$

- II. $(2 \blacksquare 3) \blacksquare 2 = ?$

A) 32 B) 48 C) 54 D) 60 E) 72

Cevap Anahtarı – Answer Sheet

1.C	2.E	3.D	4.E	5.C	6.D	7.D	8.E
9.D	10.A	11.C	12.B	13.D	14.D	15.B	16.D



1. I. $x \blacktriangle y = x^{y+2}$
II. $2 \blacktriangle k = 8 \blacktriangle 2$
III. $k = ?$
- A) 8 B) 10 C) 12 D) 14 E) 16

2. I. $(a \cdot b) \triangle (c \cdot d) = (a \cdot c + d, b \cdot c - d)$
II. $(a \cdot b) \bullet (c \cdot d) = \left(\frac{a-d}{b-c}, \frac{a+d}{b+c} \right)$
III. $[(10, 3) \bullet (1, 2)] \triangle (1, 2) = ?$
- A) (1, 6) B) (2, 4) C) (3, 5)
D) (6, 1) E) (6, 6)

3. I. $\frac{a}{6} \oplus (b + 3) = (a \cdot b) - (2a + 3b)$
II. $3 \oplus 7 = ?$
- A) 18 B) 21 C) 24 D) 27 E) 30

4. I. $\frac{a}{2} \square b = 3a - 4b$
II. $3a \triangle \frac{b}{2} = 2a + b$
III. $(12 \triangle 2) \square (6 \triangle 8) = ?$
- A) -8 B) -4 C) 0 D) 4 E) 8

5. I. $\frac{1}{2a} \star \frac{1}{b} = 2a + 3b$
II. $a \square b = (a - b)^2$
III. $\left(\frac{1}{8} \star \frac{1}{4} \right) \square 16 = ?$
- A) 9 B) 16 C) 25 D) 36 E) 49

6. I. $324 \oslash 512 = 34$
II. $704 \oslash 418 = 32$
III. $943 \oslash 851 = 148$
IV. $15 \oslash 24 = ?$
- A) 11 B) 12 C) 13 D) 14 E) 15

7. I. $\text{}436 = 12, 10$
II. $\text{}385 = 24, 8$
III. $\text{}267 = 12, 9$
IV. $\text{}538 = ?$
- A) 15, 13 B) 15, 14 C) 13, 15
D) 14, 13 E) 15, 15

8. I. $4 \boxtimes 6 \rightarrow 3 = -6$
II. $3 \boxtimes 9 \rightarrow 2 = -12$
III. $5 \boxtimes 1 \rightarrow 5 = 20$
IV. $8 \boxtimes 10 \rightarrow 4 = ?$
- A) -4 B) -6 C) -7 D) -8 E) -9



9. I. $4 \times 2 = 4$

II. $3 \times 2 = \frac{9}{4}$

III. $8 \times 4 = ?$

- A) 8 B) 7 C) 6 D) 5 E) 4

10. I. $3 \square 8 = 6$

II. $4 \square 5 = 5$

III. $6 \square 8 = 12$

IV. $6 \square 6 = ?$

- A) 8 B) 9 C) 10 D) 11 E) 12

11. I. $4 \bullet 2 = 16$

II. $1 \bullet 3 = 12$

III. $5 \bullet 5 = 40$

IV. $6 \bullet x = 34$

$x = ?$

- A) 3 B) 4 C) 5 D) 6 E) 7

12. I. $(a, b) \blacksquare (c, d) = (a \cdot b, a + b + c + d)$

II. $(a, b) \bullet (c, d) = (a + 2c, ac - bd)$

III. $(1, x) \blacksquare (x, 2) = (1, 2) \bullet (x, y)$

IV. $x \cdot y = ?$

- A) -2 B) -1 C) 1 D) 2 E) 4

13. I. $x \blacksquare y = \frac{x}{1 + \left(\frac{x}{y}\right)^x} + \frac{y+2}{\left(\frac{x}{y}\right)^y + 3}$

II. $2 \blacksquare 1 = ?$

- A) 5 B) 4 C) 3 D) 2 E) 1

14. I. $x \blacksquare y = 2x^2 - xy + y^3$

II. $x \blacktriangle y = x^2 + xy + y^2$

III. $(3 \blacksquare 2) - (2 \blacktriangle 3) = ?$

- A) -3 B) -2 C) -1 D) 1 E) 2

15. I. $x \blacksquare y = 3^{x \blacksquare y} - 3x - y$

II. $2 \blacksquare 1 = ?$

- A) 1 B) 2 C) 3 D) 4 E) 5

16. I. $a \star b = a^2 + b^2 - 2(a \star b) - 1$

II. $3 \star 4 = ?$

- A) 6 B) 7 C) 8 D) 9 E) 10

Cevap Anahtarı – Answer Sheet

1.B	2.D	3.C	4.A	5.B	6.C	7.A	8.D
9.E	10.B	11.B	12.C	13.E	14.D	15.B	16.C



1. I. $a \bullet b = \begin{cases} 2a - b, & a < b \\ 4a + 3b, & b \leq a \end{cases}$

II. $(3 \bullet 4) (-3) = ?$

- A) -2 B) -1 C) 0 D) 1 E) 2

2. I. $a \square b = \begin{cases} a^2 + b^2 & a < b \\ 3a - 2b & a = b \\ a - b & a > b \end{cases}$

II. $(4 \square 3) \square (2 \square 2) = ?$

- A) 5 B) 7 C) 10 D) 12 E) 15

3. I. $a * b = 3a + 2b - 4(a * b) - 5$

II. $7 * 2 = ?$

- A) 1 B) 2 C) 3 D) 4 E) 5

4. I. $9 * 6 = 18$

II. $6 * 8 = 16$

III. $4 * 6 = ?$

- A) 12 B) 11 C) 10 D) 9 E) 8

5. I. $\bullet 42 = 12$

II. $\bullet 32 = 5$

III. $\blacksquare 54 = 20$

IV. $\blacksquare 63 = 18$

V. $\blacksquare (\bullet 85) = ?$

- A) 25 B) 26 C) 27 D) 28 E) 29

6. I. $\odot 432 = 9$

II. $\bullet 24 = 8$

III. $\bullet (\odot 325) = ?$

- A) 0 B) 1 C) 2 D) 3 E) 4

7. I. $6 \diamond 3 = 3$

II. $8 \diamond 2 = 6$

III. $4 \diamond 6 = ?$

- A) 5 B) 4 C) 3 D) 2 E) 1

8. I. $\text{K}423 = 66$

II. $\text{K}533 = 89$

III. $\text{K}(\text{K}823) = ?$

- A) 7 B) 8 C) 9 D) 10 E) 11



9. I. $9 \blacktriangle 17 = 28$
II. $12 \blacktriangle 31 = 29$
III. $4 \blacktriangle 6 = 14$
IV. $8 \blacktriangle 10 = ?$

A) 29 B) 30 C) 31 D) 32 E) 33

10. I. $a \star b = \frac{a \cdot b}{a - b}$

II. $a \triangle b = \frac{a - b}{\frac{1}{a \cdot b}}$

III. $a \square b = (a \star b) + (a \triangle b)$

IV. $4 \square 2 = ?$

A) 10 B) 12 C) 14 D) 16 E) 20

11. I. $\frac{a}{2} \square \frac{b}{4} = \frac{a + b}{2}$

II. $\sqrt{a} \star \frac{b}{27} = a - b$

III. $(4 \square 4) \star 5 = ?$

A) 5 B) 7 C) 9 D) 11 E) 14

12. I. $(a, b) \bullet (c, d) = (a \cdot d - b \cdot c, a \cdot c - b \cdot d)$
II. $(a, b) \square (c, d) = [(2ab - 3bc), (3ad - 4ac)]$
III. $[(4, 1) \bullet (3, 2)] \square (3, 4) = ?$

A) (10, 0) B) (10, 5) C) (7, 4)
D) (6, 5) E) (0, 10)

13. I. $a \blacktriangle b = (a + b) \cdot (a - b)$

II. $24 \blacktriangle b = 47$

III. $b = ?$

A) 1 B) 7 C) 15 D) 22 E) 23

14. I. $\frac{1}{\frac{1}{x} \triangle y} = x - \frac{1}{y} + \sqrt{x \cdot y}$

II. $3 \triangle \frac{1}{3} = ?$

A) 1 B) 2 C) 3 D) 4 E) 5

15. I. $x \blacktriangleright y = \begin{cases} x \bigcirc y, & x > y \\ (2x) \bigcirc y, & x \leq y \end{cases}$

II. $x \bigcirc y = x + y - 1$

III. $(2 \blacktriangleright 1) + (1 \blacktriangleright 2) = ?$

A) 1 B) 2 C) 3 D) 4 E) 5

16. I. $x \blacktriangleright y = \begin{cases} (2x) \blacktriangleright 3y, & x > y \\ x + y, & x = y \\ (3x) \blacktriangleright y, & x < y \end{cases}$

II. $1 \blacktriangleright 2 = ?$

A) 4 B) 6 C) 8 D) 10 E) 12

Cevap Anahtarı – Answer Sheet

1.B	2.A	3.D	4.E	5.C	6.A	7.E	8.D
9.B	10.E	11.C	12.A	13.E	14.A	15.E	16.E

4. BÖLÜM

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TEST – 1

1.
$$\begin{array}{r} ABA \\ + AAB \\ \hline 1C65 \end{array} \quad C = ?$$

A) 2 B) 4 C) 5 D) 6 E) 8

2.
$$\begin{array}{r} KLM \\ \times K \\ \hline 40KM \end{array} \quad M = ?$$

A) 1 B) 5 C) 6 D) 7 E) 8

3.
$$\begin{array}{r} KMK \\ \times TK \\ \hline 111E \\ + MLN \\ \hline RPME \end{array} \quad P = ?$$

A) 3 B) 4 C) 5 D) 6 E) 7

4.
$$\begin{array}{r} ABA \\ - AB \\ \hline 564 \end{array} \quad A + B = ?$$

A) 6 B) 7 C) 8 D) 9 E) 10

5.
$$\begin{array}{r} MS \\ \times SM \\ \hline E1E \\ + M21 \\ \hline MM2E \end{array} \quad E = ?$$

A) 2 B) 3 C) 4 D) 6 E) 8

6.
$$\begin{array}{r} KL \\ - LK \\ \hline M6 \end{array} \quad M = ?$$

A) 1 B) 2 C) 3 D) 4 E) 5

7.
$$\begin{array}{r} KLK \\ + LKL \\ \hline 1MM1 \end{array} \quad M = ?$$

A) 1 B) 2 C) 3 D) 4 E) 5

8.
$$\begin{array}{r} M6KL \\ + K1LK \\ \hline 12L65 \end{array} \quad M = ?$$

A) 2 B) 3 C) 4 D) 5 E) 6



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TEST – 1

9.
$$\begin{array}{r} K\ 7\ 9 \\ -\ 6\ P\ L \\ \hline P\ 5\ 6 \end{array}$$
 $P = ?$

A) 1 B) 2 C) 3 D) 4 E) 5

10.
$$\begin{array}{r} A\ B \\ \times\ B \\ \hline A\ A\ C \end{array}$$
 $A = ?$

A) 1 B) 3 C) 5 D) 7 E) 9

11.
$$\begin{array}{r} 9\ D\ 5\ 6 \\ -\ A\ 8\ B\ A \\ \hline 6\ 0\ 8\ 3 \end{array}$$
 $A + B = ?$

A) 8 B) 9 C) 10 D) 11 E) 12

12.
$$\begin{array}{r} K\ K\ 3\ L \\ +\ M\ 6\ 5\ 8 \\ \hline P\ 2\ 5\ 9\ 3 \end{array}$$
 $K + L + M = ?$

A) 12 B) 13 C) 14 D) 15 E) 16

13.
$$\begin{array}{r} A\ B\ C\ 3 \\ D\ 5\ 8\ 7 \\ +\ 1\ F\ F\ 8 \\ \hline 9\ F\ 8\ 8 \end{array}$$
 $A + B + C + D + F = ?$

A) 19 B) 20 C) 21 D) 23 E) 24

14.
$$\begin{array}{r} C \\ +\ A \\ \hline D \end{array}$$
 $C = x^2$
 $D = y^2$ $A + D = 14$ $A \cdot y = ?$

A) 6 B) 8 C) 12 D) 15 E) 18

15.
$$\begin{array}{r} A\ A \\ \times\ A \\ \hline 9\ 9 \end{array}$$

$$\begin{array}{r} B\ C\ 1 \\ -\ A\ D\ D \\ \hline A\ A\ A \end{array}$$
 $A + B + C = ?$

A) 10 B) 11 C) 12 D) 13 E) 14

16.
$$\begin{array}{r} A\ B \\ -\ B\ A \\ \hline C \end{array}$$

$$\begin{array}{r} A \\ -\ B \\ \hline D \end{array}$$
 $C + D = ?$

A) 10 B) 11 C) 12 D) 13 E) 14

Cevap Anahtarı – Answer Sheet

1.C	2.E	3.C	4.C	5.C	6.C
7.B	8.D	9.B	10.A	11.C	12.E
13.B	14.D	15.C	16.A		



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TEST - 2

1.
$$\begin{array}{r} A B 7 6 5 1 \\ - C B 4 C A D \\ \hline 5 0 3 2 E 7 \end{array} \quad (A + E) - (C + D) = ?$$

- A) 3 B) 4 C) 5 D) 6 E) 7

5.
$$\begin{array}{r} M S E \mid 1 S \\ - 8 4 \mid E E \\ \hline 8 E \\ - 8 4 \\ \hline 3 \end{array} \quad M + S + E = ?$$

- A) 14 B) 15 C) 16 D) 17 E) 18

2.
$$\begin{array}{r} M S E \\ \times T E \\ \hline D S E \\ + T 7 E \\ \hline 4 T 7 E \end{array} \quad M + E + S + T = ?$$

- A) 9 B) 10 C) 11 D) 12 E) 13 A) 10 B) 11 C) 12 D) 13 E) 14

3.
$$\begin{array}{r} A B C D \\ + A B C D \\ \hline D B 6 1 \end{array} \quad B = ?$$

- A) 4 B) 5 C) 7 D) 8 E) 9 A) 4 B) 6 C) 7 D) 9 E) 11

4.
$$\begin{array}{r} M S 8 \\ \times S M \\ \hline E 0 S S \\ + E M 9 2 \\ \hline E S 9 6 S \end{array} \quad M + S + E = ?$$

- A) 7 B) 8 C) 9 D) 10 E) 11

8.
$$\begin{array}{r} M S E \\ \times 7 \\ \hline T 5 9 \end{array} \quad T \mid S = ?$$

- A) 1 B) M C) 2 D) S E) E



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TEST – 2

9.
$$\begin{array}{r} 52K \\ \times \quad L2 \\ \hline \dots 4 \\ + \dots \\ \hline 2\dots 3. \end{array}$$
 $K + L = ?$

A) 7 B) 8 C) 9 D) 10 E) 11

10.
$$\begin{array}{r} 9999099 \\ - \quad \quad \quad | A \\ \hline 0 \end{array}$$
 $A = ?$

A) 1101 B) 1100 C) 10001 D) 11101 E) 101001

11.
$$\begin{array}{r} \triangle \circ \\ + \square \star \\ \hline 6 \ 9 \end{array} \quad \begin{array}{r} \square \star \\ + \blacksquare \blacktriangle \\ \hline 1 \ 0 \ 8 \end{array} \quad \begin{array}{r} \blacksquare \blacktriangle \\ - \triangle \circ \\ \hline ? \end{array}$$

A) 17 B) 21 C) 29 D) 39 E) 49

12.
$$\begin{array}{r} A \\ + B \\ \hline 12 \end{array} \quad \begin{array}{r} B \\ + C \\ \hline 18 \end{array} \quad \begin{array}{r} A \\ + C \\ \hline 20 \end{array}$$

$A + B + C = ?$

A) 22 B) 23 C) 24 D) 25 E) 26

13.
$$\begin{array}{r} ABC \\ + ABC \\ \hline DEFG \end{array} \quad \begin{array}{r} DEFG \\ \hline 384 \end{array}$$

$A + B + C = ?$

A) 8 B) 9 C) 10 D) 11 E) 12

14.
$$\begin{array}{r} K L K \\ \times \quad L K \\ \hline M K M \\ + \quad K L K \\ \hline A B C 9 \end{array}$$
 $B \geq 0$

$A + B + C = ?$

A) 9 B) 10 C) 11 D) 12 E) 13

15.
$$\begin{array}{r} \bullet \\ + \blacktriangle \\ \hline 8 \end{array} \quad \begin{array}{r} \blacktriangle \\ + \blacksquare \\ \hline 12 \end{array} \quad \begin{array}{r} \blacksquare \\ + \bullet \\ \hline 14 \end{array}$$

$\bullet = ?$
 $\blacktriangle = ?$

A) (3,6) B) (2,6) C) (5,3) D) (3,5) E) (4,5)

16. $\star + 2 \cdot \blacksquare = 3 \cdot \blacktriangle$

$\blacksquare + \blacktriangle = \star$

$\frac{\blacksquare}{\blacktriangle} = ?$

A) $\frac{3}{2}$ B) $\frac{2}{3}$ C) $\frac{3}{5}$

D) $\frac{2}{5}$ E) $\frac{4}{3}$

Cevap Anahtarı – Answer Sheet

1.E	2.C	3.A	4.B	5.E	6.C
7.D	8.D	9.E	10.E	11.D	12.D
13.B	14.B	15.C	16.B		



1.
$$\begin{array}{r} A\ 1\ B \\ +\ B\ B \\ \hline 6\ C\ 4 \end{array}$$
 $A + B + C = ?$
- A) 21 B) 22 C) 23 D) 24 E) 25

5.
$$\begin{array}{r} \blacksquare\ 6\ \blacktriangle \\ -\ \blacksquare\ \blacksquare \\ \hline 0\ 6 \\ -\ 6 \\ \hline 0\ \blacksquare \\ -\ \blacksquare \\ \hline 0 \end{array}$$
 $\blacksquare = ?$

- A) 1 B) 2 C) 3 D) 4 E) 5

2.
$$\begin{array}{r} 8\ K\ 4\ L\ 7 \\ -\ 7\ L\ 8\ K\ 4 \\ \hline 1\ 4\ 5\ 5\ 3 \end{array}$$
 $K - L = ?$
- A) 2 B) 3 C) 4 D) 5 E) 6

6.
$$\begin{array}{r} A\ A\ B \\ \times\ B\ C \\ \hline D\ D\ 4 \\ +\ A\ A\ B \\ \hline 3\ E\ 9\ 4 \end{array}$$
 $E \geq 0$
 $A = ?$

A) 0 B) 1 C) 2 D) 4 E) 6

3.
$$\frac{(A\ B\ C) - (C\ B\ A)}{(A\ C) - (C\ A)} = ?$$

- A) 9 B) 10 C) 11 D) 33 E) 99

7.
$$\begin{array}{r} 5\ A \\ \times\ B\ C \\ \hline .\ 7 \\ +\ .\ .\ 5 \\ \hline D\ E\ F\ 7 \end{array}$$
 $D + E + F = ?$

- A) 6 B) 9 C) 10 D) 11 E) 12

4.
$$\begin{array}{r} A\ B\ B\ |\ 3B \\ -\ C\ D\ |\ 26 \\ \hline 2\ 4\ B \\ -\ D\ 1\ 6 \\ \hline 0\ 3\ 0 \end{array}$$
 $(A\ B\ B) = ?$

- A) 466 B) 577 C) 788
D) 899 E) 966

8.
$$\begin{array}{r} A\ B\ C \\ +\ D\ E\ F \\ \hline 8\ 7\ 0 \end{array}$$

$$\begin{array}{r} A\ B\ C \\ -\ D\ E\ F \\ \hline 3\ 8\ 0 \end{array}$$
 $(A\ B\ C) = ?$

- A) 610 B) 625 C) 635
D) 665 E) 670



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TEST – 3

9.

$$\begin{array}{r} L \\ + L \\ \hline KM \end{array} \quad \frac{(KM)}{N} = L \quad \text{ise } N = ?$$

- A) 2 B) 3 C) 4 D) 5 E) 6

10.

$$\begin{array}{r} AB4 \overline{)AB} \\ - \quad x \\ \hline y \end{array}$$

- A) 5 B) 7 C) 9 D) 10 E) 14

11.

$$\begin{array}{r} KL \\ + KL \\ \hline ML8 \end{array}$$

- A) 13 B) 12 C) 10 D) 9 E) 7

12.

$$\begin{array}{r} KL \\ x LK \\ \hline \cdot \cdot \\ + \cdot \cdot \cdot \\ \hline K45L \end{array} \quad \begin{array}{r} K \\ x L \\ \hline L \end{array} \quad L = ?$$

- A) 2 B) 4 C) 7 D) 8 E) 9

13.

K ≠ L olmak üzere

$$\begin{array}{r} KL \\ KL \\ + KL \\ \hline 1KK \end{array}$$

K + L = ?

- A) 10 B) 11 C) 12 D) 13 E) 14

14.

$$\begin{array}{r} K L K \\ x K N \\ \hline \cdot \cdot \cdot \cdot \\ + 504 \\ \hline 6048 \end{array}$$

L ≥ 0

N = ?

- A) 1 B) 2 C) 3 D) 4 E) 5

15.

$$\begin{array}{r} A \overline{)3} \\ - \quad x \\ \hline 2 \end{array}$$

$$\begin{array}{r} B \overline{)x} \\ - \quad 2 \\ \hline 5 \end{array}$$

A - B = 24
A + B = ?

- A) 59 B) 78 C) 83 D) 134 E) 142

16.

$$\begin{array}{r} XYZ \\ x 7K \\ \hline \cdot \cdot \cdot \cdot \\ + 4494 \\ \hline 48150 \end{array}$$

K = ?

- A) 1 B) 2 C) 3 D) 4 E) 5

Cevap Anahtarı – Answer Sheet

1.B	2.D	3.C	4.E	5.D	6.C
7.C	8.B	9.A	10.E	11.E	12.D
13.C	14.B	15.E	16.E		



HARFLİ İFADELER

TEST – 4

1.
$$\begin{array}{r} XX \\ YY \\ + ZZ \\ \hline 176 \end{array} \quad \begin{array}{r} XX \\ YY \\ + ZZ \\ \hline \end{array} \quad X + Y = ?$$

- A) 8 B) 10 C) 12 D) 14 E) 16

5.
$$\begin{array}{r} KK \\ KL \\ LK \\ + LL \\ \hline 308 \end{array} \quad K + L = ?$$

- A) 10 B) 12 C) 14 D) 16 E) 18

2.
$$\begin{array}{r} \quad ZYK \\ x \quad 7P \\ \hline + 4396 \\ \hline 45844 \end{array}$$

- A) 2 B) 3 C) 4 D) 8 E) 9

6.
$$\begin{array}{r} CD \\ x DC \\ \hline E1E \\ + C21 \\ \hline CC2E \end{array} \quad C = ?$$

- A) 4 B) 5 C) 6 D) 7 E) 8

3.
$$\begin{array}{r} K4 \\ x K \\ \hline KL \end{array} \quad \begin{array}{r} KKK \\ + K \\ \hline KL2 \end{array}$$

- A) 8 B) 6 C) 5 D) 3 E) 1

7.
$$\begin{array}{r} D \\ + E \\ \hline 30 \end{array} \quad \begin{array}{r} D \\ + F \\ \hline 90 \end{array} \quad \begin{array}{r} E \\ - F \\ \hline 20 \end{array} \quad D = ?$$

- A) 40 B) 50 C) 60 D) 70 E) 100

4.
$$\begin{array}{r|l} KLM & 2M \\ - 2M & NP \\ \hline 2R5 & \\ - 22M & \\ \hline 010 & \end{array} \quad K + L + M + N + P + R = ?$$

- A) 23 B) 25 C) 26 D) 28 E) 30

8.
$$\begin{array}{r} KL8 \\ + LKG \\ \hline 1004 \end{array} \quad \begin{array}{r} KL8 \\ - LK \\ \hline 404 \end{array} \quad \begin{array}{r} KL \\ x LK \\ \hline ? \end{array}$$

- A) 2430 B) 2340 C) 2130
D) 2040 E) 2268



9.
$$\begin{array}{r} .6 \\ \times 5. \\ \hline .4. \\ + . . . \\ \hline .6.4 \end{array} = ?$$

- A) 3624 B) 2694 C) 5644
D) 4644 E) 9624

10.
$$\begin{array}{r} MKK \\ + M \\ \hline E00 \end{array} \quad E = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5

11.
$$\begin{array}{r} 8KP \mid 2L \\ - T2 \mid 3L \\ \hline 9P \\ - 9P \\ \hline 0 \end{array} \quad P = ?$$

- A) 2 B) 3 C) 5 D) 6 E) 8

12.
$$\begin{array}{r} .2. \mid 7 \\ - 2. \mid ?? \\ \hline 4. \\ - . . \\ \hline 0 \end{array}$$

- A) 43 B) 44 C) 45 D) 47 E) 48

13.
$$\begin{array}{r} CA6 \mid CD \\ - CD \mid CD \\ \hline 26 \\ - D4 \\ \hline 2 \end{array} \quad A = ?$$

- A) 4 B) 3 C) 2 D) 1 E) 0

14.
$$\begin{array}{r} CAD9 \mid DD \\ - CC \mid CRA \\ \hline RD \\ - RR \\ \hline A9 \\ - AA \\ \hline 2 \end{array} \quad D = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5

15.
$$\begin{array}{r} ABC \\ - DAF \\ \hline 312 \end{array} \quad \begin{array}{r} ABC \\ + DAF \\ \hline 840 \end{array} \quad D + A + F = ?$$

- A) 9 B) 11 C) 12 D) 13 E) 15

16.
$$\begin{array}{r} 5AB \mid B5 \\ - . . \mid 7 \\ \hline 3 \end{array} \quad A = ?$$

- A) 5 B) 6 C) 7 D) 8 E) 9

Cevap Anahtarı – Answer Sheet

1.A	2.B	3.C	4.E	5.C	6.C
7.D	8.A	9.D	10.B	11.D	12.D
13.A	14.A	15.C	16.E		



HARFLİ İFADELER

TEST – 5

1.
$$\begin{array}{r} 1K5 \\ \times 1S \\ \hline E5A \\ + 1K5 \\ \hline S1AA \end{array}$$
 $A \geq 0$
 $E = ?$
A) 3 B) 4 C) 6 D) 7 E) 8

5.
$$\begin{array}{r} KLM \\ - \dots \\ \hline 4. \\ - 36 \\ \hline 05 \end{array}$$

 $K + L + M = ?$
A) 10 B) 11 C) 12 D) 13 E) 14

2.
$$\begin{array}{r} KLM \\ \times 3N \\ \hline SMB \\ + 549 \\ \hline TBB2 \end{array}$$
 $T + L + N = ?$
A) 12 B) 16 C) 18 D) 21 E) 22

6.
$$\begin{array}{r} KLM \\ + ABC \\ \hline 1524 \end{array}$$

$$\begin{array}{r} KLM \\ - ABC \\ \hline 226 \end{array}$$

 $K + L + M = ?$
A) 20 B) 18 C) 16 D) 14 E) 12

3.
$$\begin{array}{r} K L K \\ - KL \\ \hline 564 \end{array}$$
 $K + L = ?$
A) 7 B) 8 C) 9 D) 11 E) 13

7.
$$\begin{array}{r} 7K \\ \times LM \\ \hline 30. \\ + \dots \\ \hline 480. \end{array}$$
 $K + L + M = ?$
A) 12 B) 13 C) 14 D) 15 E) 16

4.
$$\begin{array}{r} K \\ - 4 \\ \hline 7 \end{array}$$

$$\begin{array}{r} L \\ - 5 \\ \hline 8N \end{array}$$

$$\begin{array}{r} K \\ - S \\ \hline 28 \end{array}$$

 $S = ?$
A) 9 B) 10 C) 11 D) 12 E) 13

8.
$$\begin{array}{r} \triangle \blacksquare \star \\ \times 7 \bullet \\ \hline \dots \\ + 1652 \\ \hline 17464 \end{array}$$
 $\bullet = ?$
A) 4 B) 6 C) 7 D) 8 E) 9



9.
$$\begin{array}{r} \blacksquare \blacktriangle \bullet \star \\ - \blacksquare \star \\ \hline 03 \bullet \\ - 30 \\ \hline 0 \bullet \end{array} \quad \begin{array}{l} 9N \\ \blacksquare = ? \end{array}$$

- A) 3 B) 4 C) 5 D) 6 E) 7

10.
$$\begin{array}{r} KLM \\ + MLK \\ \hline 204K \end{array} \quad K = ?$$

- A) 5 B) 6 C) 7 D) 8 E) 9

11.
$$\begin{array}{r} KLM \\ + LKM \\ \hline 56L \end{array} \quad K + L = ?$$

- A) 4 B) 5 C) 6 D) 7 E) 8

12.
$$\begin{array}{r} KLM \\ \times LM \\ \hline PLM \\ + LMO \\ \hline 32LM \end{array} \quad K + L + M = ?$$

- A) 12 B) 11 C) 10 D) 9 E) 8

13.
$$\begin{array}{r} KLM \\ \times K6 \\ \hline MMM \\ + KLM \\ \hline SP6M \end{array} \quad S + P = ?$$

- A) 3 B) 4 C) 5 D) 6 E) 7

14.
$$\begin{array}{r} AB \\ BA \\ CD \\ DC \\ EF \\ FE \\ + FE \\ \hline 231 \end{array} \quad A + B + C + D + E + F = ?$$

- A) 11 B) 21 C) 23 D) 31 E) 41

15.
$$\begin{array}{r} \blacktriangle \bullet \star \\ \times \star \\ \hline 192 \end{array} \quad \begin{array}{r} \blacktriangle \bullet \\ \times \blacksquare \\ \hline 448 \end{array} \quad \begin{array}{r} \blacktriangle \bullet \\ + \star \blacksquare \\ \hline ? \end{array}$$

- A) 98 B) 101 C) 123 D) 186 E) 202

16.
$$\begin{array}{r} K L K \\ + L K L \\ \hline 1 T T 1 \end{array} \quad T = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5

Cevap Anahtarı – Answer Sheet

1.A	2.C	3.B	4.C	5.E	6.C
7.D	8.A	9.B	10.D	11.B	12.E
13.C	14.B	15.B	16.B		



1.
$$\begin{array}{r} \bullet \\ + \quad b \\ \hline a \end{array} \quad \begin{array}{r} c \\ + \quad \bullet \\ \hline d \end{array} \quad \begin{array}{r} \bullet \\ + \quad d \\ \hline b \end{array}$$

 $\bullet = 1 \Rightarrow a, b, c, d = ?$

- A) 3, 6, 7, 5 B) 2, 3, 5, 9
C) 8, 7, 5, 6 D) 6, 5, 3, 2
E) 5, 6, 7, 8

2.
$$\begin{array}{r} \text{MMN} \\ \times \quad \text{M4} \\ \hline 904 \\ + \quad \text{EF2} \\ \hline \text{FE2E} \end{array}$$

$(E + F) - (M + N) = ?$

- A) 1 B) 2 C) 3 D) 4 E) 5

3. $KL + LK + KK + LL = 154$
 $\max(KL) = ?$

- A) 25 B) 43 C) 52 D) 61 E) 70

4.
$$\begin{array}{r} K \quad | \quad L \\ \hline 6 \quad | \quad 3 \end{array} \quad \begin{array}{r} M \quad | \quad L \\ \hline 7 \quad | \quad 4 \end{array} \quad \begin{array}{r} M \quad | \quad K \\ \hline 12 \quad | \quad 1 \end{array}$$

$K = ?$

- A) 11 B) 39 C) 47 D) 51 E) 62

5.
$$\begin{array}{r} 1K8 \quad | \quad B5 \\ \hline \dots \quad | \quad 7 \\ \hline 3 \end{array} \quad \begin{array}{l} K \neq 0 \\ K = ? \end{array}$$

- A) 5 B) 6 C) 7 D) 8 E) 9

6.
$$\begin{array}{r} K \quad | \quad L \\ \hline 9 \quad | \quad 17 \end{array} \quad \begin{array}{r} L \quad | \quad M \\ \hline 5 \quad | \quad 3 \end{array} \quad \begin{array}{r} K \quad | \quad M \\ \hline 4 \quad | \quad 66 \end{array}$$

$M = ?$

- A) 4 B) 5 C) 6 D) 7 E) 8

7.
$$\begin{array}{r} K \quad | \quad 6 \\ \hline 5 \quad | \quad y \end{array} \quad \begin{array}{r} K \quad | \quad 7 \\ \hline 0 \quad | \quad y-1 \end{array}$$

$K = ?$

- A) 62 B) 67 C) 77 D) 84 E) 91

8.
$$\begin{array}{r} K \quad | \quad 2 \\ \hline 0 \quad | \quad L \end{array} \quad \begin{array}{r} L \quad | \quad 3 \\ \hline 2 \quad | \quad T \end{array} \quad \begin{array}{r} K \quad | \quad T \\ \hline a \quad | \quad \end{array}$$

$a = ?$

- A) 4 B) 5 C) 6 D) 7 E) 9



9.

$$\begin{array}{r} KLL \quad | \quad KT \\ - \quad KT \quad | \quad KT \\ \hline 02L \\ - \quad 2L \\ \hline 000 \end{array}$$

(T ≠ 0) K + L + T = ?

- A) 11 B) 10 C) 9 D) 8 E) 7

10.

$$\begin{array}{r} 94 \quad | \quad KK \\ - \quad L \quad | \quad 8 \\ \hline \end{array}$$

L = ?

- A) 3 B) 4 C) 5 D) 6 E) 7

11.

$$\begin{array}{r} KK \\ KL \\ LK \\ + LL \\ \hline 264 \end{array}$$

min(KL) = ?

- A) 57 B) 48 C) 39 D) 25 E) 16

12.

$$\begin{array}{r} K \quad | \quad y \\ - \quad y-1 \quad | \quad m \\ \hline \end{array}$$

$$\begin{array}{r} L \quad | \quad y \\ - \quad 0 \quad | \quad m+1 \\ \hline \end{array}$$

K + L toplamının K türünden değeri nedir?

- A) 3K - 1 B) K + 1 C) 2K + 1
-
- D) 2K E) 3K

13.

$$\frac{K}{M} + 2 = \frac{5}{2} \quad \min(K) = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5

14.

$$\begin{array}{r} K \quad | \quad L \\ - \quad 3 \quad | \quad 4 \\ \hline \end{array}$$

$$\begin{array}{r} L \quad | \quad M \\ - \quad 1 \quad | \quad 3 \\ \hline \end{array}$$

K = ?

- A) 12M + 7 B) 11M + 3 C) 6M + 3
-
- D) 4M + 1 E) 3M + 2

15.

$$\begin{array}{r} K \quad | \quad L \\ - \quad 3 \quad | \quad m+1 \\ \hline \end{array}$$

L = ?

- A)
- $\frac{K-3}{m+1}$
- B)
- $\frac{K}{m+1} - 3$
- C)
- $\frac{K-(m+1)}{3}$
-
- D) K - m + 2 E) K + m - 2

16.

$$\begin{array}{r} KL \quad | \quad LK \\ - \quad 3 \quad | \quad 4 \\ \hline \end{array}$$

K + L = ?

- A) 6 B) 7 C) 8 D) 10 E) 11

Cevap Anahtarı – Answer Sheet

1.C	2.A	3.E	4.B	5.D	6.C
7.C	8.A	9.E	10.D	11.A	12.C
13.A	14.A	15.A	16.C		



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TEST - 7

1.
$$\begin{array}{r} K \mid B \\ - : \mid 6 \\ \hline 3 \end{array}$$

$$\begin{array}{r} B \mid 5 \\ - : \mid C \\ \hline 4 \end{array}$$

K sayısının birler basamağı kaçtır?

- A) 3 B) 4 C) 5 D) 6 E) 7

2.
$$\begin{array}{r} K \mid L \\ - : \mid 12 \\ \hline 7 \end{array}$$

En küçük (minimum) K sayısı nedir?

- A) 67 B) 89 C) 96 D) 103 E) 113

3.
$$\begin{array}{r} XY6 \\ + X2Y \\ \hline Y0X \end{array}$$

X = ?

- A) 1 B) 2 C) 3 D) 4 E) 5

4.
$$\begin{array}{r} 2YX \\ YXX \\ + 8X5 \\ \hline 1XXX \end{array}$$

X = ?

- A) 1 B) 2 C) 3 D) 4 E) 5

5.
$$\begin{array}{r} AAA \\ + B \\ \hline BCCC \end{array}$$

C ≥ 0
A = ?

- A) 9 B) 8 C) 7 D) 6 E) 5

6.
$$\begin{array}{r} 8CD \\ - 4D6 \\ \hline 4DC \end{array}$$

C = ?

- A) 4 B) 5 C) 6 D) 7 E) 8

7.
$$\begin{array}{r} 57K2 \\ - 1KKL \\ \hline K2L3 \end{array}$$

L = ?

- A) 9 B) 8 C) 7 D) 6 E) 5

8.
$$\begin{array}{r} 3XY \\ \times YX \\ \hline 218Y \\ + 1Y5X \\ \hline 1X7YY \end{array}$$

Y = ?

- A) 5 B) 4 C) 3 D) 2 E) 1



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TEST - 7

9.

$$\begin{array}{r} \text{KLB} \\ \times \quad \text{LK} \\ \hline \text{C0LL} \\ + \text{CK92} \\ \hline \text{CL96L} \end{array}$$

$$K + L + C = ?$$

- A) 6 B) 7 C) 8 D) 9 E) 10

10.

$$\begin{array}{r} \text{ABC} \\ \times \quad \text{BD} \\ \hline 1262 \\ + 1ZYB \\ \hline 20192 \end{array}$$

$$C + A \times B = ?$$

- A) 13 B) 17 C) 18 D) 19 E) 21

11.

$$\begin{array}{r} \text{AB} \\ \times \quad \text{CC} \\ \hline \text{BD} \\ + \quad \text{BD} \\ \hline 107D \end{array}$$

$$A + B + D = ?$$

- A) 7 B) 12 C) 15 D) 18 E) 21

12.

$$\begin{array}{r} \text{AB} \\ \times \quad \text{BA} \\ \hline \text{CD} \\ + \text{A24} \\ \hline 2296 \end{array}$$

$$B = ?$$

- A) 2 B) 3 C) 7 D) 8 E) 9

13.

$$\begin{array}{r} \text{XXX} \\ \times \quad \text{YV} \\ \hline \text{666} \\ + \text{799Y} \\ \hline \end{array}$$

$$V = ?$$

- A) 3 B) 4 C) 5 D) 6 E) 7

14.

$$\begin{array}{r} \text{X7Y3} \mid \text{Z6} \\ - \text{XXY} \mid \text{Y8} \\ \hline 0Z03 \\ - \text{YYB} \\ \hline \text{ZZ} \end{array}$$

$$Y = ?$$

- A) 1 B) 2 C) 4 D) 5 E) 7

15.

$$\begin{array}{r} \text{A1BA} \mid \text{CB} \\ - 18C \mid \text{C7} \\ \hline 03AA \\ - 3AA \\ \hline 000 \end{array}$$

$$C = ?$$

- A) 8 B) 7 C) 6 D) 4 E) 2

16.

$$\begin{array}{r} \text{XYZ} \mid 1Y \\ - 84 \mid \text{ZZ} \\ \hline 08Z \\ - 84 \\ \hline 03 \end{array}$$

$$X = ?$$

- A) 7 B) 8 C) 9 D) 10 E) 11

Cevap Anahtarı – Answer Sheet

1.E	2.D	3.C	4.E	5.A	6.D
7.A	8.B	9.C	10.D	11.E	12.D
13.B	14.C	15.D	16.C		



1.
$$\begin{array}{r} \text{XYZXYZ} \\ - \quad \quad \quad \\ \hline 0 \end{array} \quad \begin{array}{r} \text{XYZ} \\ \hline ? \end{array}$$

- A) 1 B) 11 C) 101 D) 110 E) 1001

5.
$$\begin{array}{r} \text{■ ▲ ●} \\ \times \quad \text{A } 5 \\ \hline + \quad 1 \ 9 \ 4 \ 4 \ . \\ \hline 2 \ 1 \ 0 \ 6 \ 0 \end{array}$$

A = ?

- A) 3 B) 4 C) 5 D) 6 E) 7

2.
$$\begin{array}{r} \text{MNN} \\ - \text{AA} \\ \hline 17\text{N} \\ - 1\text{A}5 \\ \hline 8 \end{array}$$

$$\begin{array}{r} \text{MNN} \\ + \quad \quad \quad \\ \hline ? \end{array}$$

- A) 825 B) 833 C) 858 D) 844 E) 866

6.
$$\begin{array}{r} \text{KLK} \\ + \quad \text{1KL} \\ \hline \text{L32} \end{array}$$

K = ?

- A) 3 B) 4 C) 5 D) 6 E) 7

3.
$$\begin{array}{r} \text{CC} \\ \times \quad \text{AA} \\ \hline 1\text{A}2 \\ + \quad 1\text{A}2 \\ \hline 1452 \end{array}$$

(CAC) = ?

7.
$$\begin{array}{r} \text{KLM} \\ - \quad \text{MLK} \\ \hline \text{MP8} \end{array}$$

P = ?

- A) 212 B) 343 C) 434 D) 525 E) 626

- A) 0 B) 3 C) 5 D) 7 E) 9

4.
$$\begin{aligned} A + B &= 2C \\ Y &= C - 1 \end{aligned}$$

$$\frac{2A + 2B}{Y + 1} = ?$$

- A) 6 B) 5 C) 4 D) 3 E) 2

8.
$$\begin{array}{r} \text{KL} \\ \text{LM} \\ + \quad \text{MN} \\ \hline 1\text{MN} \end{array} \quad \begin{array}{r} \text{LK} \\ \text{ML} \\ + \quad ? \\ \hline \end{array}$$

- A) 119 B) 109 C) 100 D) 99 E) 90



9.
$$\begin{array}{r} \text{AA} \\ \times \text{A} \\ \hline \text{BAC} \end{array} \quad \begin{array}{r} \text{AC} \\ \times \text{A} \\ \hline \text{BCA} \end{array} \quad \text{A} + \text{B} + \text{C} = ?$$

- A) 15 B) 16 C) 17 D) 18 E) 19

10.
$$\begin{array}{r} \text{KK} \\ \times \text{K} \\ \hline \text{LL} \end{array} \quad \begin{array}{r} \text{LL} \\ \times \text{K} \\ \hline \text{MM} \end{array} \quad \begin{array}{r} \text{MM} \\ + \text{LL} \\ \hline ? \end{array}$$

- A) 154 B) 132 C) 121 D) 110 E) 33

11.
$$\begin{array}{r} 1021028 \\ - \quad \quad \quad \\ \hline \text{B} \end{array} \quad \begin{array}{r} 102 \\ \text{A} \end{array} \quad \text{A} + \text{B} = ?$$

- A) 11 B) 19 C) 118 D) 1009 E) 10018

12.
$$\begin{array}{r} \text{KK} \\ - \text{LL} \\ \hline \text{MM} \end{array} \quad \begin{array}{r} \text{KK} \\ + \text{LL} \\ \hline \text{MM} \end{array} \quad \text{M} + \text{L} = ?$$

- A) 5 B) 6 C) 7 D) 8 E) 9

13.
$$\begin{array}{r} \text{KLM} \\ \text{MLK} \\ + \text{LKM} \\ \hline 1\text{K}6\text{K} \end{array} \quad \text{L} = ?$$

- A) 3 B) 4 C) 5 D) 7 E) 8

14.
$$\begin{array}{r} \text{KK} \\ \times \text{LL} \\ \hline \dots \\ + \dots \\ \hline 4235 \end{array} \quad \text{K} + \text{L} = ?$$

- A) 10 B) 12 C) 14 D) 15 E) 16

15.
$$\begin{array}{r} \text{KLM} \\ \text{KNL} \\ + \text{KMN} \\ \hline 9\text{KK} \end{array} \quad \text{M} \times \text{L} \times \text{N} = ?$$

- A) 6 B) 4 C) 3 D) 1 E) 0

16.
$$\begin{array}{r} \text{KL} \\ \times \text{L} \\ \hline \text{ML} \end{array} \quad \begin{array}{r} \text{KN} \\ \times \text{N} \\ \hline \text{PN} \end{array} \quad \text{K} + \text{P} + \text{M} = ?$$

- A) 12 B) 13 C) 16 D) 17 E) 19

Cevap Anahtarı – Answer Sheet

1.E	2.E	3.C	4.C	5.D	6.C
7.E	8.B	9.D	10.B	11.E	12.E
13.B	14.B	15.E	16.D		



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TEST - 9

1.
$$\begin{array}{r} \text{KK} \\ \times \text{K} \\ \hline \text{LL} \end{array} \quad \begin{array}{r} \text{KK} \\ + \text{LL} \\ \hline \text{MM} \end{array} \quad \frac{\text{MLM}}{\text{K}} = ?$$
- A) 242 B) 323 C) 424
D) 484 E) 646

5.
$$\frac{\text{LL}}{\text{K}} = \text{KK} \quad \frac{\text{MM}}{\text{L}} = \text{KK}$$
- $\text{K} + \text{L} + \text{M} = ?$
- A) 14 B) 12 C) 10 D) 8 E) 6

2.
$$\begin{array}{r} \text{KL} \\ \times \text{L} \\ \hline 336 \end{array} \quad \begin{array}{r} \text{MN} \\ \times \text{N} \\ \hline 679 \end{array} \quad \text{K} + \text{L} + \text{M} + \text{N} = ?$$
- A) 16 B) 20 C) 23 D) 27 E) 29

6.
$$\begin{array}{r} \text{AB} \\ \times \text{B} \\ \hline \text{CB} \end{array} \quad \begin{array}{r} \text{AD} \\ \times \text{D} \\ \hline \text{ED} \end{array} \quad \text{B} \times \text{D} = ?$$
- A) 16 B) 20 C) 24 D) 30 E) 35

3.
$$\frac{\text{MLM}}{\text{LM}} = 21$$
- $\text{L} + \text{M} = ?$
- A) 3 B) 5 C) 7 D) 9 E) 11

7.
$$\begin{array}{r} \text{KLM} \\ + \text{LM} \\ \hline 258 \end{array} \quad \text{K} + \text{L} + \text{M} = ?$$
- A) 16 B) 15 C) 14 D) 12 E) 10

4.
$$\begin{array}{r} \text{KL} \\ \times \text{LM} \\ \hline \text{KL} \\ + \text{TK} \\ \hline \text{TTL} \end{array} \quad \text{T} = ?$$
- A) 2 B) 4 C) 6 D) 8 E) 9

8.
$$\begin{array}{r} \text{KLM} \\ + \text{NKL} \\ \hline 723 \end{array} \quad \begin{array}{r} \text{KLM} \\ - \text{NKL} \\ \hline 411 \end{array}$$
- $(\text{K} + \text{L} + \text{M}) - (\text{N} + \text{K} + \text{L}) = ?$
- A) 3 B) 5 C) 6 D) 7 E) 9



9.
$$\begin{array}{r} \text{KL} \\ \times \text{LK} \\ \hline \text{NM} \\ + 18\text{P} \\ \hline 19\text{MM} \end{array} \quad \begin{array}{r} \text{LK} \\ - \text{KL} \\ \hline 45 \end{array} \quad \text{N} + \text{P} = ?$$

A) 12 B) 14 C) 18 D) 19 E) 24

10. $\frac{K+L}{M} = 1$, $\frac{M}{L} = 3$, $\frac{K}{L} = L$

$K + L + M = ?$

A) 6 B) 10 C) 12 D) 14 E) 18

11.
$$\begin{array}{r} \triangle \blacksquare \star \\ \times 7 \bullet \\ \hline \cdot \cdot \cdot \cdot \\ + 1652 \\ \hline 18644 \end{array} \quad \triangle + \triangle + \blacksquare + \star + \bullet + \bullet = ?$$

A) 7 B) 8 C) 9 D) 10 E) 12

12.
$$\begin{array}{r} \text{A B C} \\ \times 46 \\ \hline \text{D 7 5 8} \\ + \text{D D 7 A} \\ \hline \text{D C 4 7 8} \end{array} \quad \frac{\text{C} \cdot \text{B} - \text{A}}{\text{C} + \text{A}} = ?$$

A) 3 B) 4 C) 5 D) 7 E) 8

13.
$$\begin{array}{r} 23 \triangle \\ \times 1 \blacksquare 2 \\ \hline \triangle 68 \\ 11 \star \bullet \\ + 23 \triangle \\ \hline 3 \blacksquare \blacksquare 68 \end{array} \quad \blacksquare + \triangle + \star + \bullet = ?$$

A) 10 B) 12 C) 15 D) 16 E) 17

14.
$$\begin{array}{r} \square \triangle \\ \times \triangle \square \\ \hline \bullet 4 \square \\ + \square \triangle \\ \hline \triangle 4 \blacksquare \square \end{array} \quad \bullet + \square + \blacksquare \rightarrow ?$$

A) 14 B) 15 C) 17 D) 19 E) 20

15.
$$\begin{array}{r} 1 \square \square \\ \times 2 \square \\ \hline \triangle \triangle \square \\ + \blacksquare \blacksquare 2 \\ \hline \triangle \blacksquare 1 \square \end{array} \quad \blacksquare + \triangle + \square \rightarrow ?$$

A) 12 B) 13 C) 14 D) 16 E) 17

16.
$$\begin{array}{r} \text{B 3 A} \\ + \text{B B A} \\ \hline \text{C B 2 A} \end{array} \quad \text{A} + \text{B} + \text{C} = ?$$

A) 8 B) 10 C) 12 D) 14 E) 16

Cevap Anahtarı – Answer Sheet

1.B	2.D	3.C	4.D	5.A	6.D
7.C	8.C	9.B	10.C	11.D	12.C
13.D	14.D	15.D	16.B		



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TEST – 10

1.
$$\begin{array}{r} \text{A B C} \\ + \text{C B A} \\ \hline \text{B D E D} \end{array}$$
 B, E = ?
- A) 3,1 B) 4,5 C) 1,2
D) 1,4 E) 2,5
2.
$$\begin{array}{r} \star \\ + \text{O} \\ \hline 16 \end{array} \quad \begin{array}{r} \square \\ + \star \\ \hline 12 \end{array} \quad \begin{array}{r} \text{O} \\ - \square \\ \hline ? \end{array}$$
- A) 2 B) 3 C) 4 D) 5 E) 6
3.
$$\begin{array}{l} \text{O} \times \text{O} = \Delta \\ \Delta - \text{O} = 3 \times \text{O} \end{array}$$
 O = ?
- A) 1 B) 2 C) 3 D) 4 E) 5
4.
$$\begin{array}{r} \text{a b} \\ \times \text{c 3} \\ \hline \text{1. 6} \\ + \text{1. 6} \\ \hline \text{1. . 7} \end{array}$$
 a + b + c = ?
- A) 11 B) 13 C) 15 D) 17 E) 19
5.
$$\begin{array}{r} 4ab \\ - \quad \quad \\ \hline 13 \end{array} \quad \begin{array}{r} ab \\ | 10 \\ \hline \end{array}$$
 a + b = ?
- A) 15 B) 13 C) 10 D) 7 E) 6
6.
$$\begin{array}{r} x \\ - 7 \\ \hline y \end{array} \quad \begin{array}{r} y \\ - 4 \\ \hline z \end{array} \quad \begin{array}{r} z \\ - 3 \\ \hline v \end{array}$$
 x - v = ?
- A) 14 B) 10 C) 8 D) 7 E) 6
7.
$$\begin{array}{r} 276 \\ - \quad \quad \\ \hline c \end{array} \quad \begin{array}{r} ab \\ | 18 \\ \hline \end{array}$$
 a + b + c = ?
- A) 8 B) 10 C) 12 D) 18 E) 20
8.
$$\begin{array}{r} \text{a b} \\ \times \text{. 7} \\ \hline \text{. c.} \\ + \text{8 d} \\ \hline \text{. . d 1} \end{array}$$
 c ≥ 0
a + b + c + d = ?
- A) 12 B) 13 C) 14 D) 15 E) 18



HARFLİ İFADELER

TEST – 10

9.
$$\begin{array}{r} \text{LKK} \\ - \text{..} \\ \hline 2\text{K} \\ - 2\text{K} \\ \hline 0 \end{array} \quad \begin{array}{l} 12 \\ 6\text{M} \end{array} \quad \text{K} + \text{L} + \text{M} = ?$$

- A) 7 B) 9 C) 12 D) 13 E) 14

10.
$$\begin{array}{r} a\ c \\ b\ a \\ + \text{..} \\ \hline a \\ 1\ 0\ 4 \end{array} \quad \text{max}(a \cdot b) - \text{min}(a \cdot b) = ?$$

- A) 11 B) 18 C) 20 D) 24 E) 28

11.
$$\begin{array}{r} \text{ML} \\ - \text{..} \\ \hline 0 \end{array} \quad \begin{array}{r} \text{KL} \\ \text{L} \end{array} \quad \begin{array}{r} \text{PN} \\ - \text{..} \\ \hline 0 \end{array} \quad \begin{array}{r} \text{KN} \\ \text{N} \end{array} \quad \text{M} + \text{P} + \text{K} = ?$$

- A) 14 B) 15 C) 17 D) 19 E) 21

12.
$$\begin{array}{r} A \\ - \text{..} \\ \hline 3 \end{array} \quad \begin{array}{r} B \\ B-2 \end{array} \quad \begin{array}{r} A \\ - \text{..} \\ \hline 0 \end{array} \quad \begin{array}{r} B+3 \\ B-3 \end{array} \quad A = ?$$

- A) 17 B) 19 C) 21 D) 23 E) 27

13.
$$\begin{array}{r} 78a \\ - \text{..} \\ \hline a \\ - \text{..} \\ \hline 14 \end{array} \quad \begin{array}{l} 25 \\ bc \end{array} \quad a + b + c = ?$$

- A) 11 B) 12 C) 13 D) 14 E) 15

14.
$$\begin{array}{r} mm \\ + \text{..} \\ \hline k\ k \end{array} \quad \begin{array}{r} k\ k \\ mm \\ + \text{..} \\ \hline 132 \end{array} \quad k = ?$$

- A) 2 B) 3 C) 4 D) 5 E) 6

15.
$$\begin{array}{r} a\ b\ b\ a \\ - \text{..} \\ \hline 3 \end{array} \quad \begin{array}{r} a\ b \\ 102 \end{array} \quad a + b = ?$$

- A) 7 B) 8 C) 9 D) 11 E) 12

16.
$$\begin{array}{r} K\ L\ M \\ \times \text{..} \\ \hline M\ N\ 8\ M \\ + \text{..} \\ \hline 3\ 0\ 5\ L \\ 3\ 5\ 1\ M\ M \end{array} \quad K + L + M = ?$$

- A) 13 B) 14 C) 15 D) 16 E) 17

Cevap Anahtarı – Answer Sheet

1.C	2.C	3.B	4.C	5.D	6.A
7.C	8.B	9.D	10.C	11.C	12.E
13.C	14.E	15.D	16.E		

5. BÖLÜM

DENKLEM TABLOLARI







DENKLEM TABLOLARI

TEST - 1

1.

+	a	b	c
a			4b
b	5a	40	
c			

$$c - (a + b) = ?$$

- A) 47 B) 48 C) 49 D) 50 E) 51

2.

+	a	b	c
a		17	
b			15
c	16		

$$2a - c + b = ?$$

- A) 11 B) 13 C) 15 D) 17 E) 19

3.

+	a	b	c
a	16		
b			3a
c			20

$$2b + c - a = ?$$

- A) 28 B) 30 C) 32 D) 34 E) 35

4.

+	a	b	c
a			14
b	$\frac{8c}{5}$		$2c+2$
c			20

$$a + b + c = ?$$

- A) 26 B) 30 C) 32 D) 36 E) 40

5.

+	a	b	c
a			17
b	16		
c	30	21	

$$a + c - b = ?$$

- A) 4 B) 5 C) 6 D) 7 E) 8

6.

+	a	b	c
a		20	
b			4b
c	36		

$$\frac{c}{b} \cdot a = ?$$

- A) 24 B) 28 C) 30 D) 34 E) 36



DENKLEM TABLOLARI

TEST – 1

7.

+	a	b	c
a		4b	
b			3b
c	15		

$$a \cdot b + c = ?$$

- A) 32 B) 33 C) 34 D) 35 E) 36

8.

+	a	b	c
a	3b		
b			18
c	21		

$$a + b = ?$$

- A) 13 B) 14 C) 15 D) 16 E) 18

9.

+	a	b	c
a			
b		24	20
c	10		

$$\frac{b}{a \cdot c} = ?$$

- A) $\frac{3}{8}$ B) $\frac{3}{4}$ C) $\frac{7}{8}$ D) $\frac{5}{4}$ E) $\frac{9}{4}$

10.

+	a	b	c
a	10		
b			27
c			4a

$$b - (a + c) = ?$$

- A) 4 B) 3 C) 2 D) 1 E) 0

11.

x	a	b	c
a	b		
b		c	
c			100

$$a = ?$$

- A) $\sqrt[4]{10}$ B) $\sqrt{10}$ C) 10 D) 4 E) 8

12.

x	a	b	c
a	16	12	
b			
c	28		

$$b \cdot c = ?$$

- A) 24 B) 21 C) 18 D) 15 E) 12

Cevap Anahtarı – Answer Sheet

1.D	2.E	3.B	4.A	5.D	6.E
7.B	8.C	9.B	10.C	11.A	12.B



DENKLEM TABLOLARI

TEST - 2

1.

x	a	b	c
a		28	
b			56
c	32		

$$a + c = ?$$

- A) 12 B) 16 C) 17 D) 18 E) 19

2.

x	a	b	c
a		12	
b			
c	28		

$$b - c = ?$$

- A) -4 B) -1 C) 3 D) 4 E) 7

3.

x	a	b	c
a			64
b			
c		32	

$$a = ?$$

- A) b B) $2b$ C) $\frac{b}{2}$ D) $\sqrt{b}$ E) b^3

4.

x	a	b	c
a			$7c$
b	35		
c		15	

$$a + b + c = ?$$

- A) 11 B) 12 C) 13 D) 14 E) 15

5.

x	a	b	c
a			$8c$
b	$6a$		
c		$2b$	

$$(a + b) \cdot c = ?$$

- A) 28 B) 30 C) 32 D) 34 E) 36

6.

x	a	b	c
a		a	
b			9
c	18		

$$a + b + c = ?$$

- A) 10 B) 11 C) 12 D) 13 E) 14



DENKLEM TABLOLARI

TEST - 2

7.

x	a	b	c
a	25		
b			24
c	30		

$$(a + b) - c = ?$$

- A) 3 B) 4 C) 5 D) 6 E) 7

8.

x	a	b	c
a	5a		
b		7b	
c			8c

$$a + b - c = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5

9.

x	a	b	c
a			20
b	32		
c		40	

$$\frac{b \cdot c}{a} = ?$$

- A) 8 B) 10 C) 12 D) 14 E) 16

10.

x	a	b	c
a	16		
b	20		35
c			

$$a + b = ?$$

- A) 9 B) 10 C) 11 D) 12 E) 13

11.

x	a	b	c
a			28
b	20		35
c			
d			63

$$d = ?$$

- A) 7 B) 8 C) 9 D) 10 E) 11

12.

x	a	b	c
a		16	
b			
c	48		

$$\frac{c}{b} = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5

Cevap Anahtarı – Answer Sheet

1.A	2.A	3.B	4.E	5.A	6.C
7.A	8.D	9.B	10.A	11.C	12.C



1.

x	a	b	c
a			42
b	24		28
c			

$$a + b + c = ?$$

- A) 12 B) 14 C) 17 D) 21 E) 23

2.

x	a	b	c
a			45
b			
c	10	18	

$$a + b + c = ?$$

- A) 15 B) 16 C) 17 D) 18 E) 19

3.

x	a	b	c
a		14	
b		49	
c	20		

$$b + c - a = ?$$

- A) 15 B) 16 C) 17 D) 18 E) 19

4.

x	a	b	c
a		20	
b			35
c	28		

$$a + b + c = ?$$

- A) 16 B) 20 C) 24 D) 28 E) 32

5.

x	a	b	c
a		18	
b			27
c	6		

$$\frac{ab + bc + ac}{3} = ?$$

- A) 17 B) 20 C) 23 D) 26 E) 29

6.

x	a	b	c
a		36	
b	d		
c		$\frac{d}{2}$	

$$\frac{a}{c} = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5



7.

x	a	b	c
a		$\frac{k}{2}$	18
b			
c	k		

$$\frac{b}{c} = ?$$

- A) $\frac{1}{2}$ B) 2 C) 4 D) $\frac{1}{4}$ E) 5

8.

x	a	b	c
a		18	
b			24
c	12		

$$a + b + c = ?$$

- A) 11 B) 13 C) 15 D) 17 E) 19

9.

x	a	b	c
a			12
b	8		
c		6	

$$\sqrt{a+b+c} = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5

10.

x	a	b	c
a		45	
b			
c	30	54	

$$a = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5

11.

x	a	b	c
a	64	40	
b			d
c	24		

$$d = ?$$

- A) 5 B) 10 C) 15 D) 20 E) 25

12.

x	a	b	c
a		54	
b			24
c	36		

$$b + c - a = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5

Cevap Anahtarı – Answer Sheet

1.C	2.B	3.A	4.A	5.A	6.B
7.A	8.B	9.C	10.E	11.C	12.A



DENKLEM TABLOLARI

TEST – 4

1.

x	a	b	c
a			
b	13		26
c			

$$a + 3c = ?$$

- A) 4a B) 5a C) 4c D) 7a E) 8a

4.

x	a	b	c
a		20	
b		16	
c		28	

$$c = ?$$

- A) b^2 B) b C) $b^2 + c^2$ D) a+2 E) 2a

2.

x	a	b	c
a		k	
b			18
c	27		

$$k = ?$$

- A) $\frac{b}{3}$ B) 2b C) $\frac{3b^2}{2}$ D) $\frac{3a^2}{2}$ E) $\frac{2b^2}{3}$

5.

+	a	b	c
a		37	
b			38
c			

$$a \cdot c = ?$$

- A) a+1 B) a^2+1 C) $2a^2-1$
D) a^2+a E) c^2-2c

3.

x	a	b	c
a		10	P
b			
c		8	

$$P = ?$$

- A) $\frac{3c^2}{2}$ B) $\frac{5c^2}{4}$ C) $\frac{4a^2}{3}$ D) $\frac{6a^2}{5}$ E) $\frac{5c}{2}$

6.

+	a	b	c
a		64	
b			98
c	102		

$$a + 2b = ?$$

- A) 94 B) 93 C) 92 D) 91 E) 90



DENKLEM TABLOLARI

TEST – 4

7.

+	a	b	c
a		84	
b			126
c	102		

$b = ?$

- A) 50 B) 51 C) 52 D) 53 E) 54

8.

+	a	b	c
a		50	
b		54	
c	48		

$b + c - a = ?$

- A) 23 B) 25 C) 27 D) 29 E) 31

9.

+	a	b	c
a		58	
b			
c	80		

$$ab + ac + bc = 4444$$

$a = ?$

- A) 12 B) 14 C) 16 D) 18 E) 20

10.

+	a	b	c
a		3a	
b			5b
c	72		

$a = ?$

- A) 6 B) 7 C) 8 D) 9 E) 10

11.

+	a	b	c
a		4b	
b			5b
c			

$$ab + ac + bc = 2736$$

$b = ?$

- A) 9 B) 10 C) 12 D) 13 E) 15

12.

+	a	b	c
a		42	
b			$\frac{16}{3}$
c	$\frac{7}{3}$		

$a = ?$

- A) $\frac{33}{2}$ B) $\frac{35}{2}$ C) $\frac{37}{2}$ D) $\frac{39}{2}$ E) 20

Cevap Anahtarı – Answer Sheet

1.D	2.C	3.B	4.D	5.D	6.A
7.E	8.D	9.C	10.C	11.C	12.D



1.

+	a	b	c
a			90
b	4b		
c		70	

$$c + a \cdot b = ?$$

- A) 440 B) 424 C) 360 D) 348 E) 324

2.

+	a	b	c
a		26	
b			18
c	4c		

$$\frac{b}{\frac{c}{2}} = ?$$

- A) 5 B) 6 C) 7 D) 8 E) 9

3.

+	a	b	c
a	b		
b		d	20
c			e

$$d + e = ?$$

- A) 32 B) 34 C) 36 D) 38 E) 40

4.

+	a	b	c
a		$\frac{2}{5}$	
b			$\frac{8}{5}$
c	$\frac{11}{5}$		

$$\frac{a}{b} = ?$$

- A) -5 B) -4 C) -3 D) -2 E) -1

5.

+	a	b	c
a			25
b	3c		
c			

$$4a + b = ?$$

- A) 35 B) 50 C) 60 D) 75 E) 100

6.

+	a	b	c
a		3c	
b			38
c			

$$4b + a = ?$$

- A) 62 B) 76 C) 94 D) 114 E) 144



DENKLEM TABLOLARI

TEST – 5

7.

+	a	b	c
a		c+4	
b			a+2
c	b+21		

$$2c + b = ?$$

- A) 24 B) 26 C) 30 D) 32 E) 35

8.

+	a	b	c
a			36
b	28	$\frac{a}{3}$	
c			

$$\frac{a}{b+c} = ?$$

- A) 5 B) 4 C) 3 D) $\frac{3}{2}$ E) 1

9.

+	a	b	c
a		c+5	
b		2a+6	3c-1
c			

$$2b + c - a = ?$$

- A) 6 B) 7 C) 8 D) 10 E) 12

10.

+	a	b	c
a		16	
b			30
c	26		

$$a \cdot b = ?$$

- A) 60 B) 70 C) 80 D) 90 E) 100

11.

+	a	b	c
a		15	
b			42
c	33		

$$a \cdot c = ?$$

- A) 75 B) 80 C) 85 D) 90 E) 95

12.

+	a	b	c
a			
b			18
c	23		

$$a \cdot b = 84$$

$$b = ?$$

- A) 5 B) 6 C) 7 D) 8 E) 9

Cevap Anahtarı – Answer Sheet

1.C	2.C	3.E	4.A	5.D	6.D
7.B	8.D	9.E	10.A	11.D	12.C



DENKLEM TABLOLARI

TEST - 6

1.

+	a	b	c
a		$\frac{29}{6}$	
b			
c			

x	a	b	c
a			$\frac{4}{3}$
b			
c		$\frac{10}{7}$	

$a \cdot b - b = ?$

- A) $\frac{35}{6}$ B) $\frac{8}{3}$ C) $\frac{7}{4}$ D) $\frac{10}{3}$ E) $\frac{9}{2}$

2.

+	a	b	c	d
a			52	
b	$3b-2$			
c		45		
d			$6a+4$	

$b + d = ?$

- A) 73 B) 72 C) 71 D) 70 E) 69

3.

+	a	b	c
a		$2c-17$	
b			$3a-5$
c	$2b+4$		

$a = ?$

- A) 15 B) 16 C) 18 D) 20 E) 21

4.

-	a	b	c
a		23	
b			113
c			

$\div$	a	b	c
a			18
b			
c			

$a + b + c = ?$

- A) 280 B) 273 C) 260 D) 255 E) 253

5.

+	a	b	c
a			c^2
b			28
c			

x	a	b	c
a			48
b			
c			

$a + b = ?$

- A) 27 B) 29 C) 33 D) 35 E) 36

6.

+	a	b	c
a			
b			24
c			

x	a	b	c
a		$4c$	b
b			
c			

$b = ?$

- A) 10 B) 12 C) 14 D) 16 E) 18



DENKLEM TABLOLARI

TEST – 6

7.

x	a	b	c
a			
b		a^3	$3ab$
c	$6b$		

$(a + b) \cdot c = ?$

- A) 100 B) 121 C) 144 D) 169 E) 180

8.

x	a	b	c
a			
b		$9a^3$	$24a$
c	$\frac{8b}{3}$		

$a \cdot b \cdot c = ?$

- A) 21 B) 22 C) 23 D) 24 E) 25

9.

+	a	b	c
a	$4c$		
b			$a+4$
c			

x	a	b	c
a		$12c$	
b			$3a$
c			

$c = ?$

- A) 2 B) 3 C) 4 D) 5 E) 6

10.

+	a	b	c
a	$8c$		
b			
c			$4b$

x	a	b	c
a		$4c$	
b			
c			

$a + b + c = ?$

- A) 11 B) 10 C) 9 D) 8 E) 7

11.

x	a	b	c
a			$\frac{16c}{3}$
b	$3c$		
c			

+	a	b	c
a			
b			$a \cdot b - \frac{92}{27}$
c			

$a + b = ?$

- A) $\frac{14}{3}$ B) $\frac{16}{3}$ C) $\frac{20}{3}$ D) $\frac{22}{3}$ E) $\frac{26}{3}$

12.

+	a	b	c
a			
b			$a \cdot b$
c			

x	a	b	c
a			$6b$
b	$\frac{3c}{2}$		
c			

$(c + b) \cdot a = ?$

- A) $8a$ B) $11c$ C) $9b$ D) $9a$ E) $6c$

Cevap Anahtarı – Answer Sheet

1.D	2.A	3.C	4.B	5.E	6.D
7.C	8.D	9.A	10.A	11.C	12.C



1.

+	a	b	c
a	$\frac{9c}{2}$		
b			
c			$\frac{b}{2}$

x	a	b	c
a		36c	
b			
c			

$$a + b + c = ?$$

- A) 30 B) 29 C) 28 D) 27 E) 26

2.

x	a	b	c
a			24
b	96		
c		36	

+	a	b	c
a		e	
b			f
c	h		

$$e + f + h = ?$$

- A) 46 B) 50 C) 52 D) 54 E) 56

3.

x	a	b	c
a		28	36
b			
c		63	

+	a	b	c
a	e		
b		f	
c			g

$$e + f + g = ?$$

- A) 40 B) 39 C) 38 D) 37 E) 36

4.

+	a	b	c
a			8
b	14		
c		10	

x	a	b	c
a		e.b.c	
b			k
c	d		

$$\frac{e+k}{d} = ?$$

- A) $\frac{9}{2}$ B) $\frac{11}{3}$ C) $\frac{19}{6}$ D) $\frac{17}{3}$ E) $\frac{19}{12}$

5.

+	a	b	c
a		18	24
b			12
c			

x	a	b	c
a		e	
b			h
c	f		

$$\frac{e+f}{h} = ?$$

- A) $\frac{8}{3}$ B) 4 C) $\frac{16}{3}$ D) $\frac{20}{3}$ E) $\frac{22}{3}$

6.

x	a	b	c
a			8
b	4		
c			4b

$$a = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5



DENKLEM TABLOLARI

TEST – 7

7.

+	a	b	c
a		$\frac{8}{3}$	
b			$\frac{19}{12}$
c			

x	a	b	c
a			$\frac{35}{36}$
b			
c			

$a = ?$

- A) $\frac{1}{3}$ B) 1 C) $\frac{2}{3}$ D) $\frac{7}{12}$ E) $\frac{5}{3}$

8.

+	a	b	c
a			$\frac{3}{4}$
b			
c			

x	a	b	c
a			
b		$\frac{4}{9}$	
c		$\frac{1}{12}$	

$a + b + c = ?$

- A) $\frac{13}{12}$ B) $\frac{15}{12}$ C) $\frac{17}{12}$ D) $\frac{19}{12}$ E) $\frac{21}{12}$

9.

x	a	b	c
a		288	
b			144
c	3b		

$a + b + c = ?$

- A) 40 B) 42 C) 44 D) 46 E) 48

10.

+	a	b	c
a			25
b			

x	a	b	c
a		64	
b			36

$\frac{a \cdot c}{b} = ?$

- A) 32 B) 34 C) 36 D) 38 E) 40

11.

+	a	b	c
a			18
b	20		

x	a	b	c
a			72
b			

$(a + b) \cdot c = ?$

- A) 120 B) 118 C) 116 D) 110 E) 100

12.

x	a	b	c
a			
b			112
c	98		

+	a	b	c
a			
b	15		
c			

$\frac{b \cdot c}{a} = ?$

- A) 19 B) 18 C) 17 D) 16 E) 14

Cevap Anahtarı – Answer Sheet

1.B	2.A	3.A	4.E	5.D	6.D
7.E	8.C	9.B	10.C	11.A	12.D



DENKLEM TABLOLARI

TEST – 8

1.

+	a	b	c
a			13
b			

x	a	b	c
a		24	
b			54

$a \cdot b \cdot c = ?$

- A) 212 B) 214 C) 216 D) 218 E) 220

4.

+	a	b	c
a			21
b	25		

x	a	b	c
a			68
b			

$b = ?$

- A) 4 B) 5 C) 6 D) 7 E) 8

2.

+	a	b	c
a		22	
b			11

x	a	b	c
a			126
b			

$a + c = ?$

- A) 23 B) 24 C) 25 D) 26 E) 28

5.

x	a	b	c
a			
b			112
c	28		

+	a	b	c
a			
b	20		
c			

$c = ?$

- A) 7 B) 9 C) 12 D) 14 E) 16

3.

+	a	b	c
a			
b			19

x	a	b	c
a			90
b	24		

$a + b + c = ?$

- A) 29 B) 28 C) 27 D) 26 E) 25

6.

+	a	b	c
a			11
b			8

x	a	b	c
a			
b	40		

$a - b + c = ?$

- A) 3 B) 6 C) 7 D) 9 E) 10



DENKLEM TABLOLARI

TEST – 8

7.

+	a	b	c
a		10	
b			

x	a	b	c
a			63
b			27

$$b + c - a = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5

8.

x	a	b	c
a		42	
b			21
c			

+	a	b	c
a			18
b			
c			

$$\frac{a+b}{c} = ?$$

- A) $\frac{62}{6}$ B) $\frac{29}{6}$ C) $\frac{31}{12}$ D) $\frac{43}{4}$ E) $\frac{51}{12}$

9.

-	a	b	c
a		$3b+8$	
b			$2c$
c	$2a+10$		

$$c = ?$$

- A) $-\frac{43}{35}$ B) $-\frac{34}{35}$ C) $-\frac{29}{35}$
D) $-\frac{18}{35}$ E) $-\frac{17}{35}$

10.

-	a	b	c
a		$4b$	
b			-6
c			

x	a	b	c
a			
b			
c		27	

$$a = ?$$

- A) 10 B) 13 C) 15 D) 17 E) 19

11.

-	a	b	c
a		6	
b			
c		2	

x	a	b	c
a			96
b			
c			

$$a + b + c = ?$$

- A) 28 B) 26 C) 24 D) 22 E) 20

12.

x	a	b	c
a		32	
b			
c	16		

-	a	b	c
a			
b			2
c			

$$a + b + c = ?$$

- A) 8 B) 10 C) 12 D) 14 E) 16

Cevap Anahtarı – Answer Sheet

1.C	2.C	3.E	4.E	5.A	6.B
7.E	8.C	9.B	10.C	11.B	12.D



1.

x	a	b	c
a		8	
b			6
c			

+	a	b	c
a			
b			
c	$7\sqrt{2}$		

 $b = ?$

- A) 1 B) $\sqrt{2}$ C) 2 D) $2\sqrt{2}$ E) $3\sqrt{2}$

2.

x	a	b	c
a		$6\sqrt{6}$	
b			
c	$2\sqrt{6}$	6	

 $a \cdot b \cdot c = ?$

- A) $4\sqrt{3}$ B) $6\sqrt{3}$ C) $9\sqrt{3}$ D) $12\sqrt{3}$ E) $15\sqrt{3}$

3.

x	a	b	c
a	$\frac{2b}{3}$		
b			$6\sqrt{2}$
c			a

 $a \cdot b \cdot c = ?$

- A) $3\sqrt{2}$ B) $6\sqrt{2}$ C) $12\sqrt{2}$ D) 24 E) $24\sqrt{2}$

4.

+	a	b	c	d
a		8		
b				
c				
d			6	

 $ac + bc + ad + bd = ?$

- A) 48 B) 46 C) 44 D) 42 E) 40

5.

+	c	d
a	19	21
b	12	14

x	c	d
a	84	108
b	35	45

 $\frac{d+a+c}{5b} = ?$

- A) $\frac{17}{5}$ B) $\frac{19}{5}$ C) $\frac{23}{5}$ D) $\frac{28}{5}$ E) $\frac{32}{5}$

6.

+	a	b
c	10	7
d	15	12

x	a	b
c	21	12
d	56	32

 $(d - b) \cdot (a - c) = ?$

- A) 12 B) 14 C) 16 D) 18 E) 20



DENKLEM TABLOLARI

TEST – 9

7.

+	a	b	c
a			
b			
c		20	

x	a	b	c
a			4b
b	9c		
c			
- $a + b - c = ?$
- A) 8 B) 9 C) 10 D) 11 E) 12
8.

+	a	b	c
a		4b	
b			
c		9	

x	a	b	c
a		75	
b			
c			
- $c = ?$
- A) 4 B) 3 C) 2 D) 1 E) -1
9.

+	a	b	c
a		c	
b		a	
c			

x	a	b	c
a			
b			
c			36
- $(a \cdot b) + c = ?$
- A) 11 B) 12 C) 13 D) 14 E) 15
10.

+	a	b	c
a		2c	
b			30
c			

x	a	b	c
a			288
b	252		
c			
- $\frac{a+c}{b} = ?$
- A) $\frac{19}{7}$ B) $\frac{18}{7}$ C) $\frac{17}{7}$ D) $\frac{16}{7}$ E) $\frac{15}{7}$
11.

+	a	b	c
a			6c
b			10
c			

x	a	b	c
a			20
b			
c			
- $\frac{a+b}{c} = ?$
- A) 13 B) 11 C) 9 D) 8 E) 6
12.

+	a	b	c
a		24	
b			
c			

x	a	b	c
a			12b
b			24
c			
- $a - (b + c) = ?$
- A) 4 B) 6 C) 8 D) 10 E) 12
- Cevap Anahtarı – Answer Sheet**
- | | | | | | |
|-----|-----|-----|------|------|------|
| 1.B | 2.D | 3.B | 4.A | 5.D | 6.C |
| 7.C | 8.A | 9.D | 10.C | 11.C | 12.C |



DENKLEM TABLOLARI

TEST – 10

1.

+	a	b	c
a			7c
b			10

x	a	b	c
a			24
b			

$$\frac{a+b}{c} = ?$$

- A) 10 B) 9 C) 8 D) 7 E) 6

2.

+	a	b	c
a			
b			15
c			

x	a	b	c
a		48	12
b			
c			

$$a + b \cdot c = ?$$

- A) 28 B) 32 C) 36 D) 40 E) 48

3.

+	a	b	c
a			b+4
b		2c+4	
c			

x	a	b	c
a			
b			
c	30		

$$\frac{b+c}{a} = ?$$

- A) 2 B) 3 C) 4 D) 6 E) 8

4.

+	a	b	c
a	b	g	f
b	g	c	e
c	f	e	d

x	a	b	c
a	a	b	c
b	b	c	d
c	c	d	h

$$\frac{(e+d) - (c+f)}{b+g} = ?$$

- A) $\frac{1}{2}$ B) 1 C) $\frac{3}{2}$ D) $\frac{2}{3}$ E) $\frac{9}{5}$

5.

+	a	b	c
a	d	f	a
b	f	e	b
c	a	b	c

x	a	b	c
a	8e	a	c
b	a	b	c
c	c	c	c

$$\frac{d}{e} + f + e = ?$$

- A) 7 B) 8 C) 9 D) 10 E) 11

6.

+	●	■	★
●	★	□	○
■	□	▲	△
★	○	△	#

x	●	■	★
●	●	■	★
■	■	✕	▲
★	★	▲	#

$$▲ + \triangle + \# = 21$$

$$\times = ?$$

- A) 9 B) 16 C) 25 D) 36 E) 49



7.

+	a	b	c
a	b	e	f
b	e	c	g
c	f	g	h

x	a	b	c
a	a	b	c
b	b	c	h
c	c	h	d

$g + h = ?$

- A) 16 B) 14 C) 12 D) 10 E) 8

8.

+	a	b	c
a			3b
b			7
c			

x	a	b	c
a	3	2	c^3
b			
c		12	

$a + b + c = ?$

- A) 11 B) 12 C) 14 D) 16 E) 17

9.

+	a	b	c
a		6c	
b			
c	5c		

x	a	b	c
a			64
b			
c			

$b = ?$

- A) 4 B) 5 C) 6 D) 7 E) 8

10.

+	a	b	c
a		18	
b			

x	a	b	c
a			8.b
b			24

$b = ?$

- A) 3 B) 4 C) 5 D) 6 E) 7

11.

x	a	b
a		36
c	27	

+	a	b
a		
c		7

$(b \cdot c) - a = ?$

- A) 1 B) 2 C) 3 D) 4 E) 5

12.

+	a	b	c
a			b
b	10		
c		11	

$b + c - a = ?$

- A) 7 B) 8 C) 9 D) 10 E) 11

Cevap Anahtarı – Answer Sheet

1.A	2.D	3.A	4.B	5.E	6.C
7.B	8.D	9.E	10.D	11.C	12.B



1.

+	a	b	c
a		19	
b			11
c	16		

$$a + b + c = ?$$

- A) 12 B) 18 C) 23 D) 25 E) 28

4.

+	a	b	c
a			3c
b			9

x	a	b	c
a			3c
b			

$$(a \cdot b) + c = ?$$

- A) 20 B) 22 C) 24 D) 26 E) 28

2.

x	a	b	c
a		28	
b			42
c	24		

$$a + b - c = ?$$

- A) 1 B) 3 C) 5 D) 7 E) 8

5.

+	a	b	c
a		37	29
b			24

$$a = ?$$

- A) 12 B) 16 C) 18 D) 19 E) 21

3.

+	a	b	c
a		24	32
b		34	

$$c - a = ?$$

- A) 16 B) 18 C) 20 D) 22 E) 24

6.

x	a	b	c
a		28	20
b			35

$$a + b + c = ?$$

- A) 12 B) 16 C) 24 D) 26 E) 28



7.

+	a	b	c
a			10
b			

x	a	b	c
a		18	
b			12

$$a \cdot b \cdot c = ?$$

- A) 24 B) 36 C) 48 D) 62 E) 72

8.

+	a	b	c
a		11	
b			23
c	20		

$$c - (a + b) = ?$$

- A) 3 B) 4 C) 5 D) 6 E) 8

9.

+	a	b
c	8	9
d	14	15

x	a	b
c	12	14
d	48	56

$$\frac{(a+d)}{b} \cdot c = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 8

10.

x	a	b	c
a		c	
b			16
c	8a		

$$a + c = ?$$

- A) 10 B) 12 C) 14 D) 16 E) 20

11.

+	a	b	c
a		15	
b		4a	16
c			

$$b + 2c = ?$$

- A) 16 B) 18 C) 20 D) 22 E) 24

12.

+	b	c	d
a	15		c+4
b	8a	20	

$$a + b + c + d = ?$$

- A) 32 B) 35 C) 38 D) 42 E) 45

Cevap Anahtarı – Answer Sheet

1.C	2.C	3.B	4.C	5.B	6.B
7.E	8.C	9.D	10.B	11.D	12.A



DENKLEM TABLOLARI

TEST – 12

1.

x	a	b	c
a		56	
b			104
c			

+	a	b	c
a			20
b			
c			

$$(a + b) - c = ?$$

- A) 2 B) 4 C) 5 D) 7 E) 9

4.

+	a	b	c
a	$2c+b$		
b	$2c$		$a+2$
c			

$$a \cdot b \cdot c = ?$$

- A) 100 B) 120 C) 128 D) 144 E) 192

2.

+	a	b	c
a	$4c$	$3a-c$	
b			
c			

$$\frac{a+b}{c} = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5

5.

x	a	b	c
a		c	
b		$a \cdot c$	$16 \cdot a^3$
c			

$$a + b + c = ?$$

- A) 75 B) 78 C) 82 D) 84 E) 90

3.

+	a	b	c
a	c		
b	51		$2c+6$
c			

$$a - b + c = ?$$

- A) 6 B) 9 C) 10 D) 12 E) 14

6.

+	a	b	c
a		$15-2b$	
b			$11-b$
c	$21-2c$		

$$a + b + c = ?$$

- A) 14 B) 13 C) 10 D) 9 E) 8



7.

+	c	d
a	6	13
b	9	16

x	c	d
a	8	36
b	14	63

$$(2a + b) - (c + d) = ?$$

- A) 4 B) 3 C) 2 D) 1 E) 0

8.

+	a	b	c
a		d	
b			60
c	e		

x	a	b	c
a			36
b	144		
c			

$$d + e = ?$$

- A) 62 B) 66 C) 72 D) 75 E) 81

9.

+	a	b	c
a	$\frac{b}{3}$		
b	42		
c		$2b+10$	

$$a + b + c = ?$$

- A) 90 B) 89 C) 88 D) 87 E) 86

10.

x	a	b	c
a		$4c$	
b			8
c	32		

$$\frac{a-c}{b} = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 5

11.

x	a	b	c
a		$6.c$	
b			6
c	8		

$$a + c = ?$$

- A) 3 B) 4 C) 5 D) 6 E) 8

12.

+	a	b	c
a	b	d	e
b	d	c	f
c	e	f	g

x	a	b	c
a	a	b	c
b	b	c	g
c	c	g	h

$$\left(\frac{f+g}{c+d} \right) \cdot h = ?$$

- A) 12 B) 24 C) 32 D) 48 E) 60

Cevap Anahtarı – Answer Sheet

1.A	2.E	3.B	4.E	5.D	6.A
7.A	8.B	9.C	10.B	11.D	12.C

6. BÖLÜM

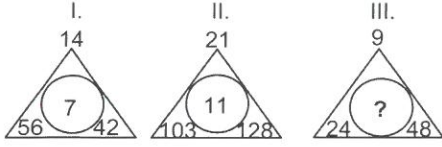
SAYIASAL İLİŞKİLER





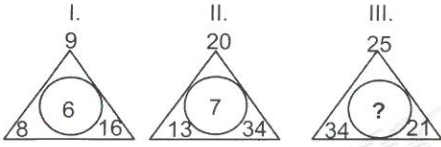


1.



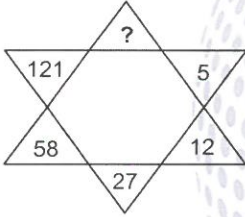
A) 7 B) 8 C) 9 D) 10 E) 11

2.



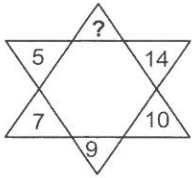
A) 4 B) 5 C) 9 D) 11 E) 12

3.



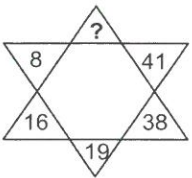
A) 238 B) 240 C) 244 D) 246 E) 248

4.



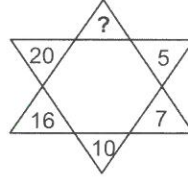
A) 18 B) 16 C) 12 D) 6 E) 3

5.



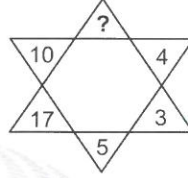
A) 84 B) 82 C) 72 D) 6 E) 1

6.



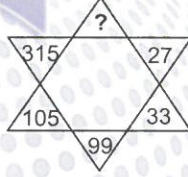
A) 3 B) 6 C) 12 D) 28 E) 30

7.



A) 4 B) 9 C) 25 D) 26 E) 30

8.



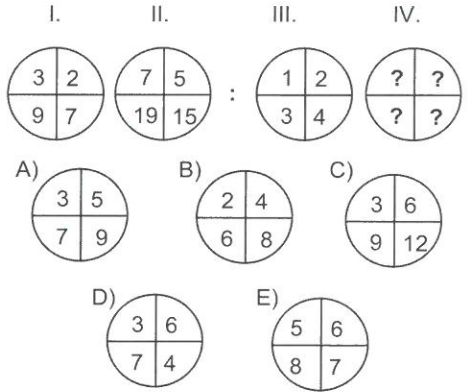
A) 4 B) 9 C) 302 D) 316 E) 320

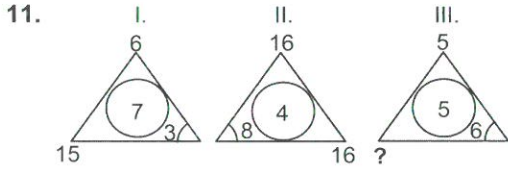
9.



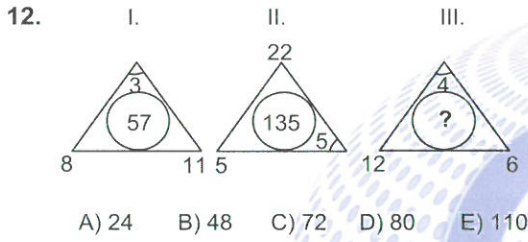
A) 0 B) 1 C) 2 D) 33 E) 35

10.

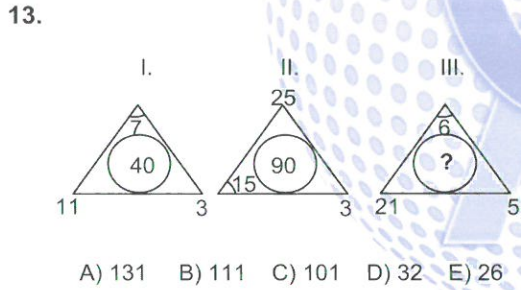




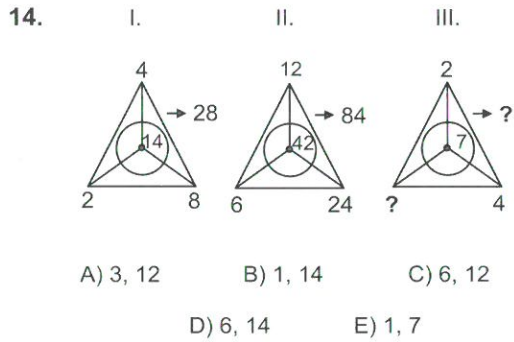
- A) 6 B) 10 C) 16 D) 25 E) 30



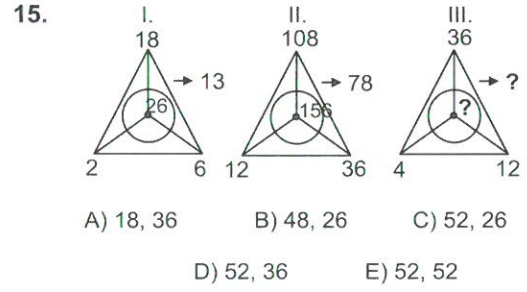
- A) 24 B) 48 C) 72 D) 80 E) 110



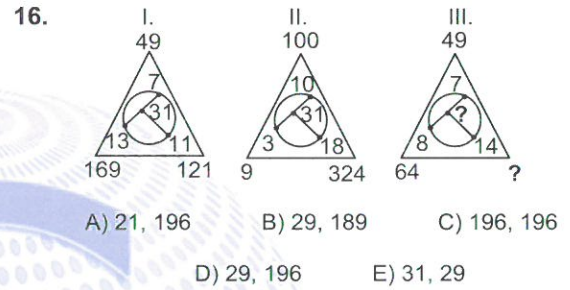
- A) 131 B) 111 C) 101 D) 32 E) 26



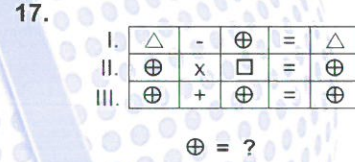
- A) 3, 12 B) 1, 14 C) 6, 12
D) 6, 14 E) 1, 7



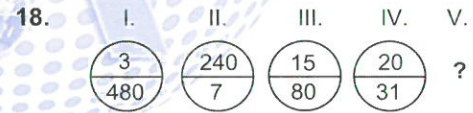
- A) 18, 36 B) 48, 26 C) 52, 26
D) 52, 36 E) 52, 52



- A) 21, 196 B) 29, 189 C) 196, 196
D) 29, 196 E) 31, 29



- A) 6 B) 4 C) 2 D) 0 E) -1



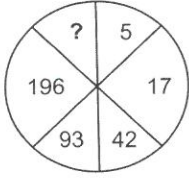
- A) $\frac{5}{63}$ B) $\frac{5}{62}$ C) $\frac{63}{5}$
D) $\frac{63}{4}$ E) $\frac{61}{4}$

Cevap Anahtarı – Answer Sheet

1.B	2.B	3.E	4.A	5.B	6.C
7.D	8.B	9.D	10.A	11.D	12.C
13.B	14.B	15.C	16.D	17.D	18.D

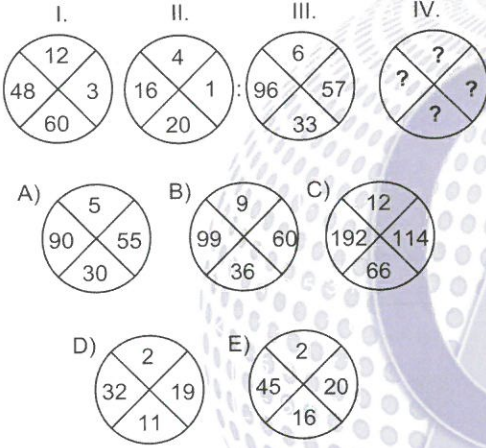


1.



- A) 392 B) 398 C) 402 D) 403 E) 413

2.



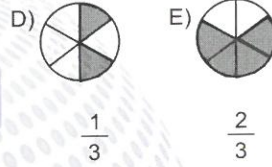
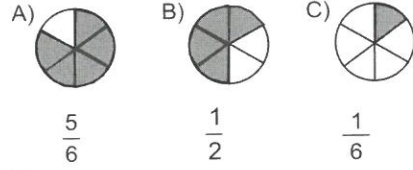
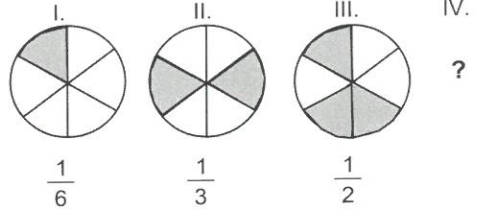
3.



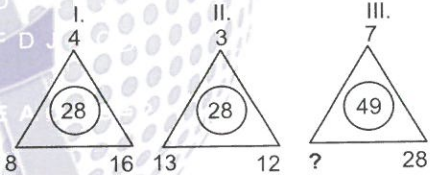
Yandaki şekilde taralı alanın toplamı alana oranı nedir?

- A) $\frac{3}{4}$ B) $\frac{3}{8}$ C) $\frac{1}{3}$ D) $\frac{1}{2}$ E) $\frac{1}{4}$

4.

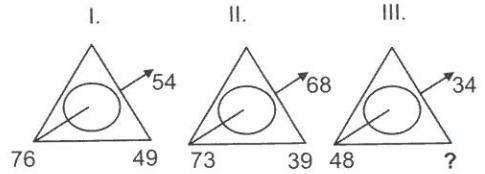


5.



- A) 10 B) 12 C) 14 D) 21 E) 24

6.



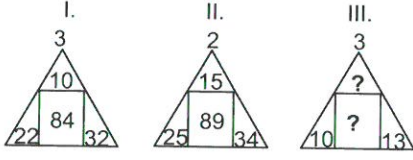
- A) 7 B) 14 C) 16 D) 26 E) 31



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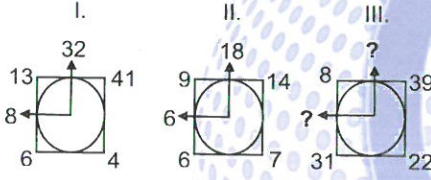
TEST – 2

7.



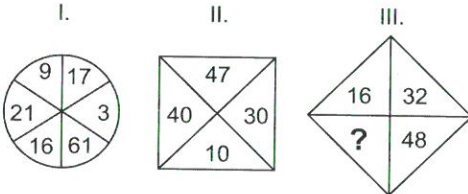
- A) 12, 69 B) 5, 28 C) 6, 31
D) 14, 65 E) 7, 7

8.



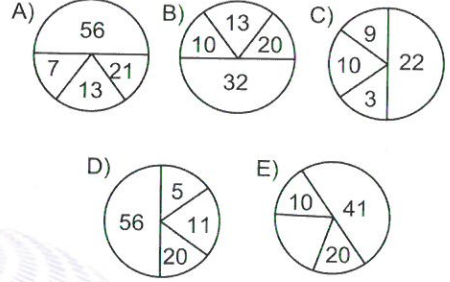
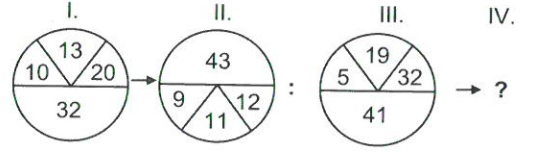
- A) 5, 25 B) 10, 50 C) 25, 100
D) 10, 100 E) 9, 81

9.

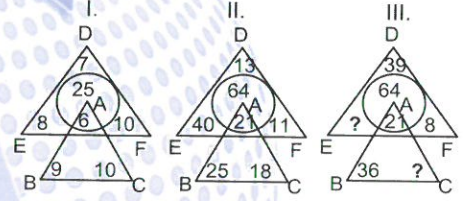


- A) 31 B) 60 C) 65 D) 70 E) 80

10.

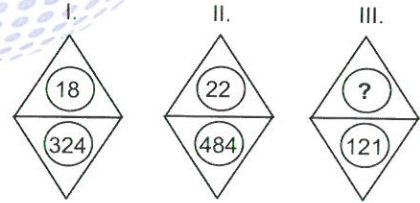


11.



- A) C - 9 E - 15 B) C - 7 E - 17 C) C - 51 E - 13
D) C - 17 E - 7 E) C - 10 E - 9

12.



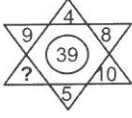
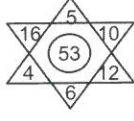
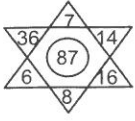
- A) 9 B) 10 C) 11 D) 12 E) 13

Cevap Anahtarı – Answer Sheet

1.D	2.D	3.B	4.E	5.C	6.E
7.D	8.B	9.A	10.A	11.B	12.C



1.



A) 23 B) 12 C) 7 D) 3 E) 1

2.

6	12	4	18
9	18	6	27
?	30	10	21
8	36	12	24

A) 7 B) 9 C) 11 D) 13 E) 15

3.

4	6	3	30
8	10	5	90
6	8	4	56
12	14	7	?

A) 33 B) 84 C) 98 D) 175 E) 182

4.

365	635	563
128	?	821
456	546	654

A) 281 B) 812 C) 182 D) 218 E) 821

5.

6	-4	16
2	-8	64
40	?	900

A) 10 B) 20 C) 30 D) -30 E) -20

6.

?	8	24
-1	4	12
-5	20	60

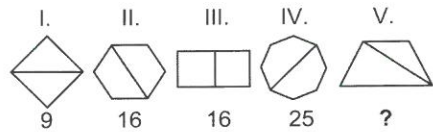
A) -2 B) -3 C) 3 D) 6 E) 0

7.

812	182	218	128
406	046	604	064
203	023	?	032

A) 230 B) 302 C) 203 D) 320 E) 032

8.



A) 2 B) 4 C) 9 D) 16 E) 25



9.

4	7	10
9	?	17
14	19	24

A) 13 B) 14 C) 15 D) 16 E) 8

10.

72	?	378
6	8	9
4	7	14

A) 128 B) 132 C) 158 D) 168 E) 171

11.

623	362	236
173	317	731
452	?	524

A) 371 B) 460 C) 245 D) 514 E) 542

12.

3	49	4
5	64	3
?	121	5

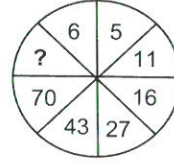
A) 3 B) 4 C) 5 D) 6 E) 7

13.

2	8	4
4	64	?
6	216	36

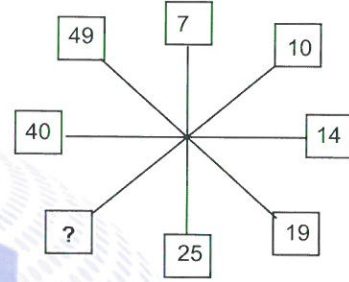
A) 8 B) 12 C) 14 D) 16 E) 18

14.



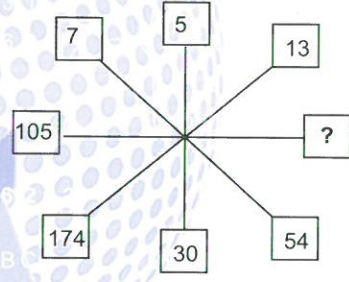
A) -1 B) 1 C) 103 D) 106 E) 123

15.



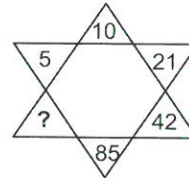
A) 28 B) 29 C) 30 D) 31 E) 32

16.



A) 10 B) 12 C) 13 D) 15 E) 35

17.



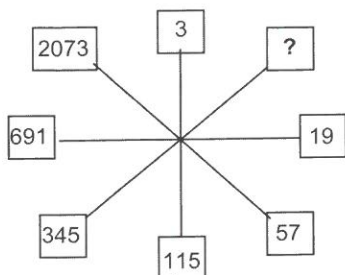
A) 75 B) 160 C) 165 D) 170 E) 180

Cevap Anahtarı – Answer Sheet

1.D	2.A	3.E	4.D	5.C	6.A
7.B	8.C	9.A	10.D	11.C	12.D
13.D	14.A	15.E	16.A	17.D	

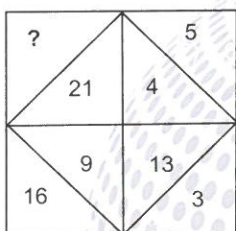


1.



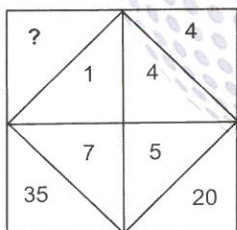
- A) 14 B) 11 C) 9 D) 7 E) 4

2.



- A) 18 B) 15 C) 12 D) 10 E) 9

3.



- A) 18 B) 15 C) 12 D) 10 E) 7

4.

3	20	7
5	28	9
7	?	11

- A) 26 B) 28 C) 32 D) 34 E) 36

5.

12	?	30
6	30	15
30	150	75

- A) 85 B) 80 C) 70 D) 60 E) 50

6.

7	12	9	18
	19		?
14		16	
17	10		

Yukarıdaki sayı matrisinde satır, sütun ve köşegenler üzerindeki sayıların toplamı aynı olduğuna göre (?) yerine hangi sayı getirilmelidir?

- A) 10 B) 15 C) 13 D) 9 E) 16

7.

16		11	5
6	3		
		9	2
	10	?	8

Yukarıdaki sayı matrisinde satır, sütun ve köşegenler üzerindeki sayıların toplamı aynı olduğuna göre (?) yerine hangi sayı getirilmelidir?

- A) 9 B) 10 C) 11 D) 12 E) 13

8.

-274	-6
-144	-10
-78	-16
?	-26

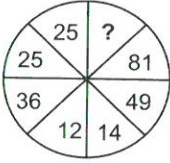
- A) -30 B) -32 C) -44 D) -52 E) -64



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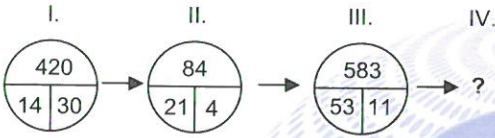
TEST - 4

9.



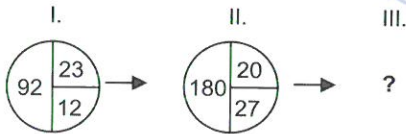
- A) 9 B) 16 C) 25 D) 35 E) 45

10.



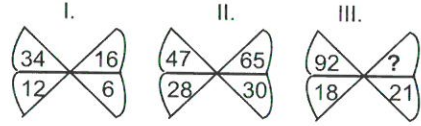
- A) B) C) D) E)

11.



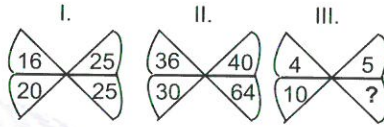
- A) B) C) D) E)

12.



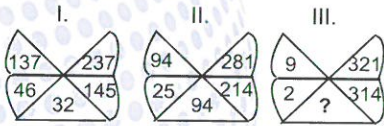
- A) 99 B) 82 C) 75 D) 73 E) 42

13.



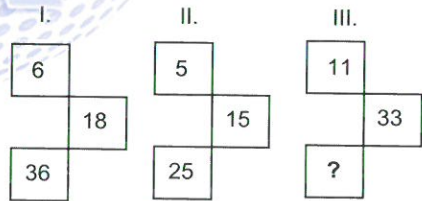
- A) 0 B) 1 C) 4 D) 9 E) 25

14.



- A) 62 B) 53 C) 38 D) 17 E) 11

15.



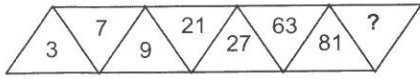
- A) 99 B) 66 C) 55 D) 121 E) 44

Cevap Anahtarı - Answer Sheet

1.C	2.B	3.E	4.E	5.D	6.C
7.B	8.C	9.A	10.D	11.C	12.D
13.B	14.C	15.D			



1.



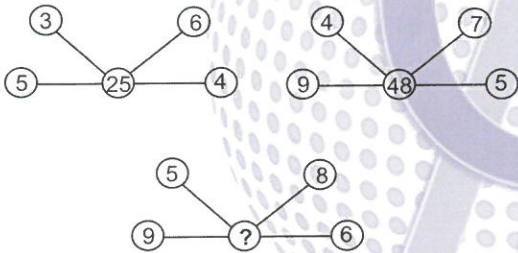
- A) 69 B) 181 C) 70 D) 189 E) 96

2.

3	2	1	18	9	6
14	21	90	5	?	63

- A) 12 B) 24 C) 36 D) 42 E) 49

3.



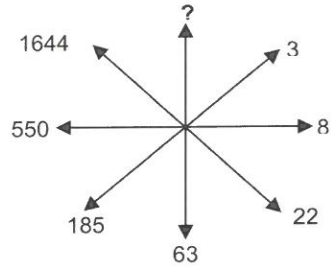
- A) 59 B) 68 C) 82 D) 98 E) 104

4.

I.	II.	III.
2	5	12
6	4	?
50	85	48
8	20	36

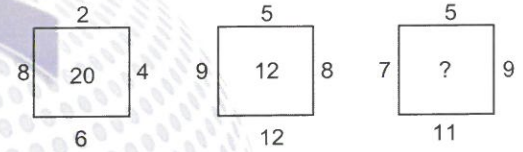
- A) 1 B) 2 C) 4 D) 8 E) 10

5.



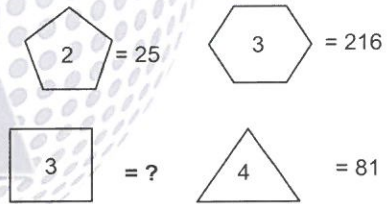
- A) 1 B) 2 C) 4915
D) 4927 E) 4928

6.



- A) 12 B) 11 C) 10 D) 9 E) 8

7.



- A) 16 B) 27 C) 64 D) 81 E) 108

8.

23	38	48	49
41	65	75	?

- A) 68 B) 76 C) 90 D) 92 E) 96



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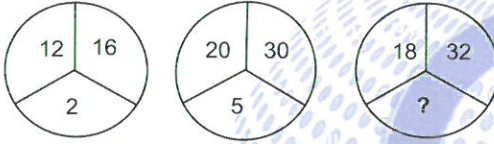
TEST – 5

9.

	14	34	55	87
2	4	6	7	?

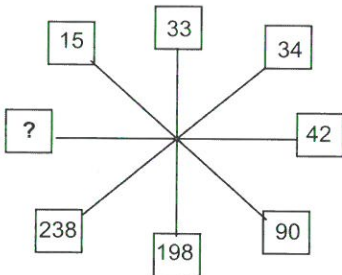
- A) 3 B) 8 C) 10 D) 12 E) 14

10.



- A) 6 B) 7 C) 8 D) 10 E) 12

11.



- A) 50 B) 98 C) 238 D) 252 E) 264

12.

	3	4	5	6
9	72	65	56	45
5	16	9	0	11
8	55	?	?	?
7	40	33	24	13

- A) 48; 39; 55 B) 55; 39; 48
C) 39; 48; 55 D) 29; 48; 55
E) 48; 39; 28

13.

	a	b	c	d
76	38	-	19	-
105	-	35	-	21
64	32	-	16	-
144	?	?	?	-

- A) 72, -, 36 B) 72, 48, 36
C) 54, 34, 26 D) -, 34, 18
E) 48, 36, 72

14.

6	8	4	9
12	14	10	18
10	5	11	13
9	12	?	?

- A) 11 - 7 B) 8 - 12 C) 7 - 11
D) 10 - 9 E) 3 - 12

Cevap Anahtarı – Answer Sheet

1.D	2.D	3.A	4.A	5.A	6.E
7.C	8.B	9.C	10.B	11.D	12.E
13.B	14.E				



1.

4	20	25
11	?	72
14	98	105

A) 88 B) 66 C) 36 D) 40 E) 36

2.

3	4	8	9
1	3	5	7
6	5	4	5
8	6	7	?

A) 4 B) 5 C) 6 D) 7 E) 8

3.

185
163 207

106
91 121

148
208 ?

A) 88 B) 96 C) 134 D) 156 E) 178

4.

6	18	?
12 2	9 8	8 5

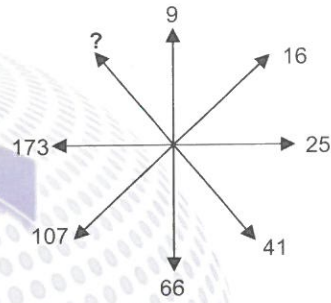
A) 10 B) 11 C) 12 D) 13 E) 15

5.

	12		11
		12	
17	13	16	
14			?

A) 16 B) 15 C) 13 D) 12 E) 9

6.



A) 7 B) 20 C) 83 D) 165 E) 270

7.

9	7	4	8
5	8	6	9
6	5	?	8
8	8	9	3

A) 4 B) 5 C) 7 D) 9 E) 10

8.

24	72	48	144	120
12	36	24	72	60
6	18	12	36	II
3	I	6	18	15

I, II = ?

A) 6,32 B) 9,30 C) 9,45
D) 12,30 E) 12,45



9.

234	18
563	28
457	?
821	22
- A) 16 B) 24 C) 26 D) 30 E) 32

10. = 44
= 35
= ?
- A) 36 B) 30 C) 29 D) 24 E) 20

11. = ?
- A) 4 B) 18 C) 25 D) 28 E) 31

12. $(3, 6, 8) \rightarrow x (12, 24, 32)$
 $(4, 9, 13) \rightarrow y (3, 8, 12)$
 $(7, 8, 12) \rightarrow x (.....) \rightarrow y (?)$
- A) 27, 32, 45 B) 28, 32, 48
C) 22, 34, 49 D) 24, 28, 44
E) 27, 31, 47

13. = 1
= 7
= 2
= ?
- A) 6 B) 4 C) 2 D) 0 E) -6

14. = ?
- A) 27 B) 33 C) 35 D) 41 E) 46

15. = ?
- A) 56 B) 49 C) 39 D) 32 E) 24

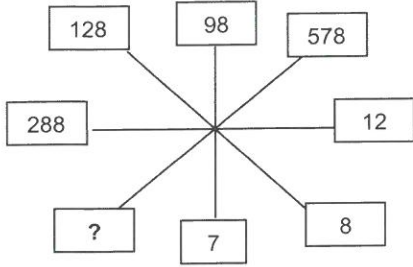
16. I. + = 36
II. - = 28
III. - = 16
IV. + = ?
- A) 38 B) 40 C) 44 D) 46 E) 52

Cevap Anahtarı – Answer Sheet

1.B	2.D	3.A	4.A	5.E	6.A
7.D	8.B	9.E	10.C	11.A	12.E
13.E	14.D	15.A	16.E		



1.



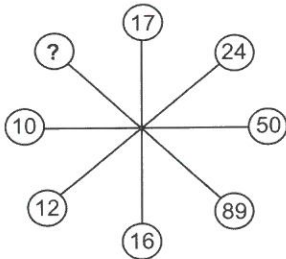
- A) 5 B) 6 C) 10 D) 14 E) 17

2.

- (4,6) (5,9) → (9; 54)
(2,7) (5,6) → (7; 42)
(8,3) (5,2) → (?: ?)

- A) (8,6) B) (40,6) C) (13,5)
D) (13,6) E) (11,7)

3.



- A) 6 B) 8 C) 24 D) 34 E) 36

4.

I. $\boxed{835} \rightarrow 4$

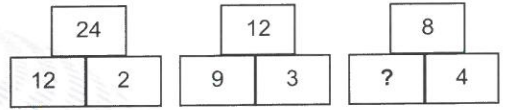
II. $\boxed{912} \rightarrow 3$

III. $\triangle 753 \rightarrow 5$

IV. $\square 988 \rightarrow ?$

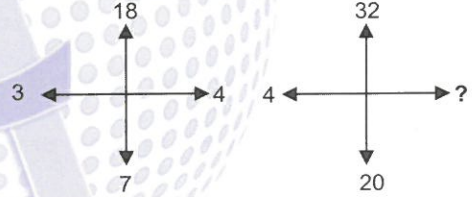
- A) 4 B) 5 C) 7 D) 10 E) 15

5.



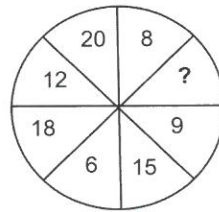
- A) 6 B) 7 C) 8 D) 12 E) 24

6.



- A) 4 B) 6 C) 8 D) 12 E) 16

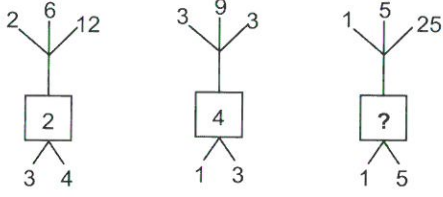
7.



- A) 6 B) 8 C) 12 D) 16 E) 24



8.



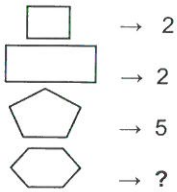
- A) 2 B) 3 C) 4 D) 5 E) 6

9.

$$\begin{aligned} \square + \triangle &= 8 \\ \triangle - \bigcirc &= 3 \\ \square - 1 &= \bigcirc \\ \triangle &= ? \end{aligned}$$

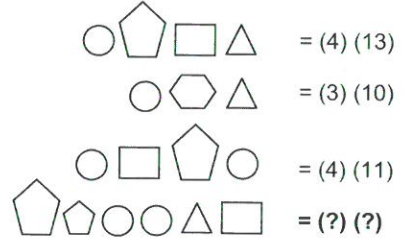
- A) 2 B) 3 C) 4 D) 5 E) 6

10.



- A) 6 B) 8 C) 9 D) 10 E) 12

11.



- A) (6);(19) B) (5);(17) C) (4);(17)
D) (5);(16) E) (6);(16)

12. Aşağıdaki matrisin satır sütun ve köşegenlerindeki sayıların toplamlarının eşit olabilmesi için a, b, c, d yerine hangi rakamlar gelmelidir?

	a	b	c	d
I	a	7	2	8
II	4	b	3	5
III	7	1	c	2
IV	6	4	5	d

A)

a	b	c	d
2	7	9	3

B)

a	b	c	d
1	5	8	4

C)

a	b	c	d
3	8	10	4

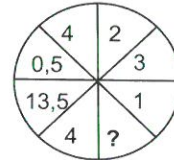
D)

a	b	c	d
3	4	5	6

E)

a	b	c	d
1	6	8	3

13.



- A) 8 B) 16 C) 24 D) 32 E) 64

Cevap Anahtarı – Answer Sheet

1.E	2.D	3.D	4.B	5.C	6.B
7.E	8.B	9.D	10.C	11.A	12.E
13.D					

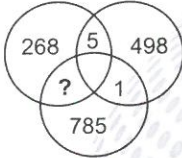


1.

6	2	1	4	9	1
3	2	3	7	4	2
1	2	1	7	?	2

A) 4 B) 5 C) 6 D) 7 E) 8

2.



A) 1 B) 2 C) 3 D) 4 E) 5

3.

15	10	8
30	20	16
10	?	7

A) 15 B) 14 C) 13 D) 12 E) 8

4.

23	12	25
7	2	?
40	24	56

A) 1 B) 6 C) 14 D) 21 E) 23

5.

10	19	9
6	20	4
8	15	?

A) 5 B) 7 C) 9 D) 4 E) 6

6.

8	43	5
6	26	4
12	67	?

A) 2 B) 3 C) 4 D) 5 E) 6

7.

3	3	9
6	27	8
9	?	27

A) 12 B) 15 C) 18 D) 27 E) 36

8.

3	5	8	43
3	8	?	35
6	4	8	38
9	10	4	49

A) 5 B) 4 C) 3 D) 2 E) 1

9.

36	48	64
25	35	49
25	45	81
9	9	?

A) 9 B) 16 C) 18 D) 27 E) 36

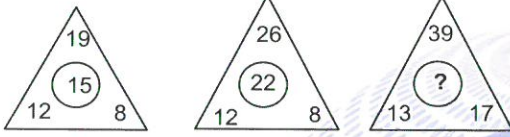


10.

20	14	12
?	11	14
22	14	10

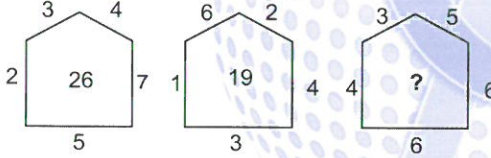
- A) 18 B) 21 C) 24 D) 25 E) 26

11.



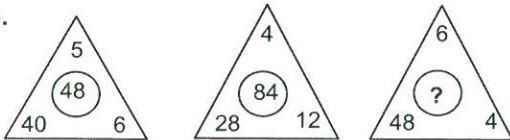
- A) 40 B) 42 C) 43 D) 44 E) 46

12.



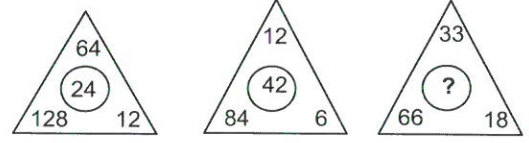
- A) 30 B) 34 C) 40 D) 43 E) 52

13.



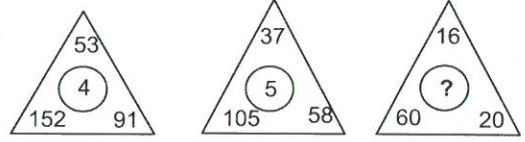
- A) 24 B) 32 C) 36 D) 45 E) 48

14.



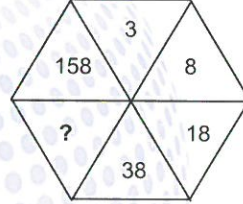
- A) 16 B) 18 C) 20 D) 24 E) 36

15.



- A) 6 B) 10 C) 12 D) 15 E) 40

16.



- A) 62 B) 68 C) 74 D) 78 E) 82

17.

45		75		36	
9	10	3	50	8	?

- A) 7 B) 8 C) 9 D) 10 E) 12

Cevap Anahtarı – Answer Sheet

1.C	2.D	3.E	4.D	5.B	6.D
7.D	8.B	9.A	10.B	11.C	12.A
13.B	14.E	15.C	16.D	17.C	



1.

30		66		72	
12	5	12	11	?	72

A) 1 B) 2 C) 3 D) 4 E) 5

2.

7		18		12	
9	126	?	180	5	120

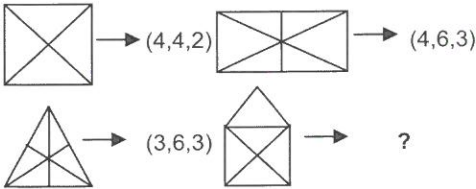
A) 1 B) 2 C) 3 D) 4 E) 5

3.

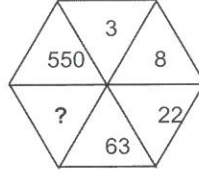
11	14	8
13	6	7
12	15	11

A) 11 B) 10 C) 9 D) 8 E) 7

4.

A) 5, 4, 3 B) 5, 6, 2 C) 5, 7, 3
D) 5, 4, 2 E) 5, 5, 3

5.

A) 120 B) 126 C) 129
D) 185 E) 189

6.

49	248	28	368
6	8	4	?

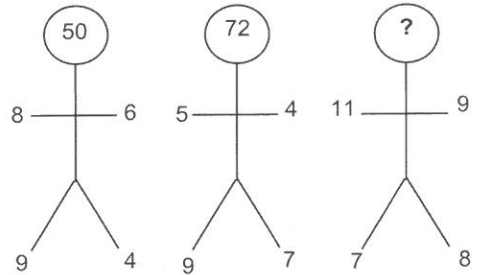
A) 2 B) 9 C) 10 D) 12 E) 17

7.

45	4	32	?
7	6	8	

A) 9 B) 16 C) 28 D) 25 E) 32

8.



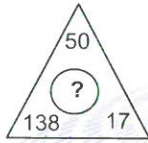
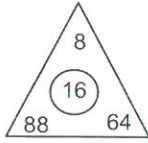
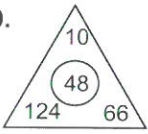
A) 16 B) 33 C) 57 D) 63 E) 76



9. 2,3 3,1 4,7 7,9 ?

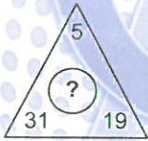
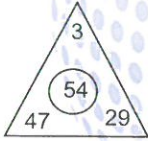
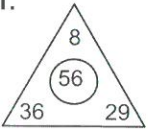
A) 8,7 B) 9,5 C) 10,3 D) 11,1 E) 14,3

10.



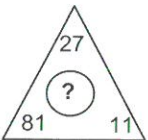
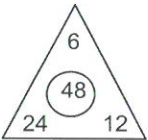
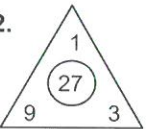
A) 31 B) 36 C) 64 D) 71 E) 86

11.



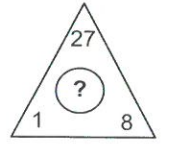
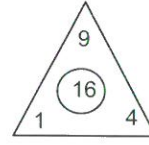
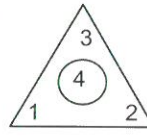
A) 30 B) 60 C) 65 D) 76 E) 100

12.



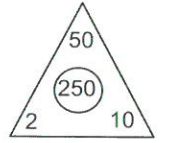
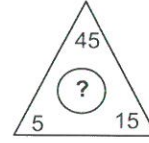
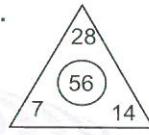
A) 33 B) 42 C) 49 D) 50 E) 54

13.



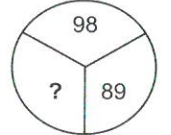
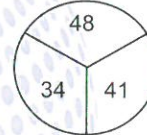
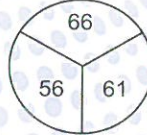
A) 72 B) 68 C) 64 D) 62 E) 60

14.



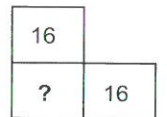
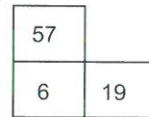
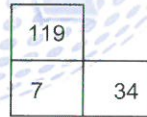
A) 90 B) 135 C) 140 D) 150 E) 165

15.



A) 70 B) 79 C) 80 D) 81 E) 86

16.



A) 8 B) 5 C) 4 D) 3 E) 2

Cevap Anahtarı – Answer Sheet

1.B	2.E	3.E	4.E	5.D	6.D
7.E	8.E	9.E	10.D	11.B	12.A
13.C	14.B	15.C	16.E		

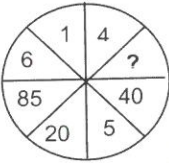


1.

5	12	9	?
10	108	54	?

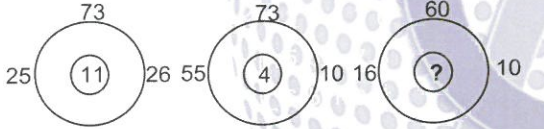
- A) $\frac{4}{4}$ B) $\frac{6}{12}$ C) $\frac{8}{36}$
D) $\frac{11}{89}$ E) $\frac{10}{60}$

2.



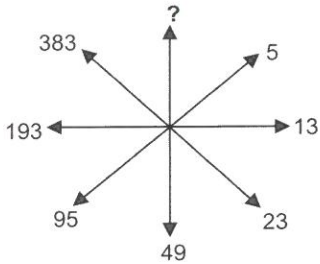
- A) 3 B) 5 C) 7 D) 9 E) 12

3.



- A) 10 B) 11 C) 12 D) 13 E) 17

4.



- A) 779 B) 763 C) 759 D) 4 E) 1

5.

3	6	18
2	4	12
72	360	?
48	240	?

- A) $\frac{2160}{1440}$ B) $\frac{3160}{1440}$ C) $\frac{1267}{100}$
D) $\frac{1500}{1300}$ E) $\frac{1600}{1200}$

6.

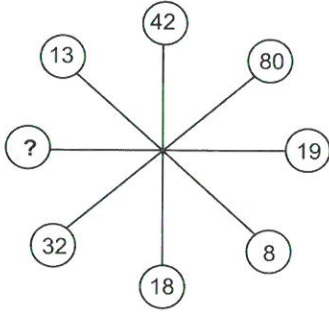
8	10	11
26	24	23
12	14	?
22	20	?

- A) $\frac{13}{21}$ B) $\frac{16}{18}$ C) $\frac{15}{19}$
D) $\frac{4}{30}$ E) $\frac{6}{24}$

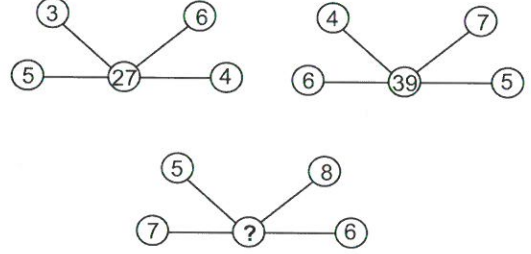
7.

4	8	24
7	21	84
5	?	10
8	?	15

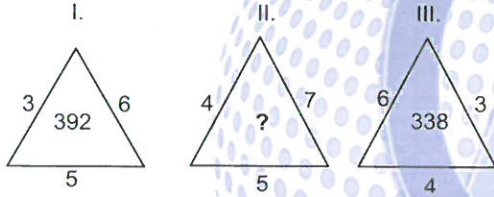
- A) $\frac{7}{11}$ B) $\frac{8}{9}$ C) $\frac{6}{12}$
D) $\frac{7}{10}$ E) $\frac{8}{11}$

**8.**

- A) 20 B) 28 C) 38 D) 50 E) 65

11.

- A) 26 B) 53 C) 55 D) 62 E) 84

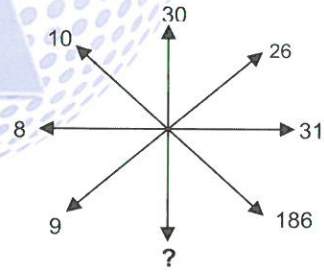
9.

- A) 285 B) 366 C) 450 D) 484 E) 512

12.

I.	II.	III.												
<table><tr><td>2</td><td>6</td></tr><tr><td>20</td><td>12</td></tr></table>	2	6	20	12	<table><tr><td>5</td><td>4</td></tr><tr><td>29</td><td>20</td></tr></table>	5	4	29	20	<table><tr><td>9</td><td>4</td></tr><tr><td>?</td><td>36</td></tr></table>	9	4	?	36
2	6													
20	12													
5	4													
29	20													
9	4													
?	36													
I.	II.	III.												

- A) 12 B) 24 C) 49 D) 56 E) 64

13.

- A) 198 B) 193 C) 185 D) 179 E) 177

10.

I.	II.	III.												
<table><tr><td>2</td><td>3</td></tr><tr><td>4</td><td>7</td></tr></table>	2	3	4	7	<table><tr><td>8</td><td>27</td></tr><tr><td>64</td><td>343</td></tr></table>	8	27	64	343	<table><tr><td>16</td><td>?</td></tr><tr><td>256</td><td>2401</td></tr></table>	16	?	256	2401
2	3													
4	7													
8	27													
64	343													
16	?													
256	2401													

- A) 36 B) 64 C) 81 D) 121 E) 256

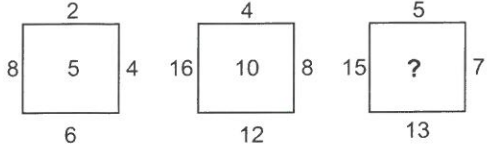
Cevap Anahtarı – Answer Sheet

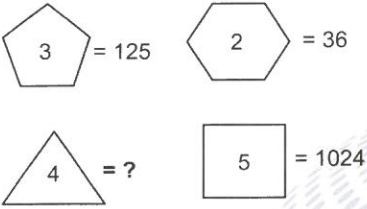
1.A	2.D	3.E	4.D	5.A	6.C
7.A	8.D	9.E	10.C	11.B	12.C
13.D					

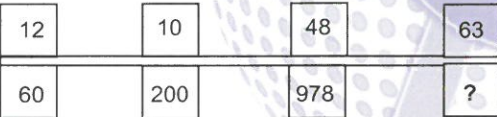


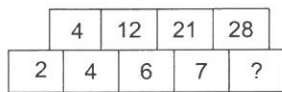
SAYISAL İLİŞKİLER

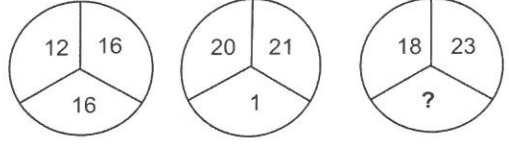
TEST - 11

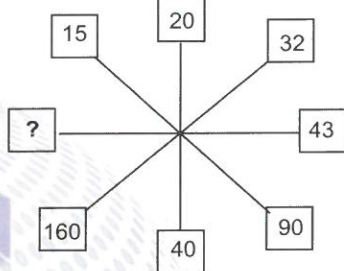
1. 
A) 5 B) 6 C) 7 D) 8 E) 10

2. 
A) 16 B) 36 C) 64 D) 81 E) 256

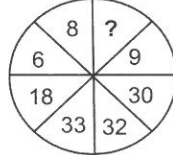
3. 
A) 309 B) 630 C) 468 D) 999 E) 566

4. 
A) 3 B) 8 C) 10 D) 12 E) 14

5. 
A) 20 B) 22 C) 25 D) 34 E) 46

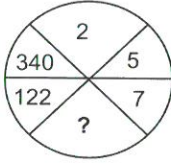
6. 
A) 50 B) 86 C) 238 D) 265 E) 301

7. 
A) 43 B) 41 C) 38 D) 32 E) 6

8. 
A) 7 B) 10 C) 11 D) 13 E) 15

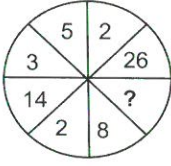


9.



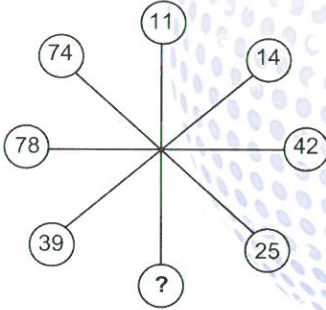
- A) 5 B) 15 C) 36 D) 81 E) 90

10.



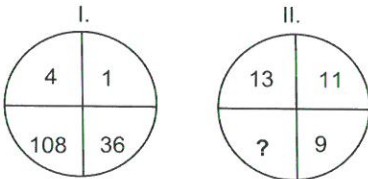
- A) 24 B) 16 C) 13 D) 6 E) 4

11.



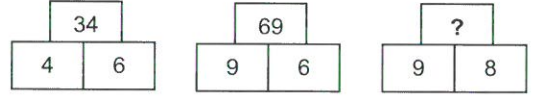
- A) 8 B) 14 C) 15 D) 27 E) 32

12.



- A) 81 B) 18 C) 27 D) 36 E) 54

13.



- A) 68 B) 71 C) 89 D) 96 E) 102

14.

▲	3	6	4
8	22	28	I
7	II	2	6
3	18	III	24

I, II, III = ?

- A) 24, 8, 18 B) 12, 8, 14
C) 24, 4, 18 D) 24, 8, 36
E) 32, 20, 36

15.

I.	II.	III.
18	2	30
9	6	?
3	2	4

- A) 19 B) 23 C) 34 D) 38 E) 42

16.

I.	12	23
II.	34	65
III.	44	85
IV.	56	?

- A) 112 B) 110 C) 109 D) 107 E) 98

Cevap Anahtarı – Answer Sheet

1.E	2.D	3.C	4.B	5.C	6.E
7.E	8.C	9.A	10.E	11.D	12.B
13.C	14.D	15.C	16.D		



1.

3	5	9
4	7	13
5	?	17

- A) 9 B) 12 C) 15 D) 18 E) 21

2.

	A	B
I.	50	10
II.	24	6
III.	?	?
IV.	4	2

- A) 30,6 B) 24,6 C) 36,6 D) 9,3 E) 24,3

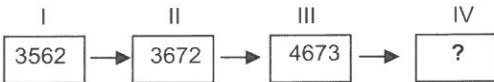
3.

$\frac{x}{y}$	$\frac{y}{z}$	$\frac{z}{x}$
2	7	3
4	13	6
6	19	9
8	25	12

$$z = 30 \Rightarrow (x + y) = ?$$

- A) 64 B) 73 C) 81 D) 93 E) 105

4.



- A) 1245 B) 2461 C) 3452 D) 4783 E) 5896

5.

a	3	5	8	...
b	12	20	32	...

b	2	4	7	...
c	5	11	20	...

$$c = 23 \Rightarrow a = ?$$

- A) 1 B) 2 C) 3 D) 4 E) 6

6.

*	3	4	5
8	55	48	A
9	72	B	56
6	C	20	11

$$A + B + C = ?$$

- A) 98 B) 101 C) 109 D) 121 E) 131

7.

54	15	40	?
9	3	8	13

- A) 82 B) 91 C) 104 D) 154 E) 176

8.

- I. $\boxed{3} + \boxed{6} = 0$
 II. $\triangle 6 - \boxed{2} = -5$
 III. $\triangle 2 + \triangle 1 = 6$
 IV. $\triangle 3 - \boxed{2} = ?$

- A) 1 B) 5 C) 7 D) 11 E) 16



9. I. $\square 2 + \triangle 3 = 6$
II. $\triangle 5 - \square 1 = 3$
III. $\square 3 + \triangle 2 = 9$
IV. $\square 7 - \square 4 = ?$
A) 1 B) 3 C) 7 D) 9 E) 10

10. I.

4	12
108	36

 → II.

2	?
432	72

A) 4 B) 6 C) 8 D) 12 E) 24

11.

I	4	9	16	25	36	?
II	8	10	13	17	22	?

A) $\frac{49}{29}$ B) $\frac{48}{28}$ C) $\frac{49}{28}$ D) $\frac{49}{27}$ E) $\frac{46}{28}$

12. I.

2	7
5	3

 →

2	17
11	5

II.

6	4
8	13

 →

?	?
?	?

A)

6	14
14	16

 B)

12	6
18	33

 C)

14	5
25	35

D)

6	14
20	39

 E)

14	8
20	35

13. I.

4	12
9	4

 II.

4	14
7	7

 III.

2	16
4	32

 IV.

2	8
?	4

A) 5 B) 6 C) 7 D) 8 E) 9

14.

5

 = 125

5

 = 25

3

 = 27

3

 = 9

4

 +

6

 = ?
A) 52 B) 64 C) 96 D) 100 E) 125

15. I. 52 II. 63 III. 51 IV. 87 V. 95
21 27 24 15 ?
A) 14 B) 28 C) 32 D) 36 E) 56

16. I. 21 II. 32 III. 58 IV. 43
40 61 107 ?
A) 65 B) 68 C) 74 D) 82 E) 86

Cevap Anahtarı – Answer Sheet

1.A	2.D	3.C	4.D	5.B	6.E
7.C	8.A	9.D	10.D	11.C	12.E
13.D	14.D	15.E	16.D		



1. I. 13 1
II. 17 4
III. 22 8
IV. 33 18
V. 39 ?

A) 20 B) 22 C) 23 D) 25 E) 27

2. I. 4 7 12 21 ?
II. 7 19 53 153 ?

A) 36, 402
C) 42, 459

B) 38, 403
D) 38, 451

E) 38, 459

3. I. 64 66
II. 32 38
III. 16 26
IV. 8 22
V. ? ?

A) 4, 18

B) 2, 16

C) 4, 20

D) 4, 16

E) 4, 22

4. I. 144 64
II. 32 72
III. ? ?
IV. 8 18
V. 9 4

A) 24, 9

B) 16, 24

C) 36, 16

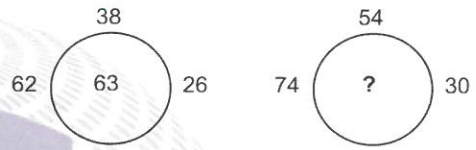
D) 16, 48

E) 20, 24

5. I. 4 8 24 96
II. 6 24 120 720
III. 5 15 60 300
IV. ? ? 210 1470

A) 7, 42 B) 7, 105 C) 7, 35 D) 7, 28 E) 7, 39

6.



A) 69 B) 79 C) 89 D) 98 E) 99

7.

45	13	25	25
29	19	?	

A) 18

B) 19

C) 25

D) 27

E) 39

8.

3	8	4	6	7
25	27	23	?	

A) 24

B) 26

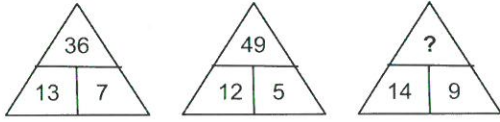
C) 27

D) 29

E) 31

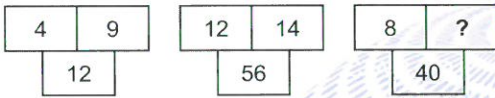


9.



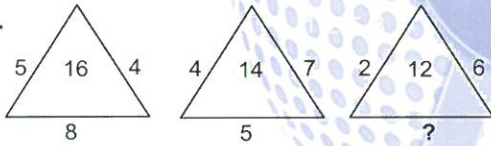
- A) 22 B) 25 C) 55 D) 144 E) 529

10.



- A) 5 B) 6 C) 10 D) 11 E) 15

11.



- A) 10 B) 11 C) 12 D) 13 E) 14

12.

3	4	1	6
5	16	20	?
2	7	8	3

- A) 17 B) 18 C) 20 D) 25 E) 27

13.

1	4	9	16	25	36	?
7	8	10	13	17	22	?

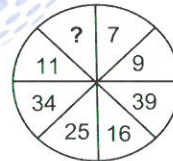
- A) 48
29 B) 49
29 C) 48
28 D) 49
28 E) 49
27

14.

5	7	19	67	75	?	299
3	9	23	37	203	?	1823

- A) 601
149 B) 603
151 C) 607
149 D) 605
149 E) 605
151

15.



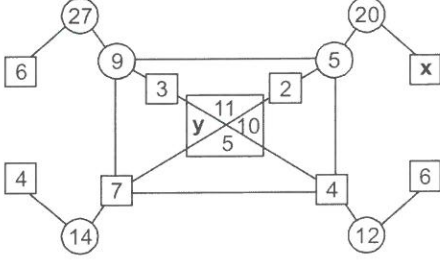
- A) 2 B) 3 C) 4 D) 5 E) 6

Cevap Anahtarı – Answer Sheet

1.C	2.B	3.E	4.C	5.C	6.B
7.C	8.D	9.B	10.E	11.A	12.B
13.D	14.C	15.D			



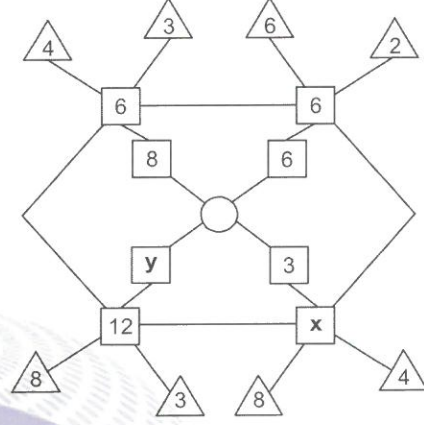
1.



$x - y = ?$

- A) 1 B) 2 C) 3 D) 4 E) 5

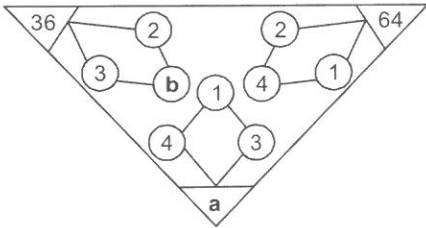
3.



$x - y = ?$

- A) 13 B) 14 C) 15 D) 16 E) 17

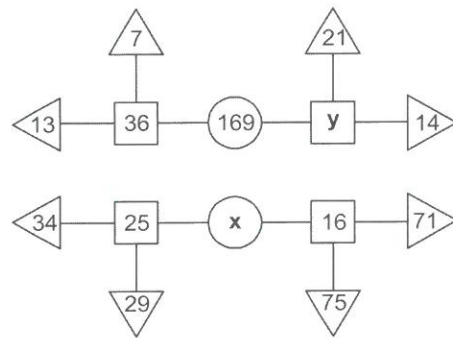
2.



$\frac{a}{b} = ?$

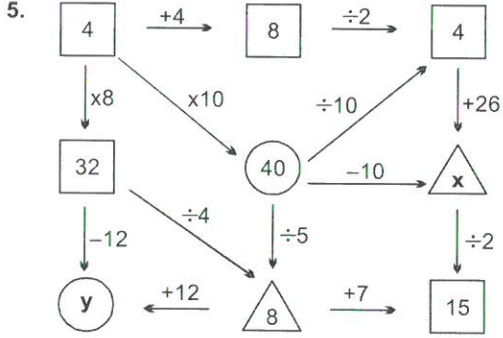
- A) 144 B) 145 C) 146 D) 147 E) 148

4.



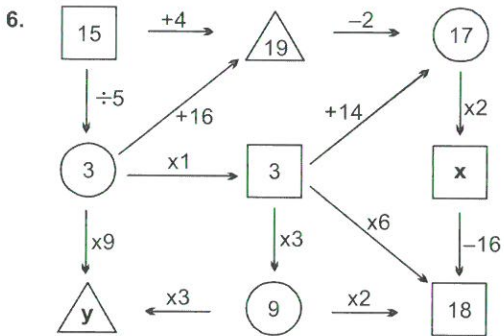
$x - y = ?$

- A) 30 B) 32 C) 34 D) 36 E) 38



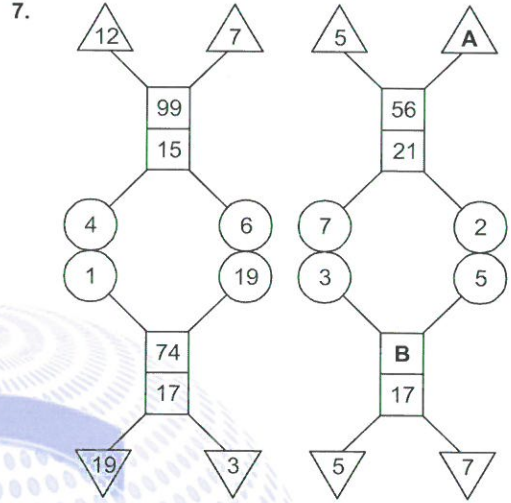
$x - y = ?$

- A) 8 B) 10 C) 12 D) 14 E) 16



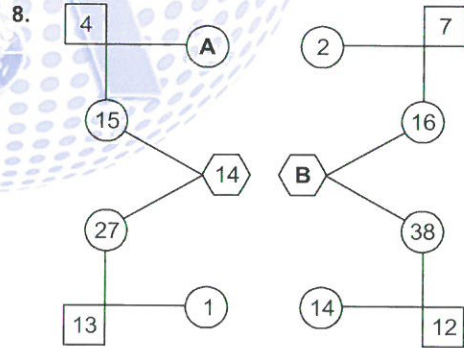
$x - y = ?$

- A) 7 B) 8 C) 9 D) 10 E) 11



$A + B = ?$

- A) 55 B) 57 C) 59 D) 70 E) 75



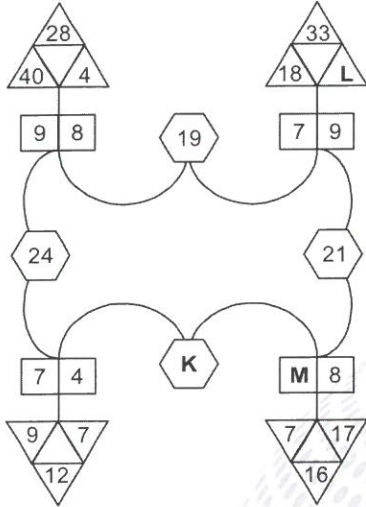
$B - A = ?$

- A) 3 B) 5 C) 7 D) 9 E) 11

Cevap Anahtarı – Answer Sheet

1.B	2.A	3.A	4.B
5.B	6.A	7.C	8.E

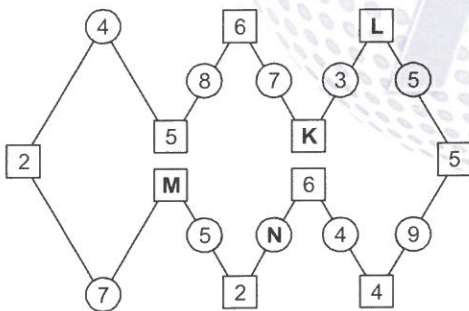
1.



$$(L + M) - K = ?$$

- A) 11 B) 12 C) 13 D) 14 E) 15

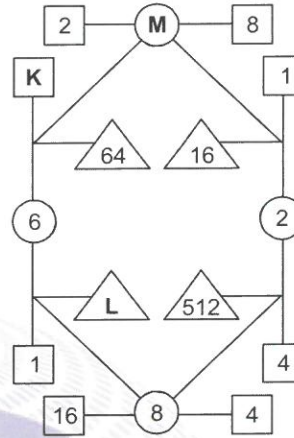
2.



K, L, M, N = ?

	<u>K</u>	<u>L</u>	<u>M</u>	<u>N</u>
A)	3	6	6	8
B)	3	8	6	8
C)	3	6	8	6
D)	3	8	8	6
E)	8	3	6	8

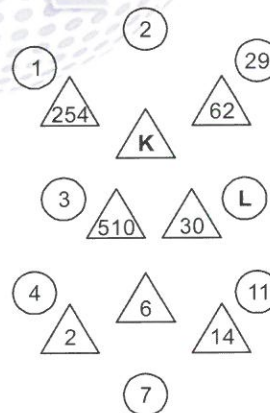
3.



$$L - (K + M) = ?$$

- A) 20 B) 21 C) 22 D) 23 E) 24

4.

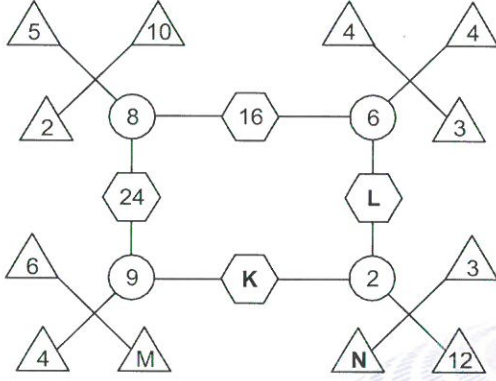


$$\frac{K}{L} = ?$$

- A) 2 B) 4 C) 6 D) 7 E) 8



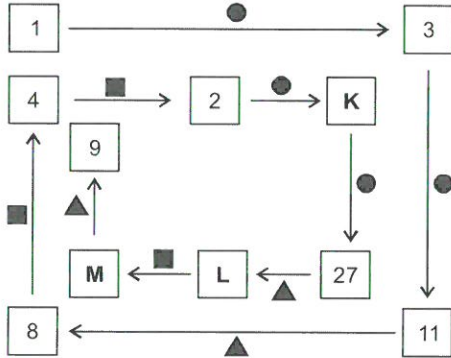
5.



$$K + L + M + N = ?$$

- A) 16 B) 17 C) 18 D) 19 E) 20

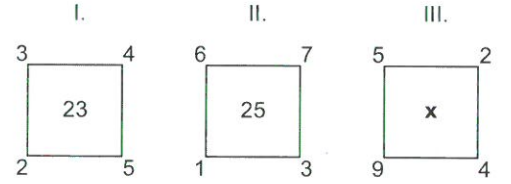
6.



$$K + L + M = ?$$

- A) 41 B) 42 C) 43 D) 44 E) 45

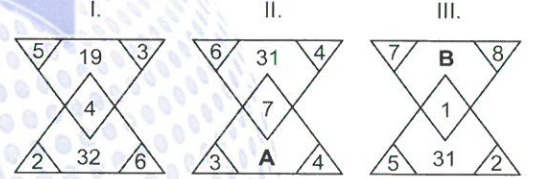
7.



$$x = ?$$

- A) 38 B) 40 C) 42 D) 44 E) 46

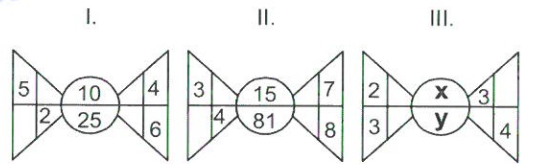
8.



$$A, B = ?$$

- A) 56, 55 B) 57, 56 C) 57, 57 D) 56, 57 E) 57, 58

9.



$$x, y = ?$$

- A) 9, 7 B) 9, 12 C) 6, 81 D) 5, 81 E) 5, 64

Cevap Anahtarı – Answer Sheet

1.A	2.D	3.E	4.D	5.B
6.C	7.A	8.C	9.D	

7. BÖLÜM

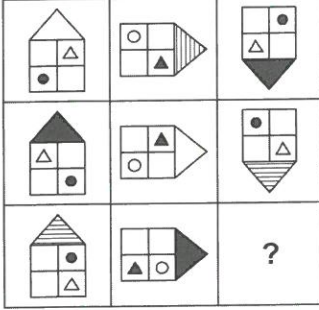
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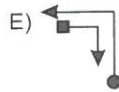
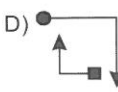
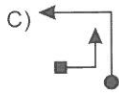
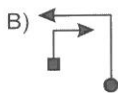
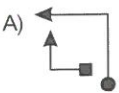
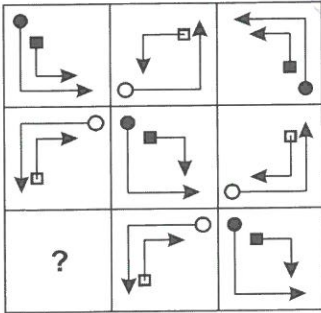




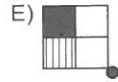
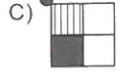
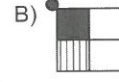
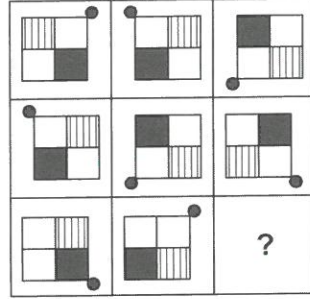
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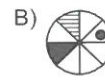
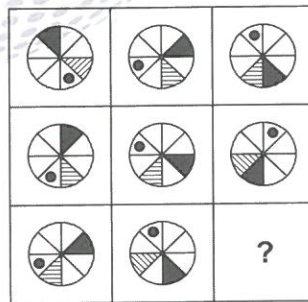
2.



3.



4.

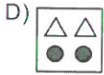
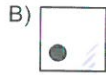
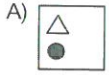
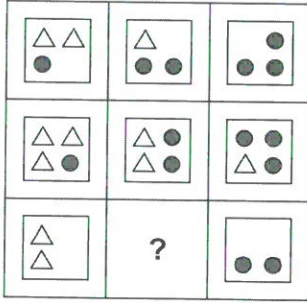




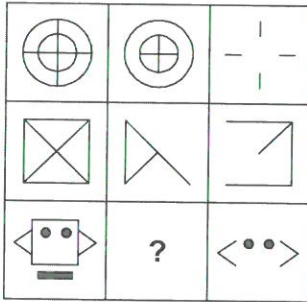
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TEST – 1

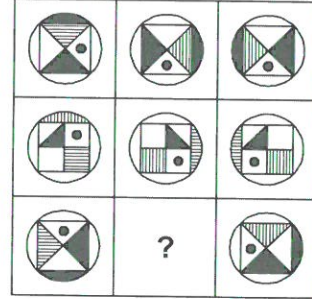
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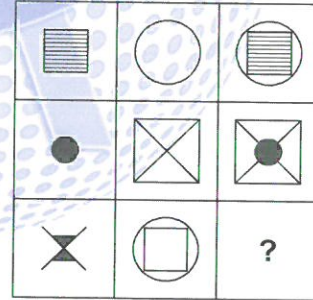
6.



7.



8.

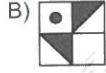
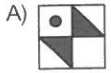
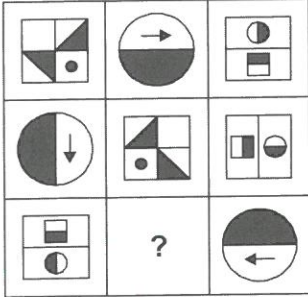


Cevap Anahtarı – Answer Sheet

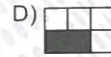
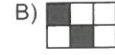
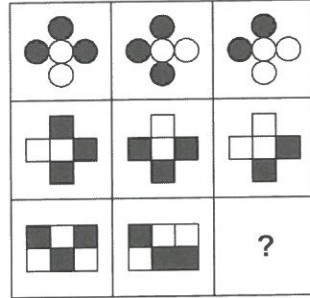
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5.A	6.B	7.B	8.D



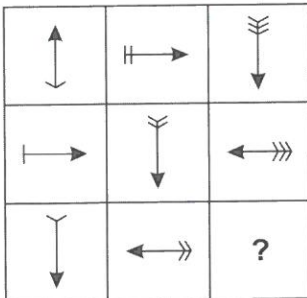
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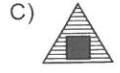
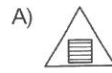
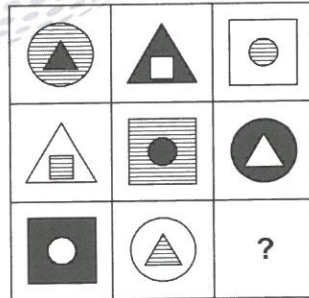
3.



2.



4.

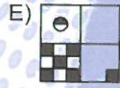
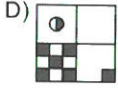
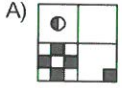
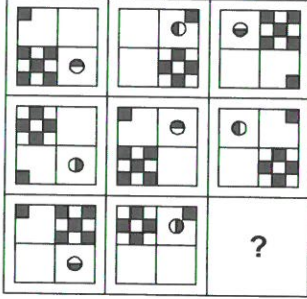




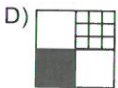
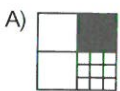
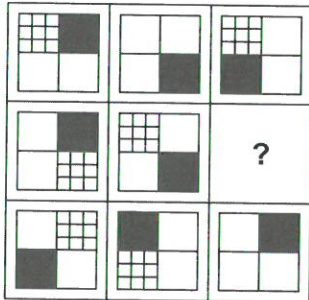
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TEST – 2

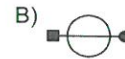
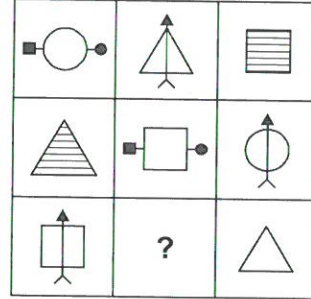
5.



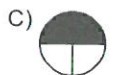
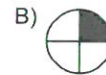
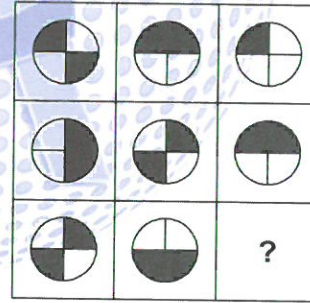
6.



7.



8.

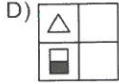
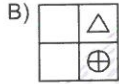
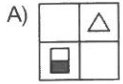
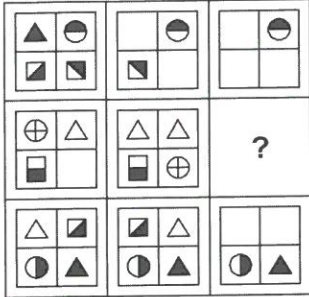


Cevap Anahtarı – Answer Sheet

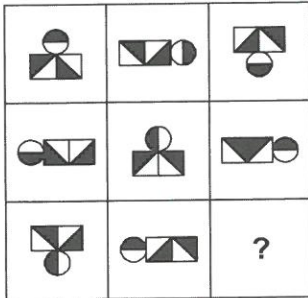
1.C	2.B	3.B	4.C
5.E	6.E	7.A	8.D



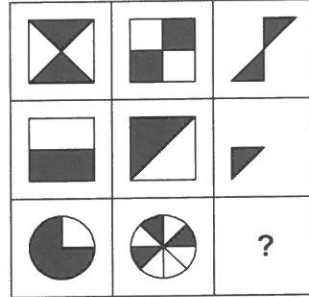
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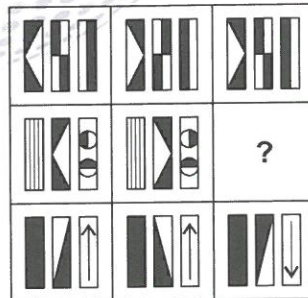
2.



3.

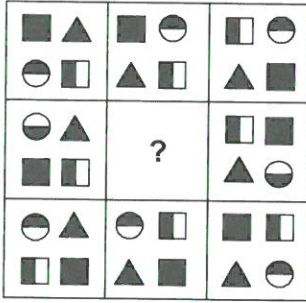


4.

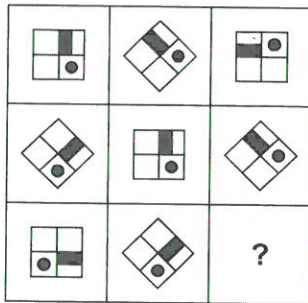




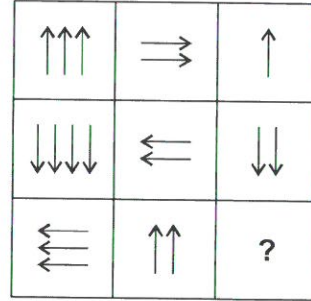
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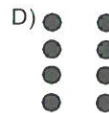
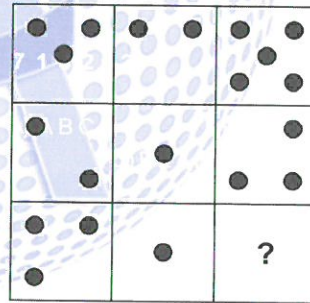
6.



7.



8.



Cevap Anahtarı – Answer Sheet

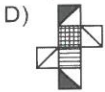
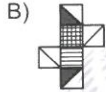
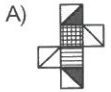
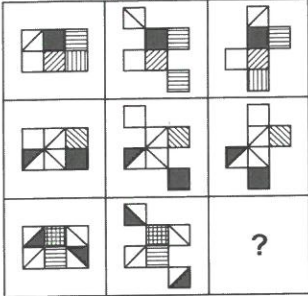
1.A	2.B	3.A	4.C
5.C	6.D	7.D	8.D



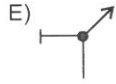
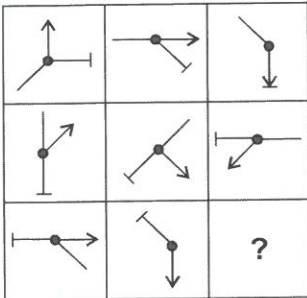
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TEST – 4

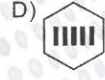
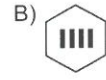
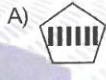
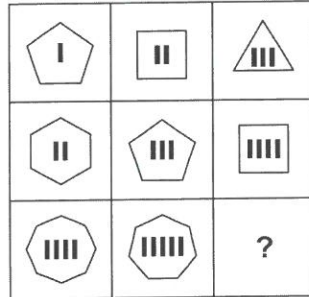
1.



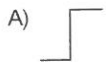
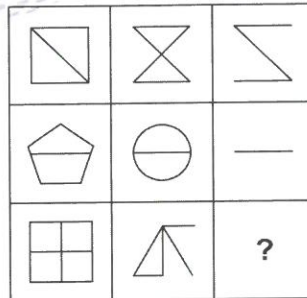
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3.

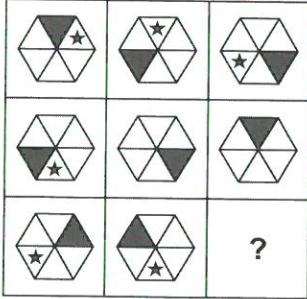


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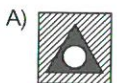
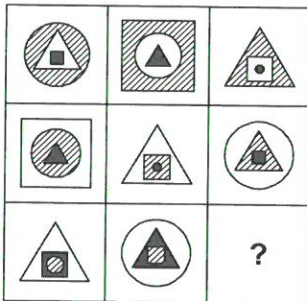




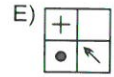
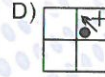
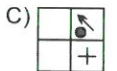
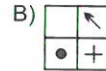
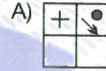
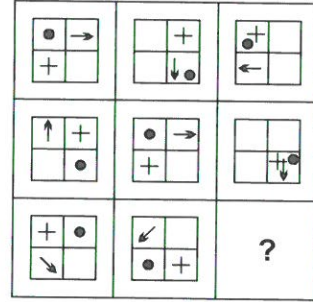
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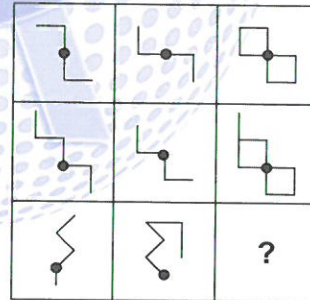
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7.

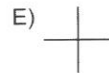
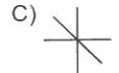
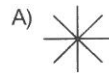
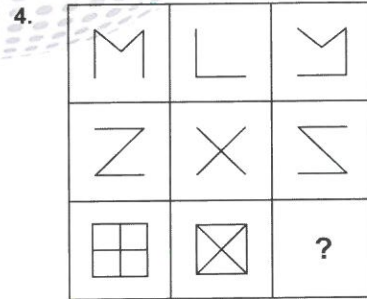
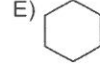
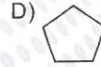
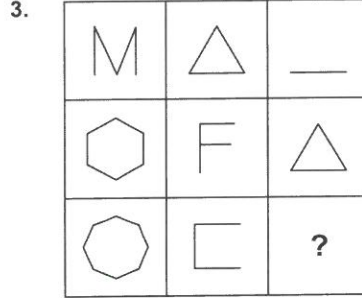
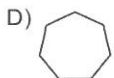
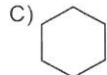
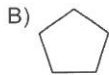
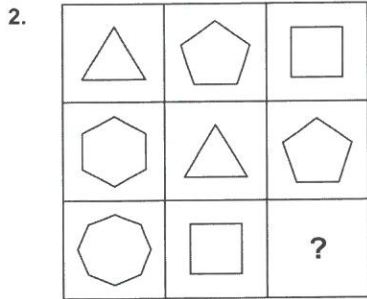
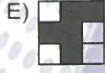
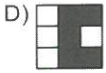
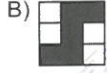
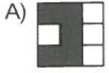
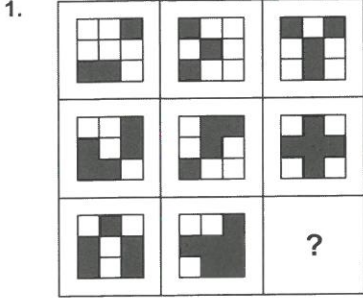


8.



Cevap Anahtarı – Answer Sheet

1.D	2.D	3.C	4.A
5.E	6.C	7.D	8.E

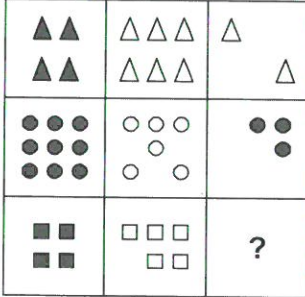




ŞEKİL MATRİSİ

TEST – 5

5.



A) □ □ □

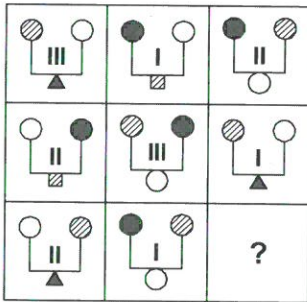
B) ■

C) □ □

D) □

E) ■ ■

6.



A) ○ ■

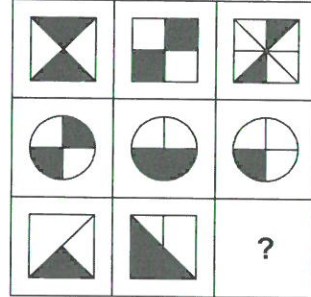
B) ● ■

C) ● ○

D) ● ○

E) ○ ●

7.



A)

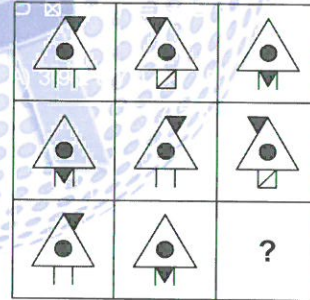
B)

C)

D)

E)

8.



A)

B)

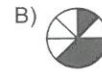
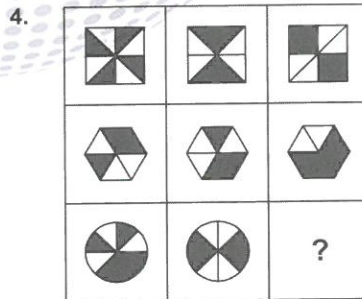
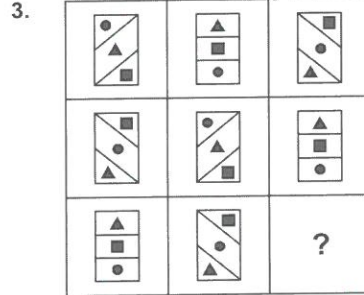
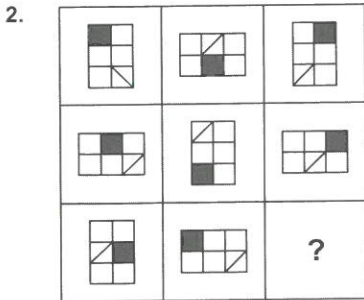
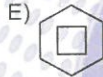
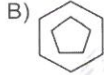
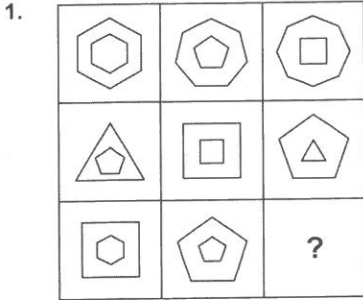
C)

D)

E)

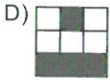
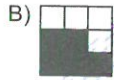
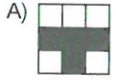
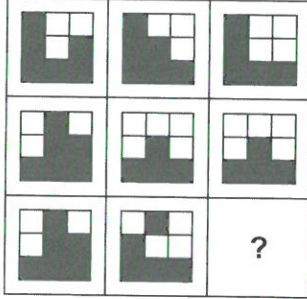
Cevap Anahtarı – Answer Sheet

1.B	2.C	3.D	4.A
5.D	6.E	7.E	8.B

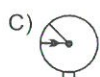
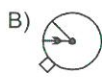
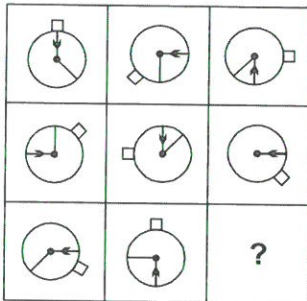




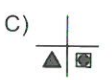
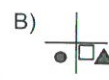
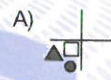
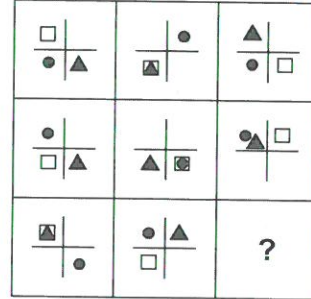
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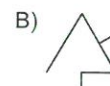
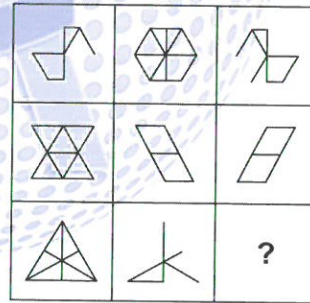
6.



7.

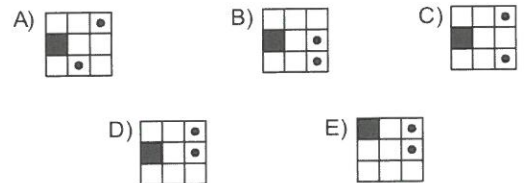
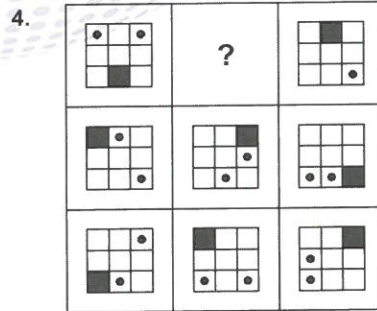
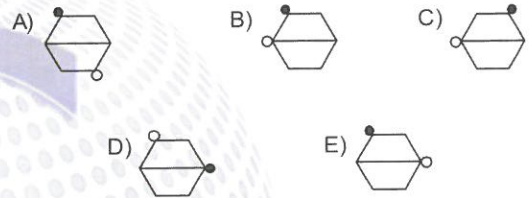
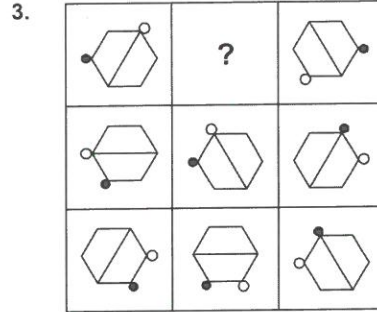
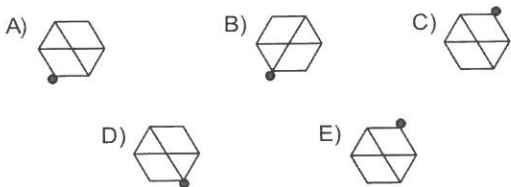
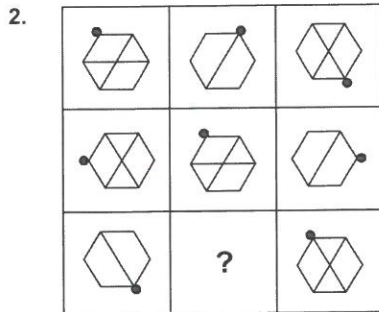
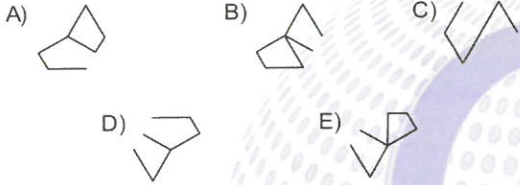
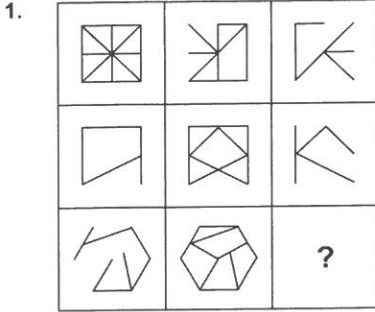


8.



Cevap Anahtarı – Answer Sheet

1.E	2.C	3.B	4.D
5.D	6.B	7.E	8.C

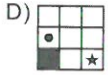
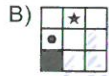
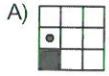
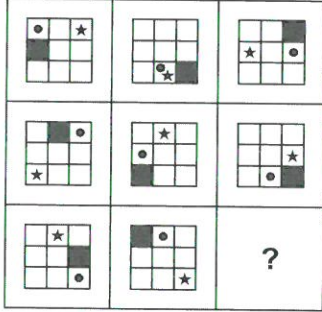




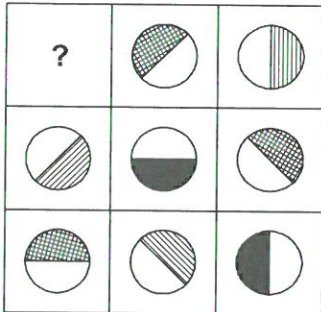
ŞEKİL MATRİSİ

TEST – 7

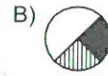
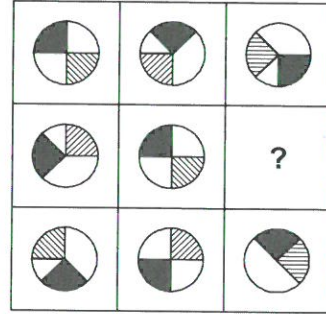
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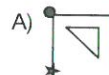
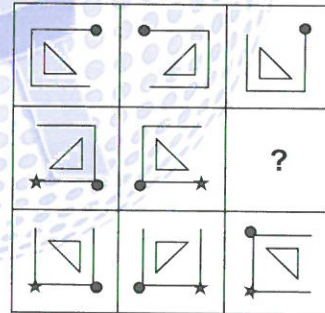
6.



7.



8.



Cevap Anahtarı – Answer Sheet

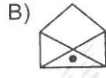
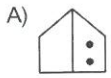
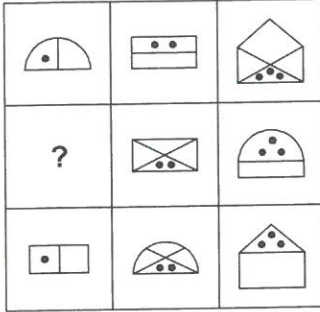
1.D	2.A	3.E	4.D
5.A	6.B	7.B	8.D



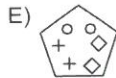
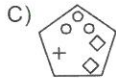
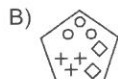
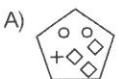
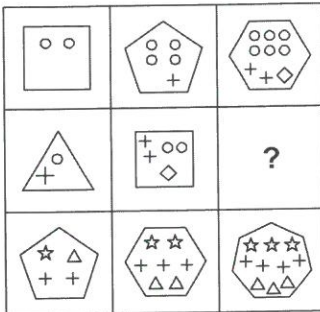
ŞEKİL MATRİSİ

TEST - 8

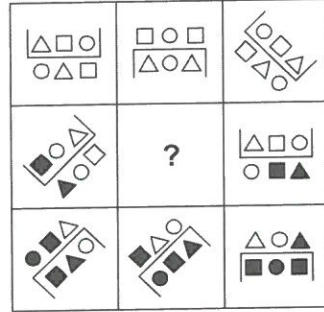
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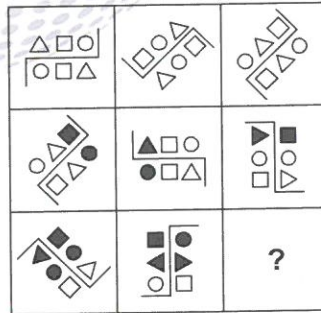
2.



3.



4.

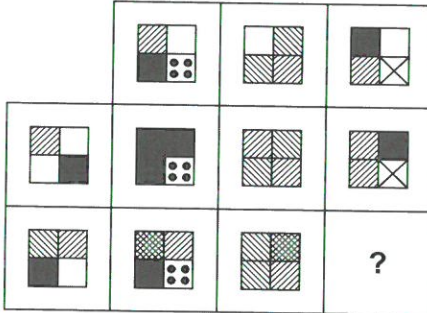




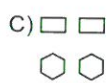
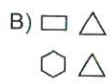
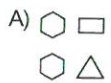
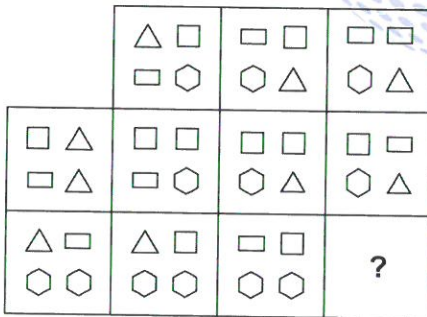
ŞEKİL MATRİSİ

TEST – 8

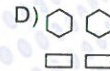
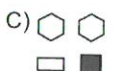
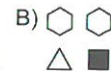
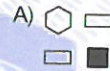
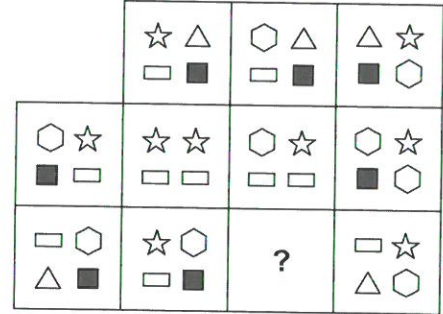
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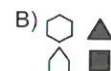
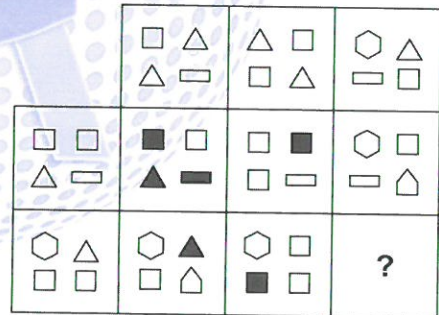
6.



7.



8.



Cevap Anahtarı – Answer Sheet

1.D	2.B	3.E	4.B
5.B	6.C	7.C	8.D



ŞEKİL MATRİSİ

TEST - 9

1.

	   	   	 
   		 	 
   	 	?	

A) 


B) 


C) 


D) 


E) 


3.

3	3	4	 
5	1	7	 
3	8	2	?

A) 

B) 

C) 

D) 

E) 

2.

			
I.	K	4	5
II.	3	L	3
III.	6	8	M

K = ? L = ? M = ?

K L M

A) 3 4 8

B) 4 4 8

C) 2 4 6

D) 3 5 6

E) 5 5 7

4.

4	3	6	
5	4	9	
7	6	8	?

A) 

B) 

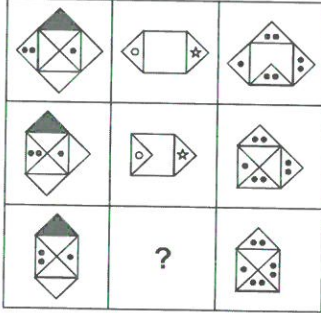
C) 

D) 

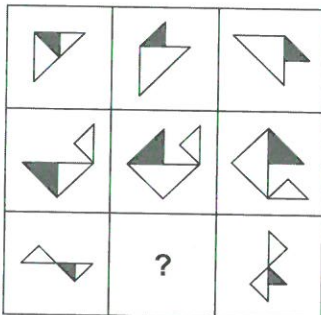
E) 



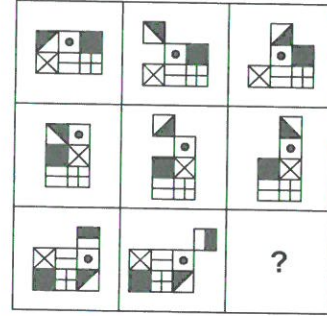
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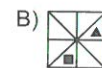
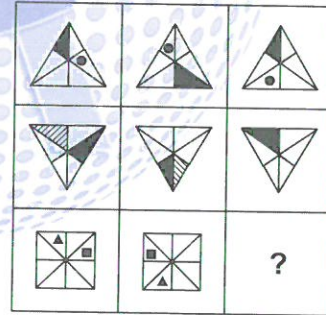
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7.



8.



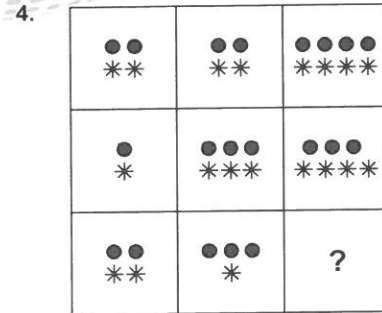
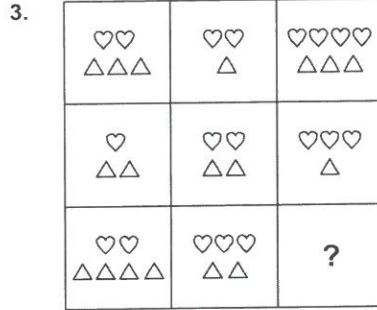
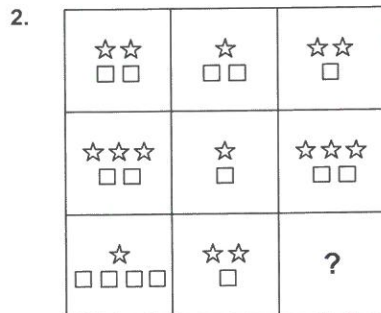
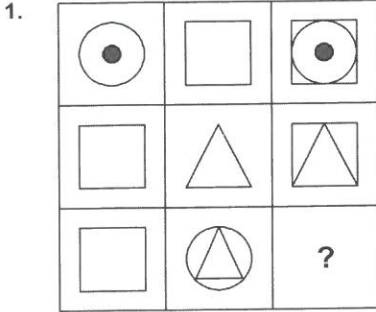
Cevap Anahtarı – Answer Sheet

1.E	2.A	3.B	4.B
5.C	6.E	7.C	8.A



ŞEKİL MATRİSİ

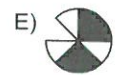
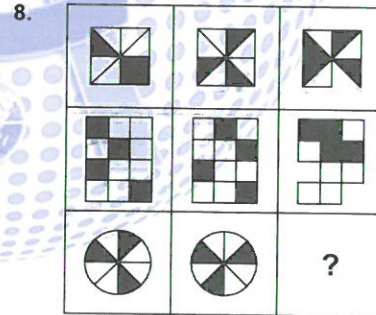
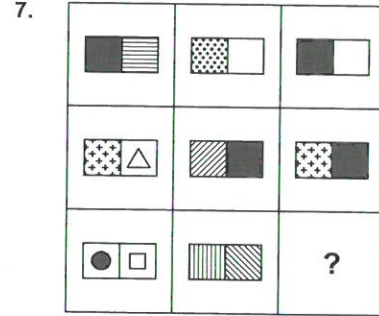
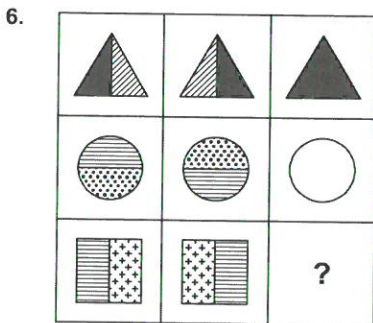
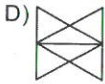
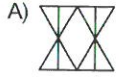
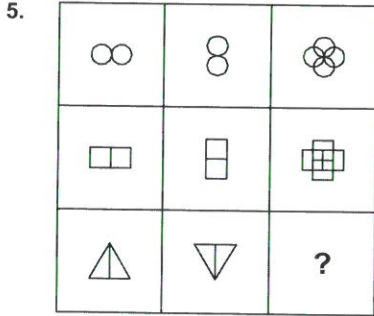
TEST - 10





ŞEKİL MATRİSİ

TEST – 10

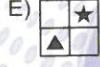
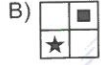
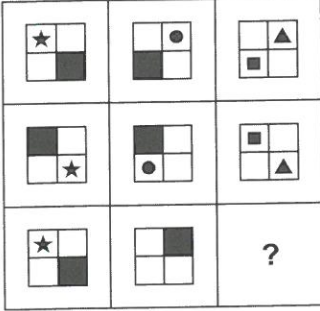


Cevap Anahtarı – Answer Sheet

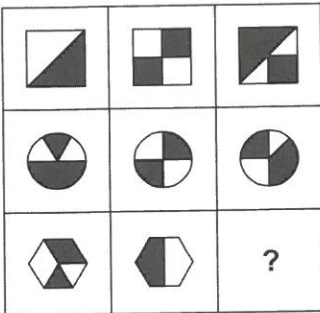
1.C	2.B	3.A	4.C
5.C	6.D	7.B	8.E



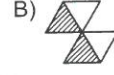
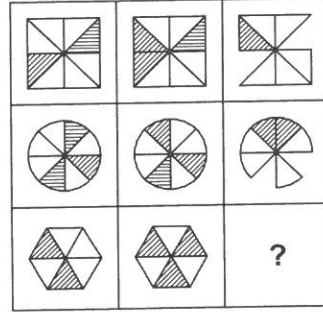
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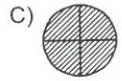
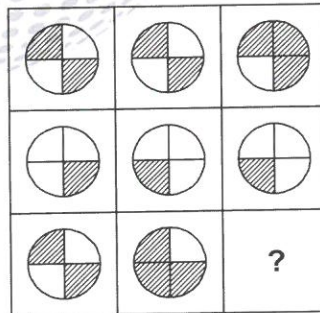
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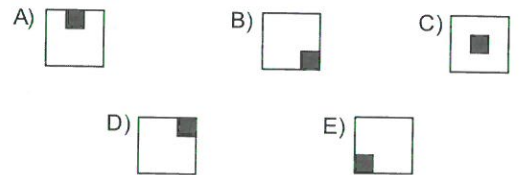
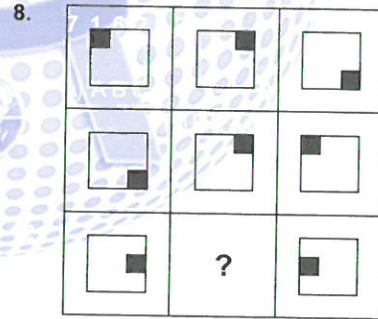
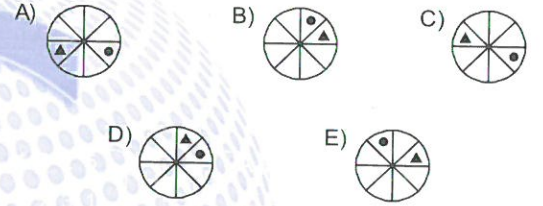
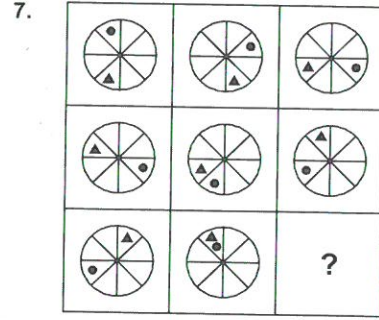
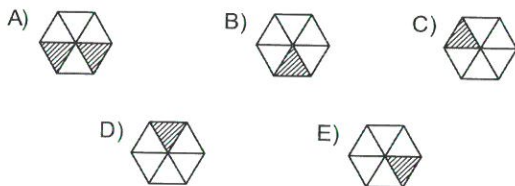
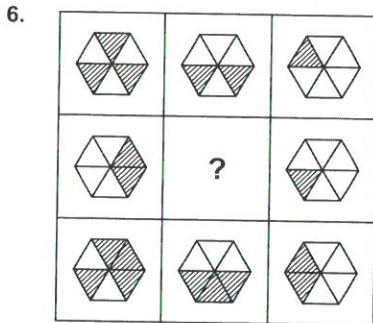
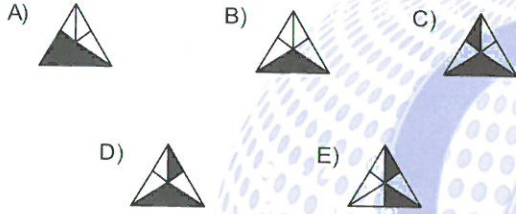
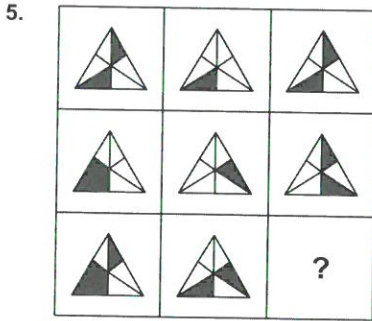


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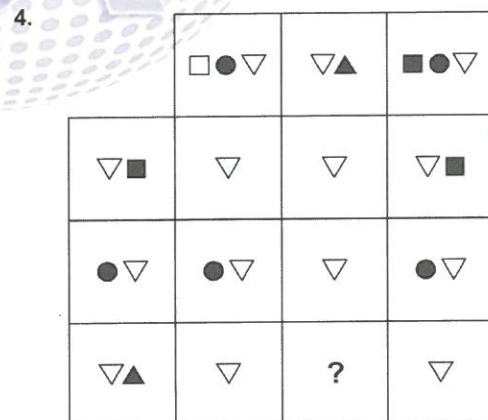
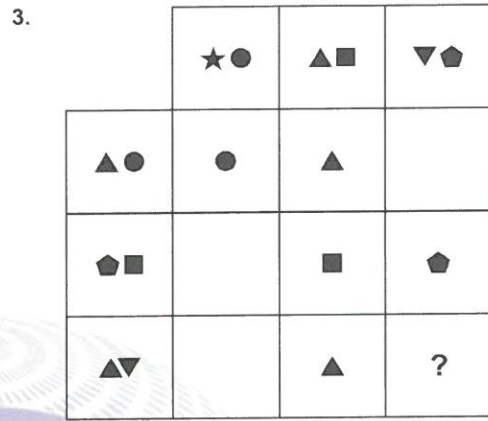
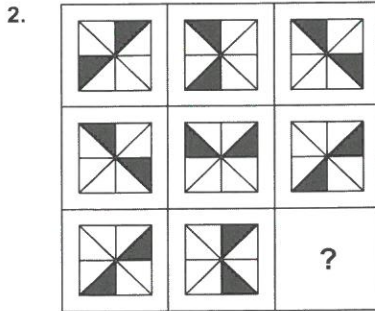
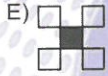
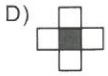
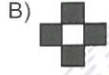
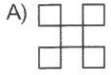
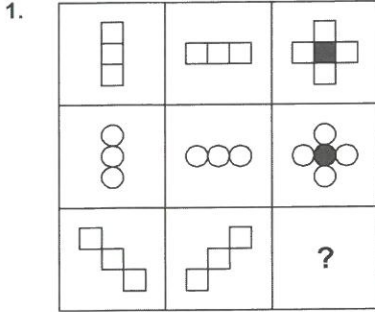
4.





Cevap Anahtarı – Answer Sheet

1.C	2.B	3.E	4.C
5.D	6.B	7.B	8.A





ŞEKİL MATRİSİ

TEST – 12

5.

	135	216	364
123	13	21	3
461	1	16	64
561	15	16	?

A) 61

B) 51

C) 56

D) 1

E) 6

6.

	abc	bdc	ebd
acd	db	ab	aceb
be	eac	edc	d
cba		ad	?

A) cead

B) caed

C) aedc

D) acbe

E) beca

7.

	☑▲●	▲□△
◆☑△	◆△▲●	◆☑▲□
▲●□	☑□	?

A) ●△

B) ▲●

C) ▲□

D) □△

E) ○▲

8.

☐☐ ☹	☹☹ ☹	△△ —
☹☹ —	?	☐☐ ☹
△△ ☹	☐☐ ☹	☹☹ ☹

A) ☐☐
☹

B) △△
—

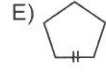
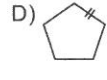
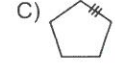
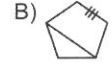
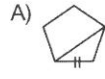
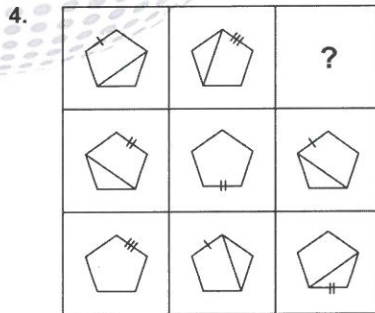
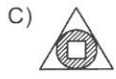
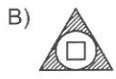
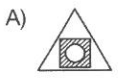
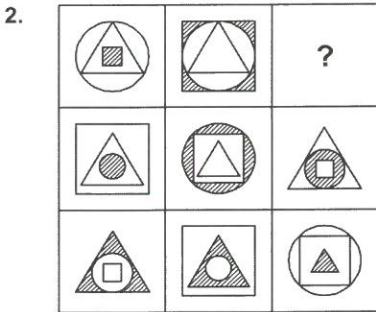
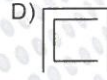
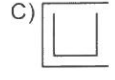
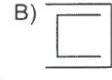
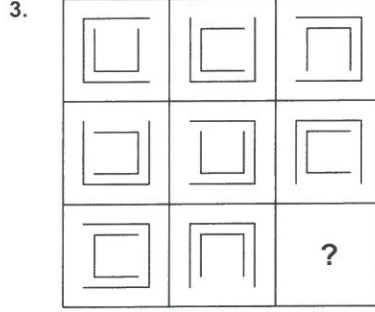
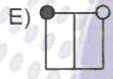
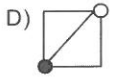
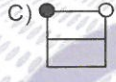
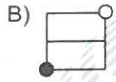
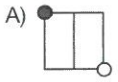
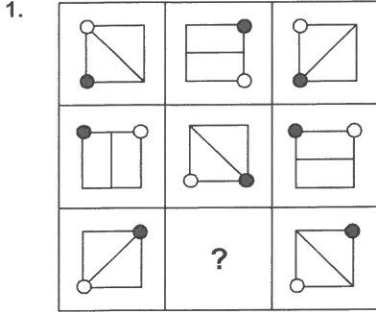
C) △△
☹

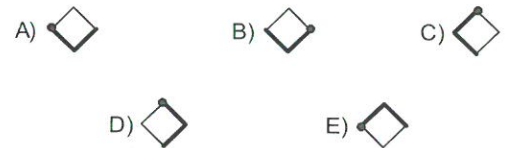
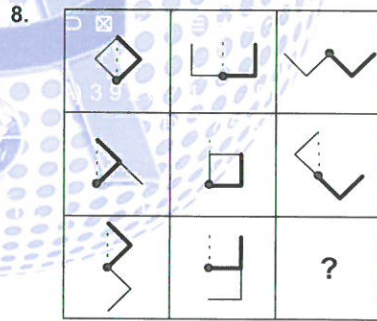
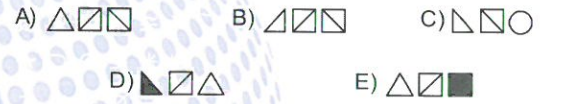
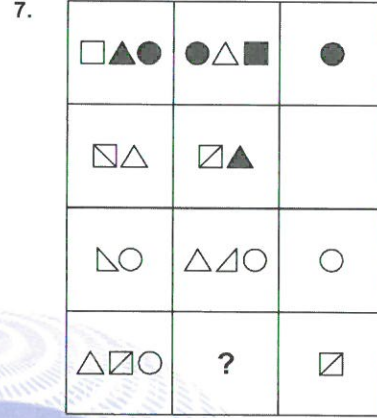
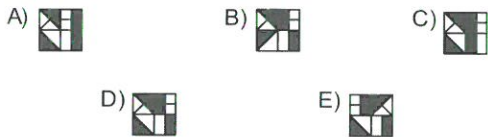
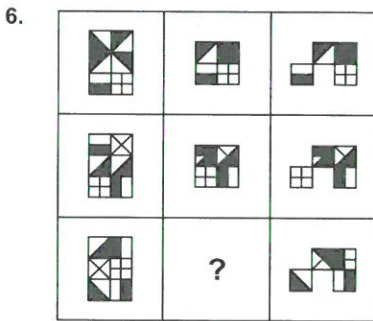
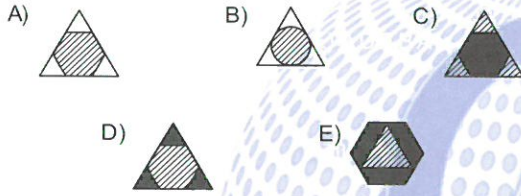
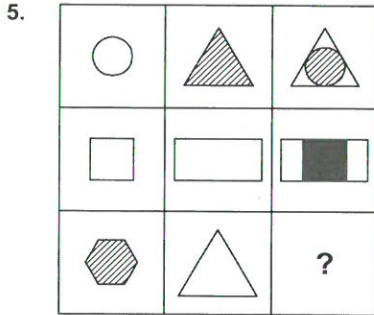
D) △△
☹

E) ☹☹
—

Cevap Anahtarı – Answer Sheet

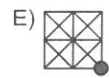
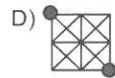
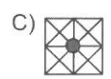
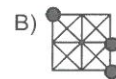
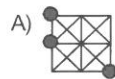
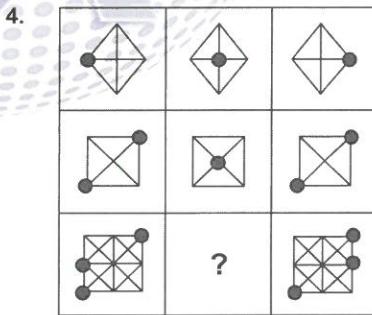
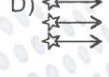
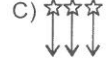
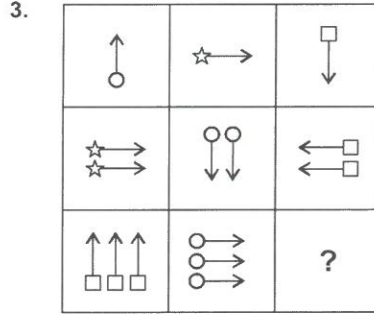
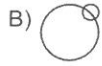
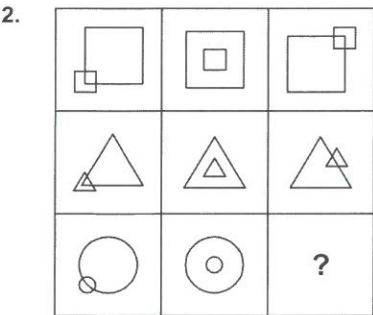
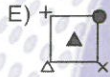
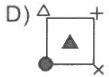
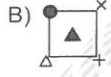
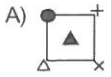
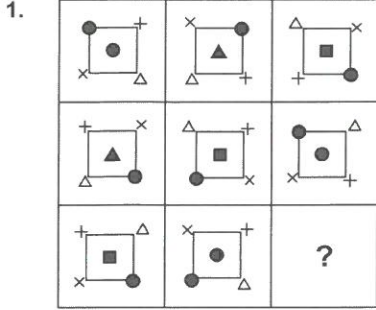
1.E	2.A	3.A	4.C
5.E	6.B	7.A	8.C





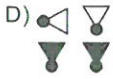
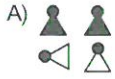
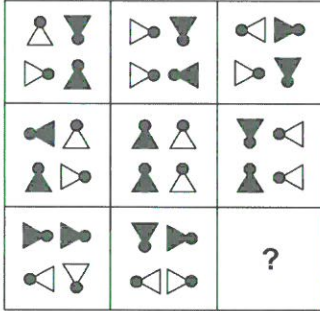
Cevap Anahtarı – Answer Sheet

1.B	2.A	3.E	4.C
5.A	6.D	7.B	8.A

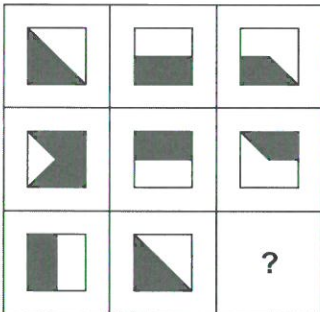




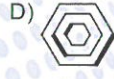
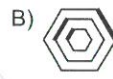
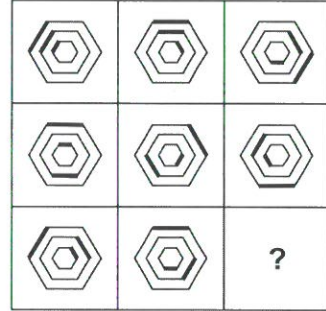
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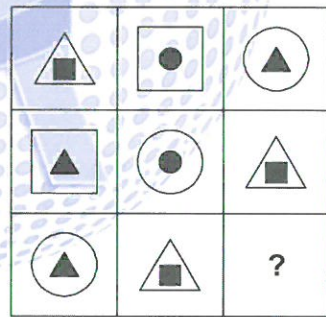
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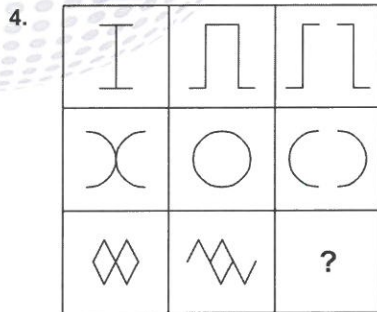
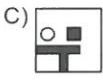
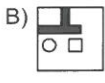
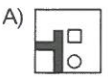
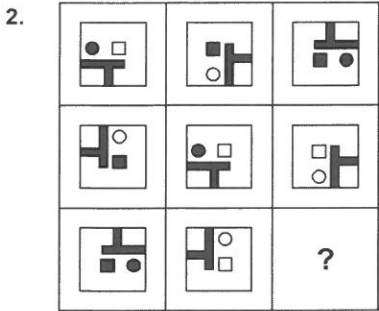
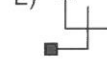
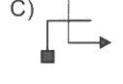
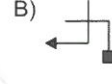
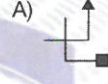
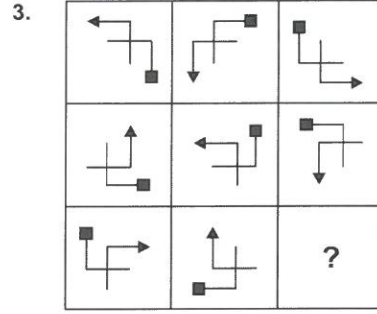
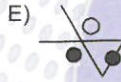
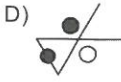
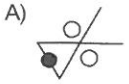
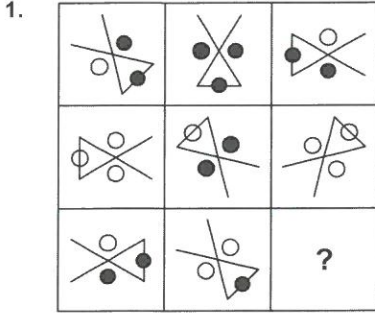


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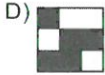
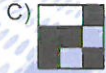
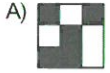
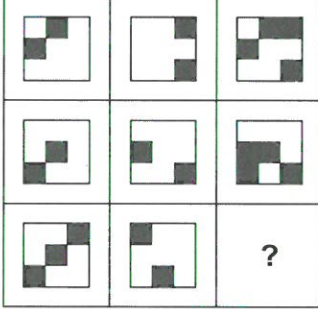
Cevap Anahtarı – Answer Sheet

1.B	2.B	3.C	4.C
5.A	6.D	7.C	8.A

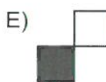
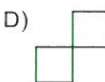
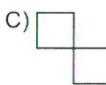
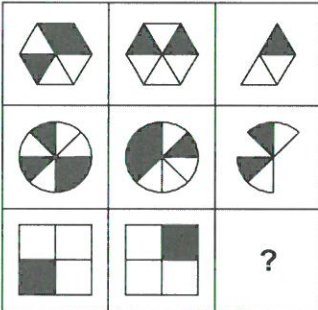




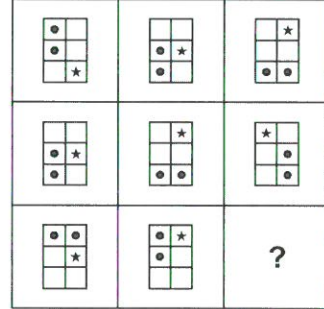
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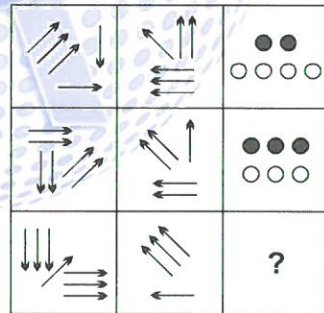
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8.



Cevap Anahtarı – Answer Sheet

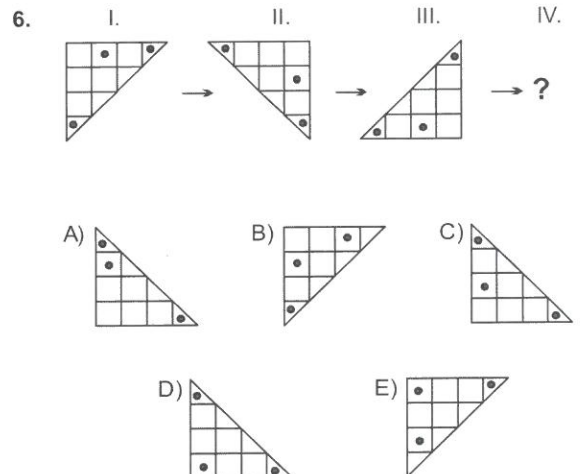
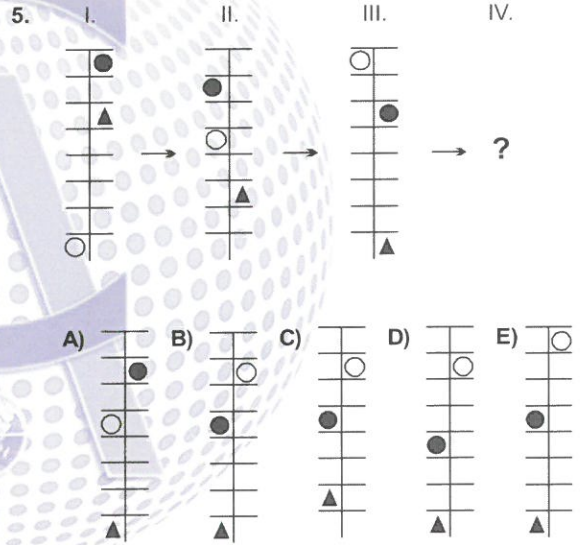
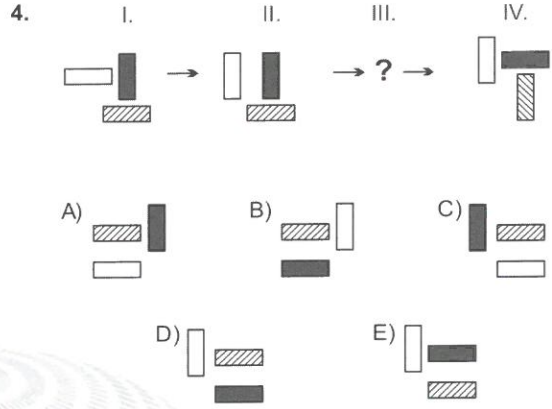
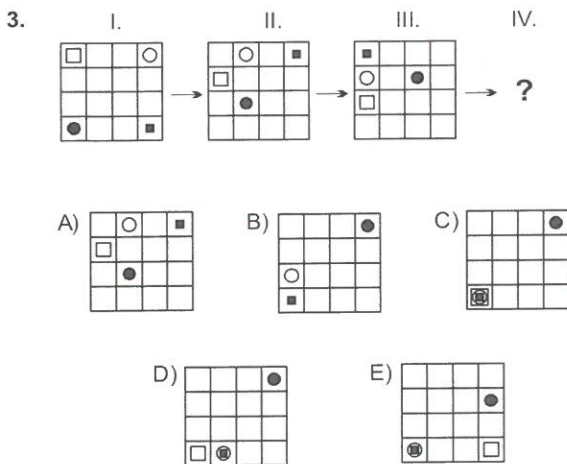
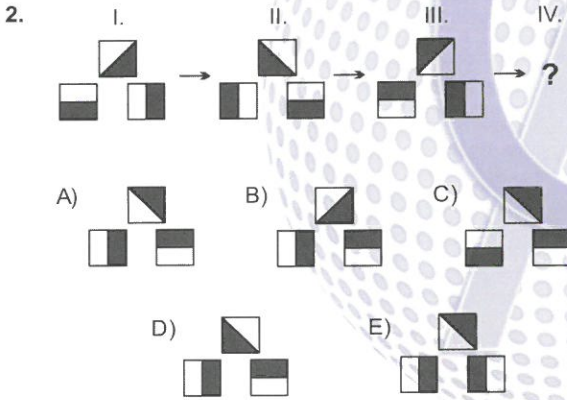
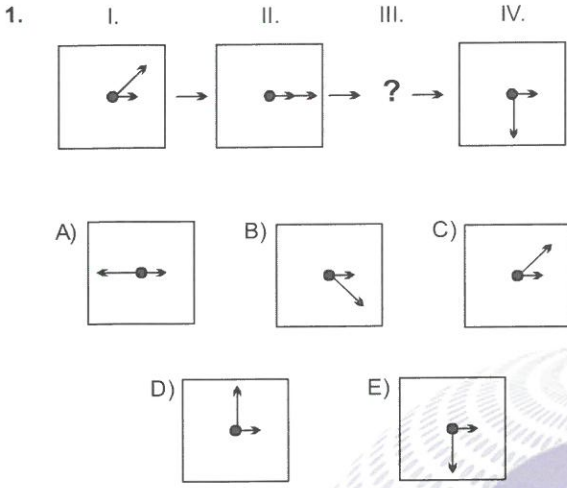
1.D	2.E	3.B	4.E
5.A	6.C	7.D	8.C

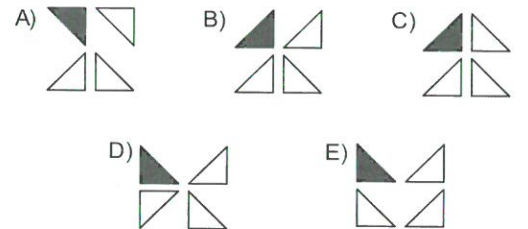
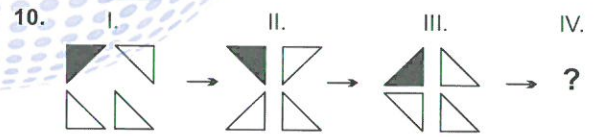
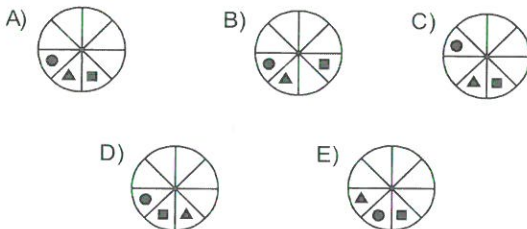
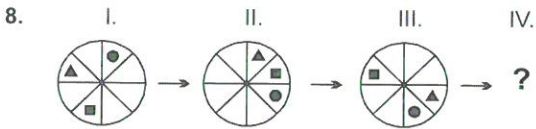
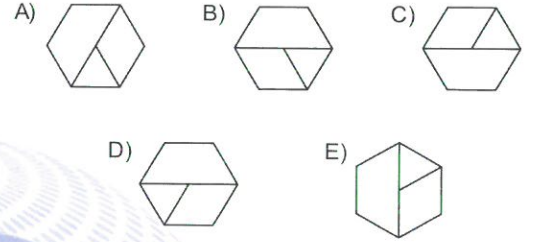
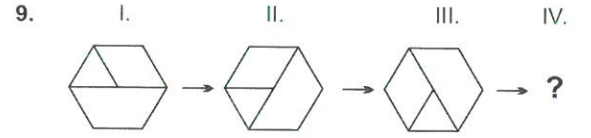
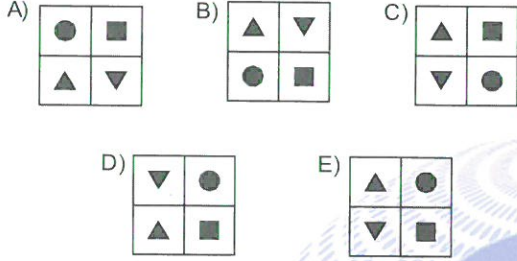
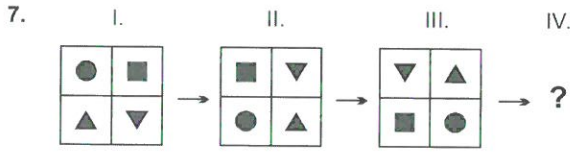
8. BÖLÜM

ŞEKİL DİZİSİ



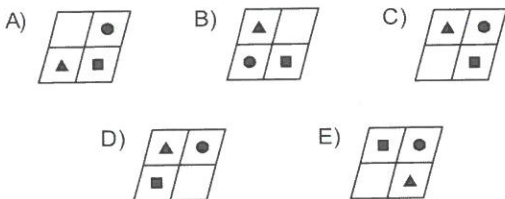
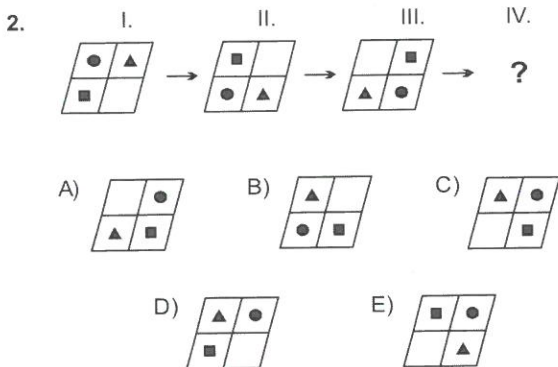
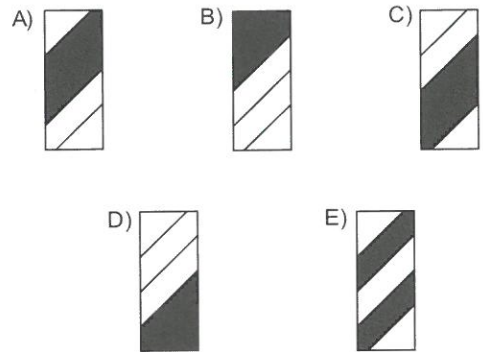
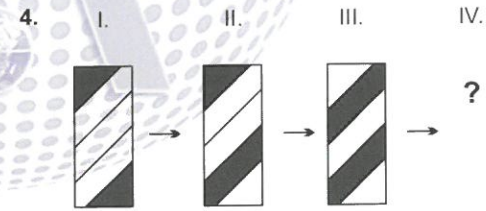
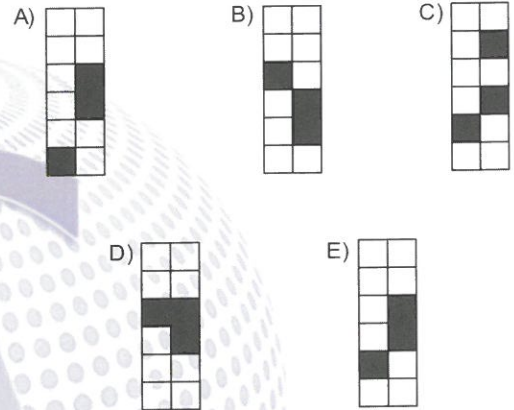
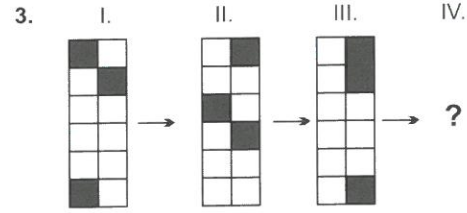
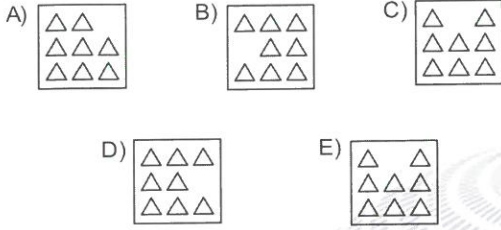
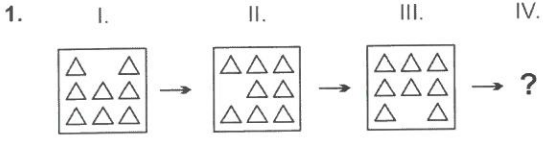


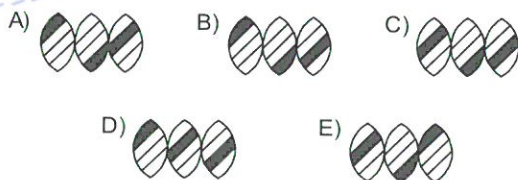
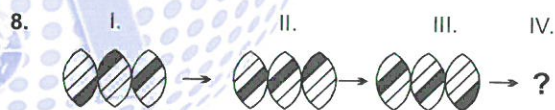
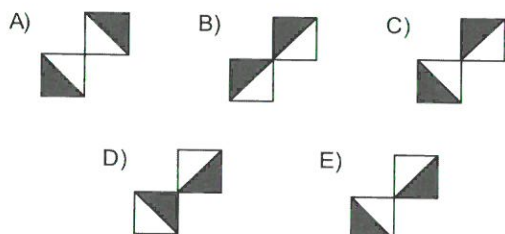
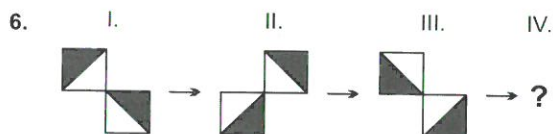
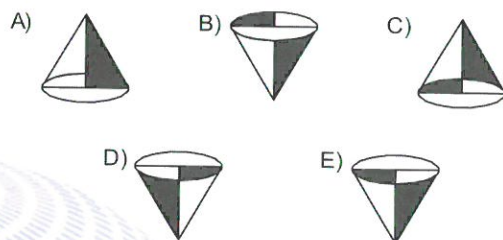
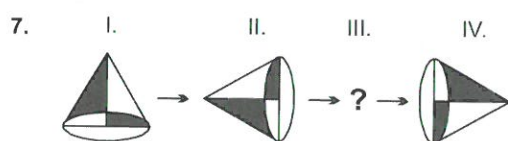
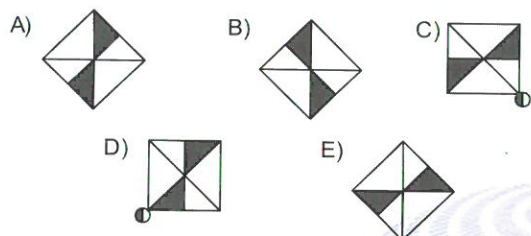
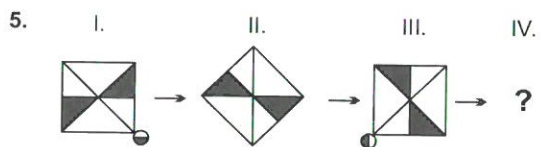




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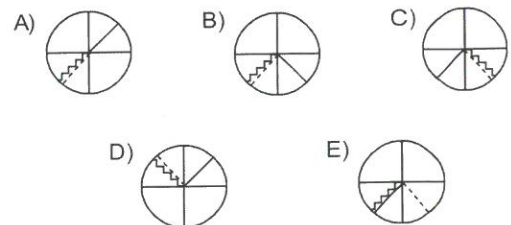
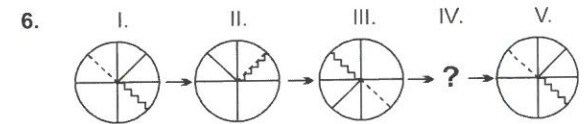
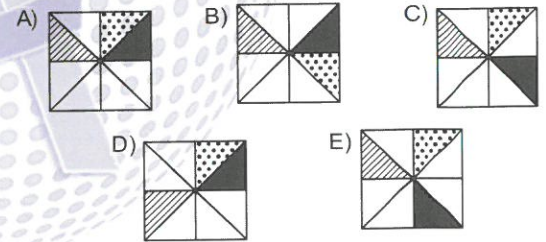
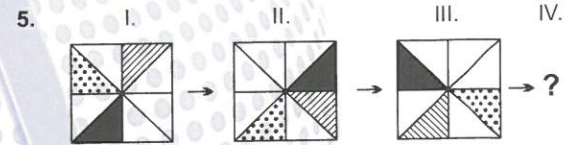
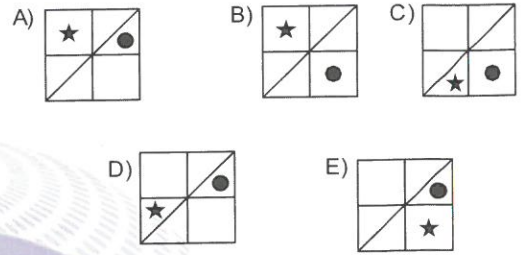
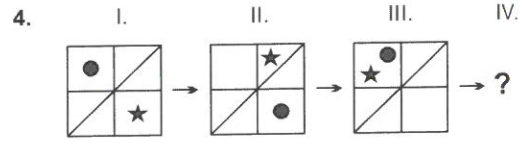
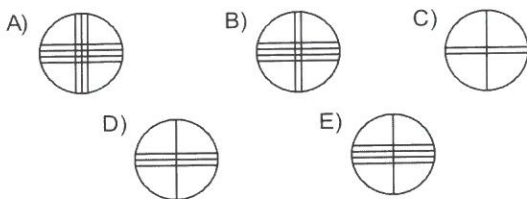
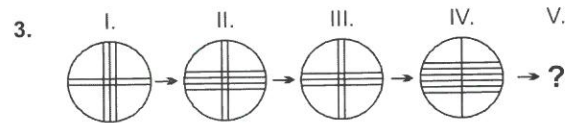
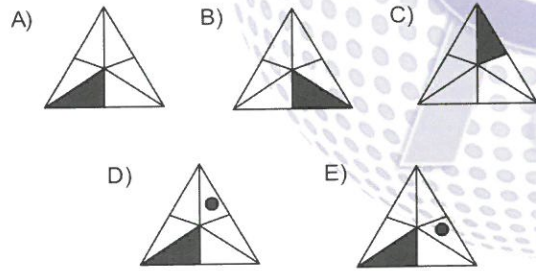
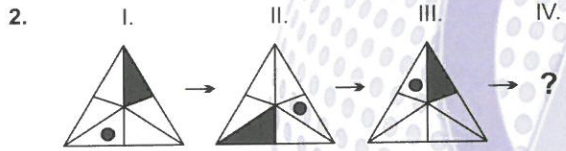
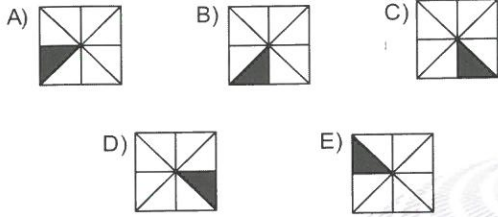
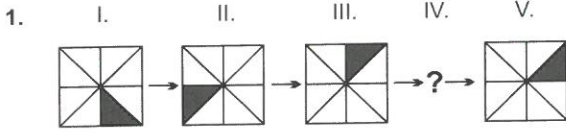
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6.C	7.E	8.A	9.B	10.D

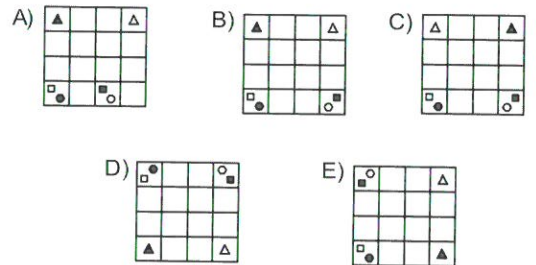
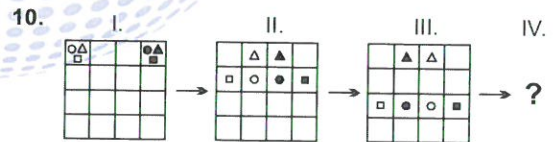
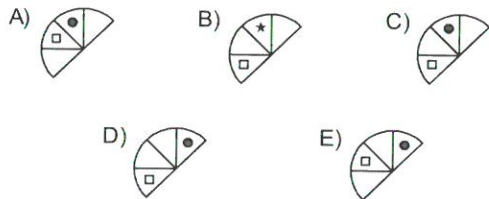
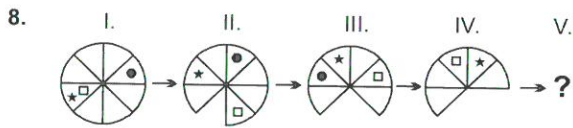
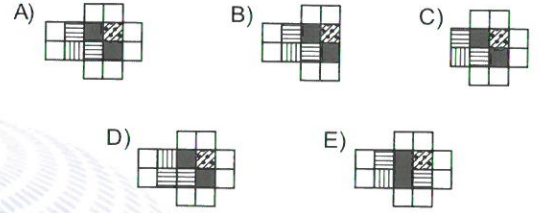
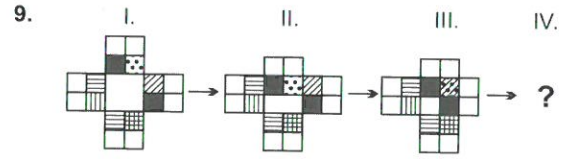
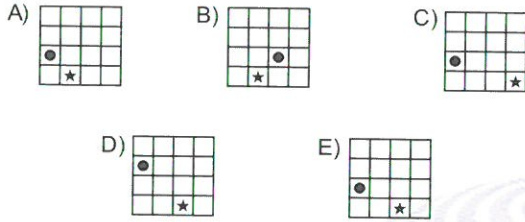
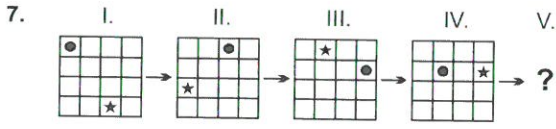




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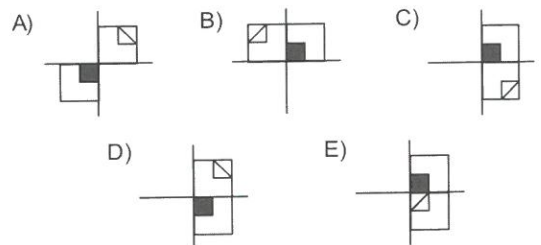
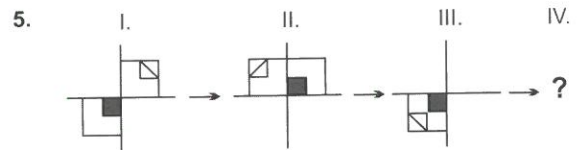
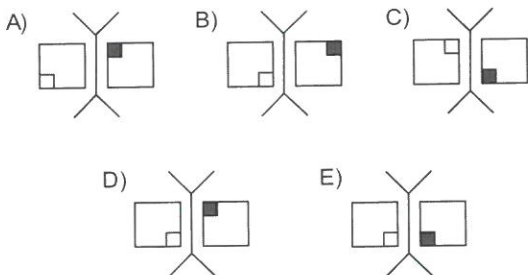
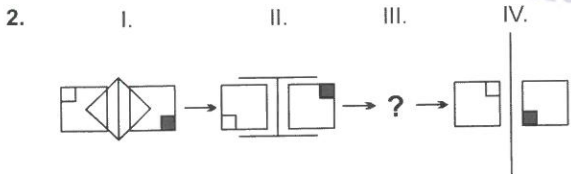
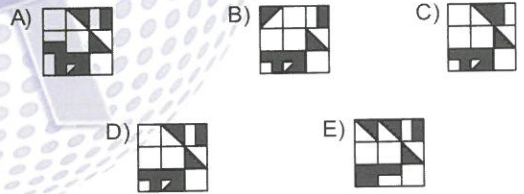
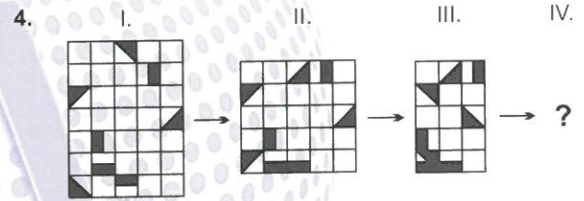
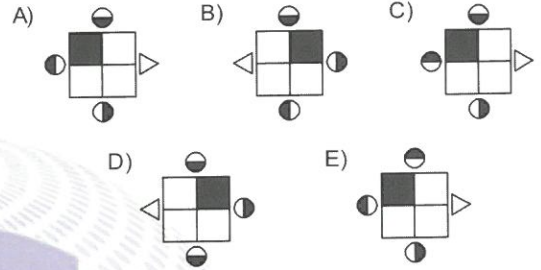
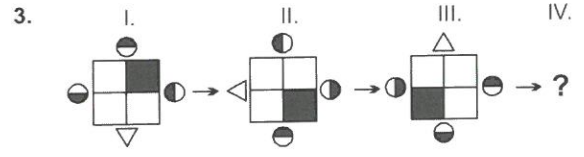
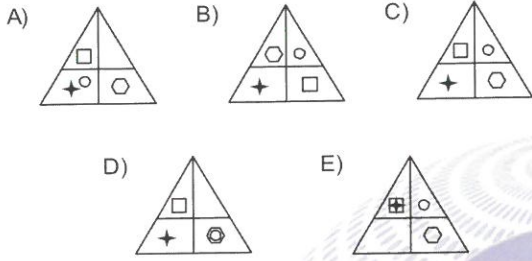
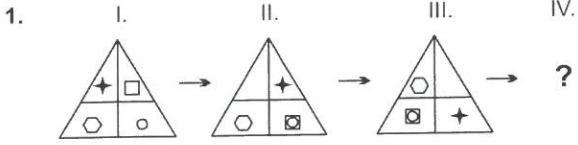
1.D	2.C	3.E	4.A
5.A	6.C	7.E	8.B





Cevap Anahtarı – Answer Sheet

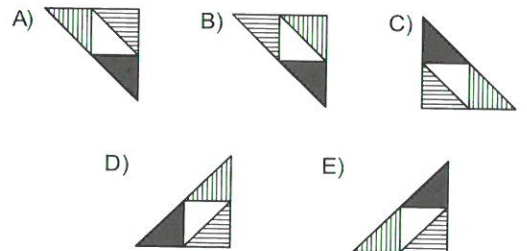
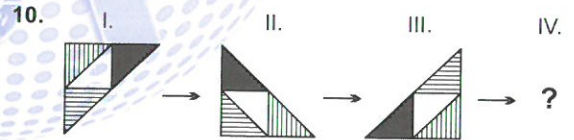
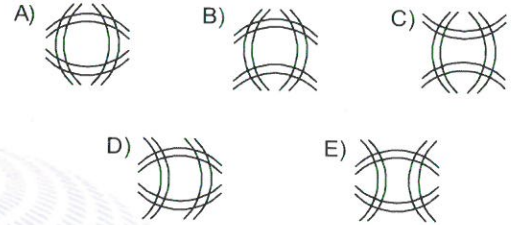
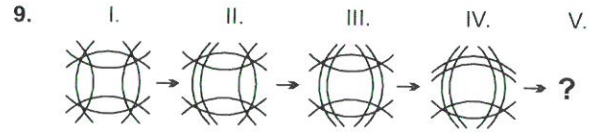
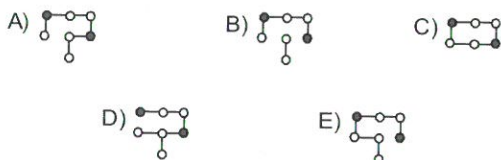
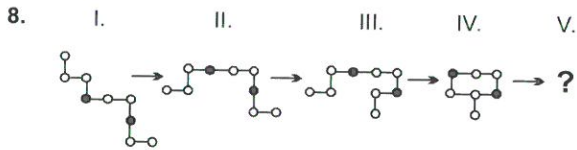
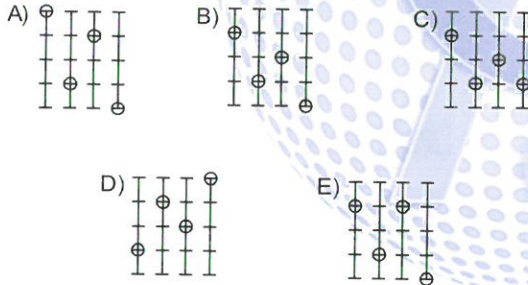
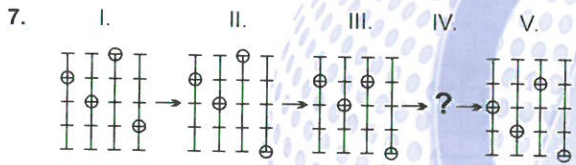
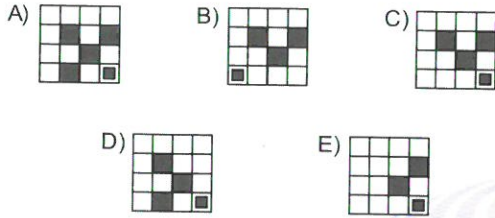
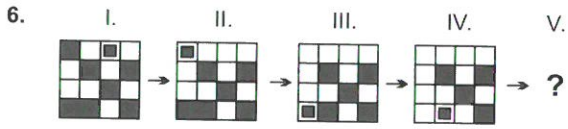
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6.B	7.E	8.C	9.A	10.B





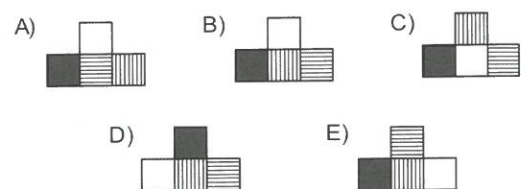
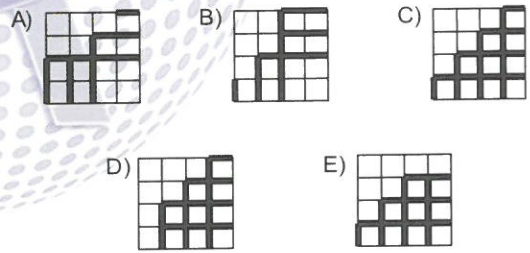
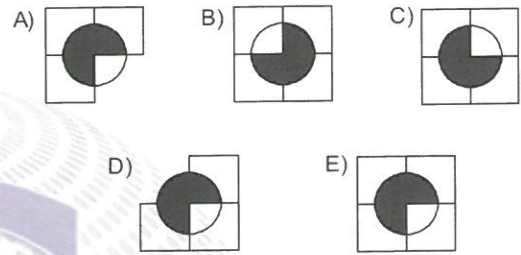
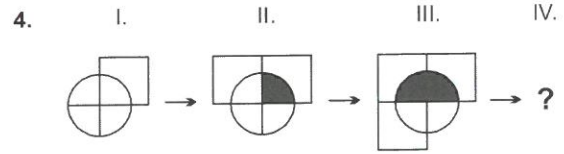
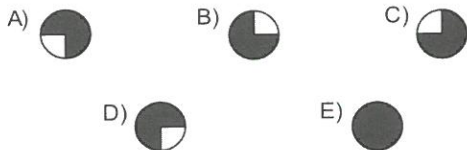
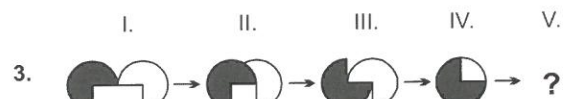
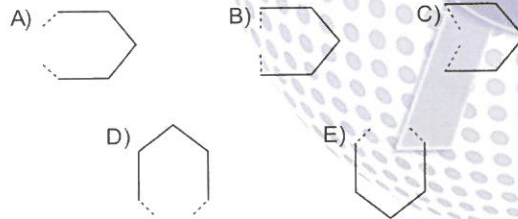
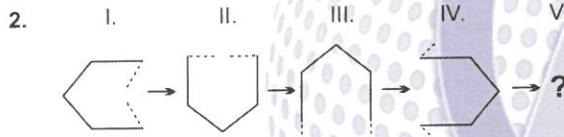
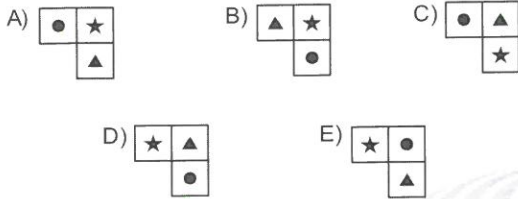
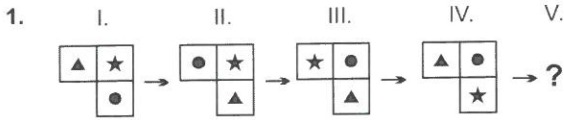
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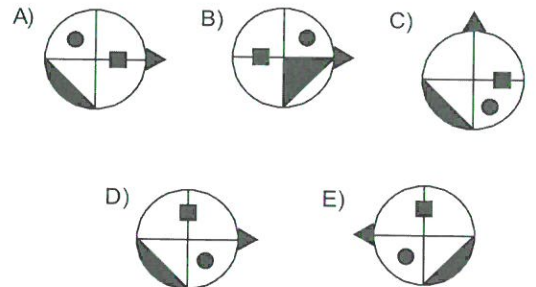
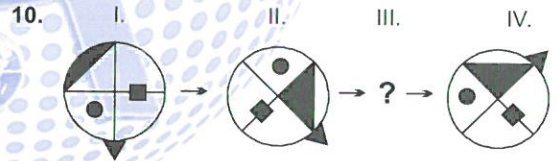
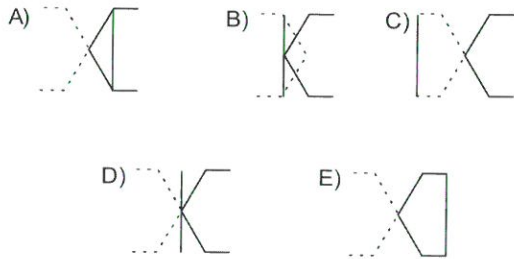
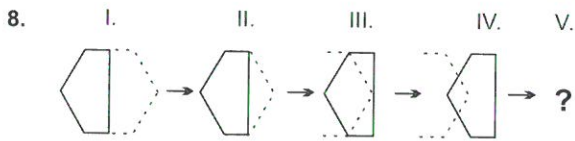
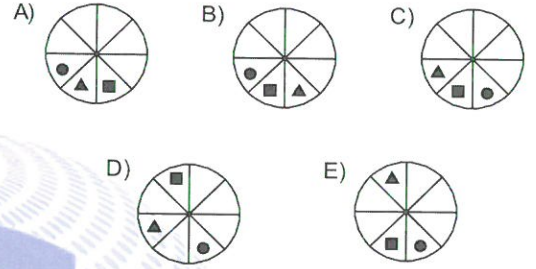
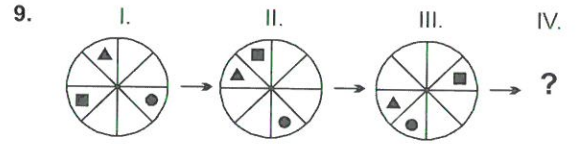
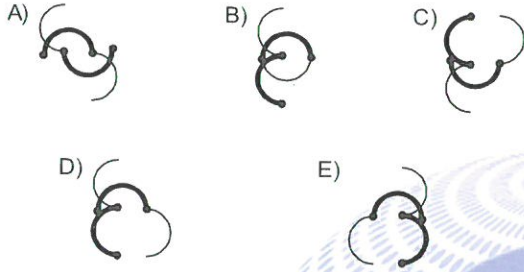
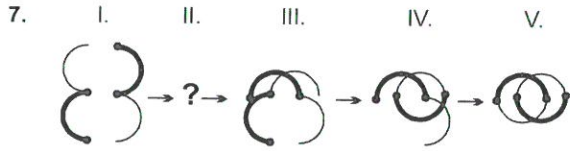
TEST – 4



Cevap Anahtarı – Answer Sheet

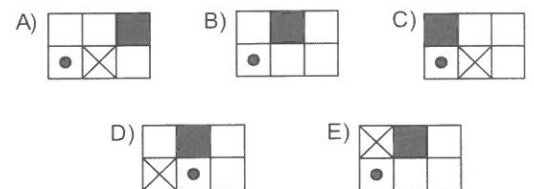
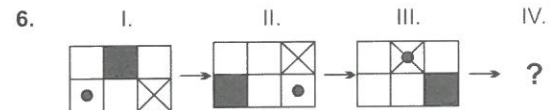
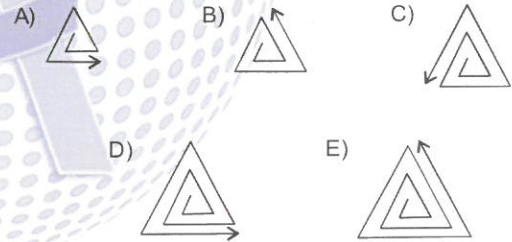
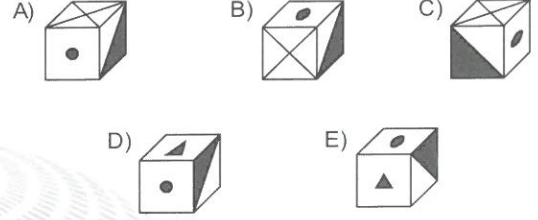
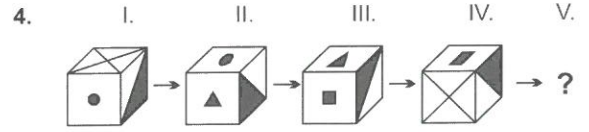
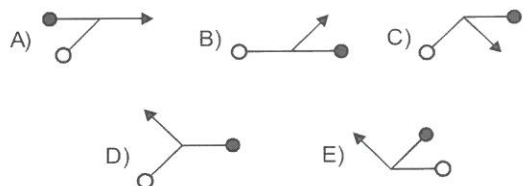
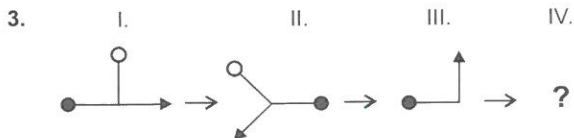
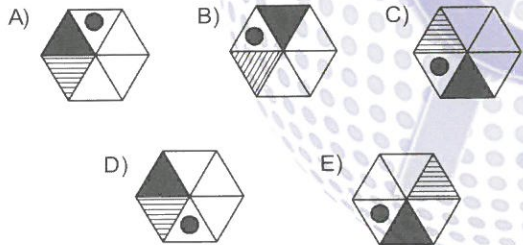
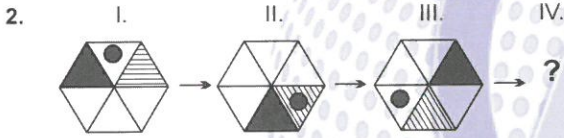
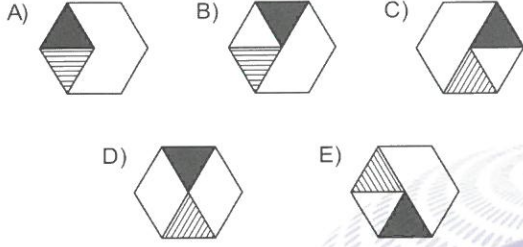
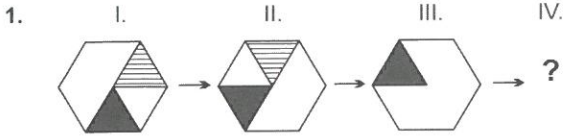
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6.C	7.E	8.E	9.A	10.A

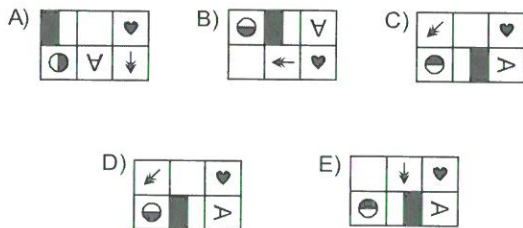
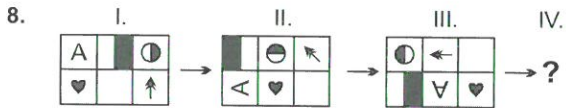
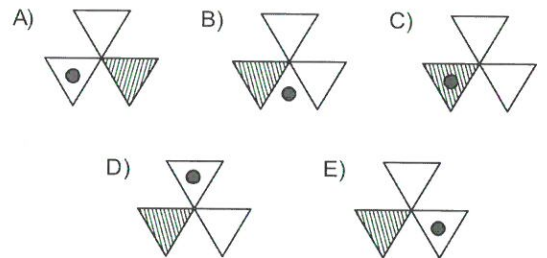
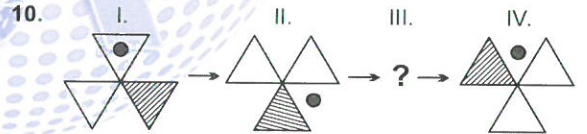
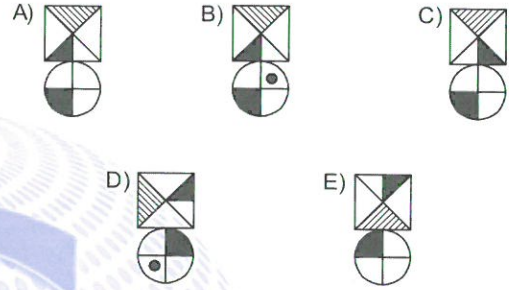
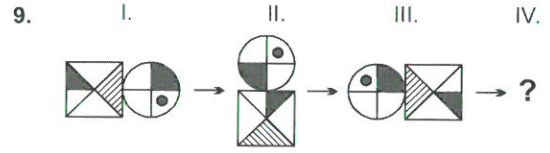
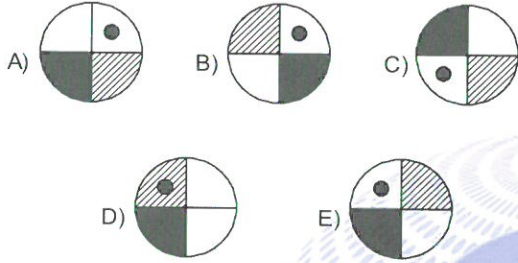
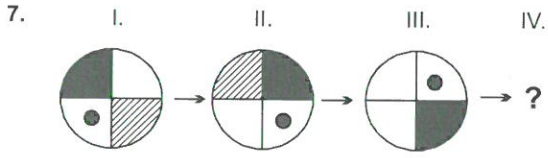




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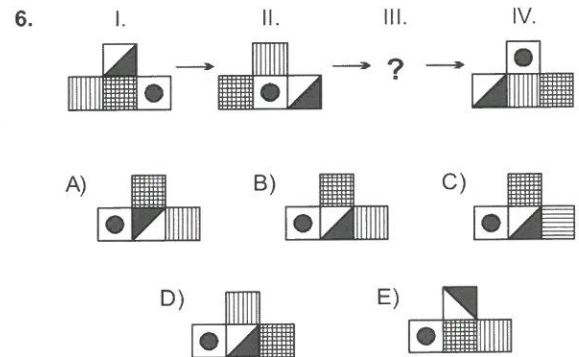
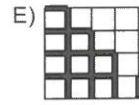
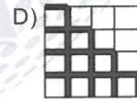
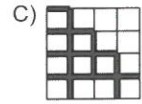
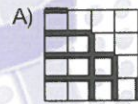
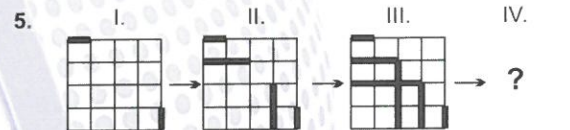
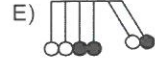
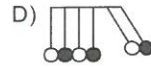
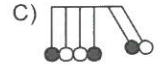
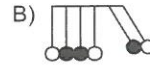
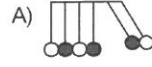
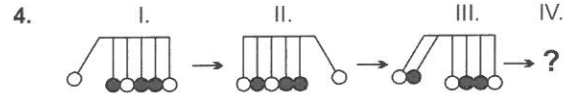
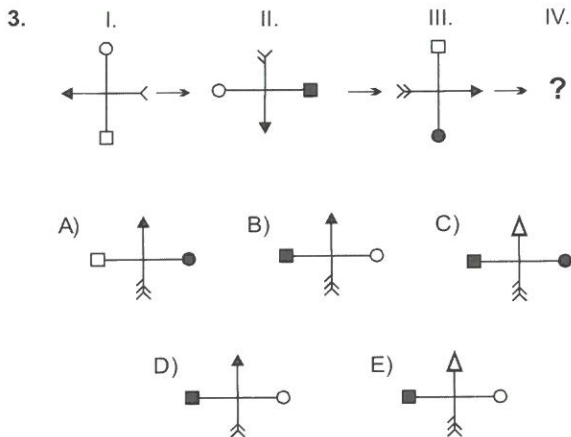
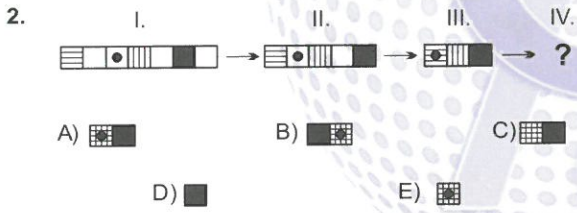
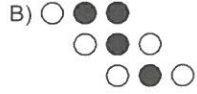
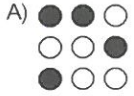
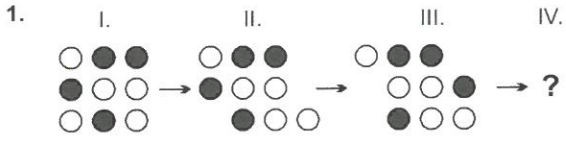
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6.B	7.D	8.E	9.A	10.D

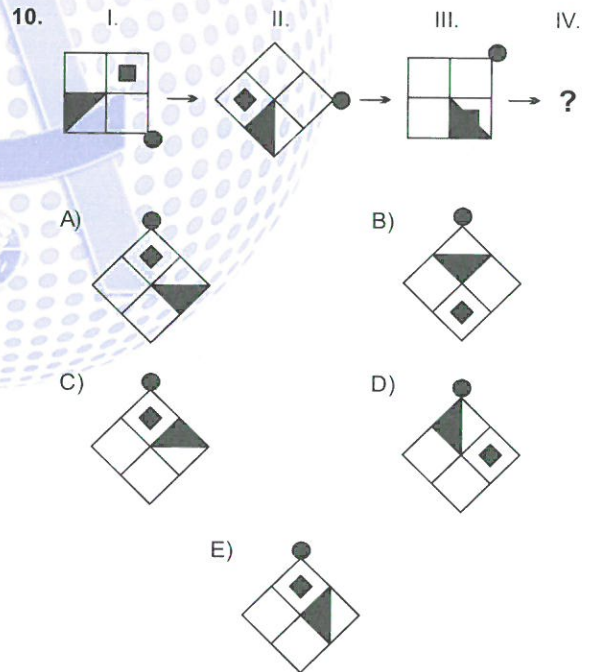
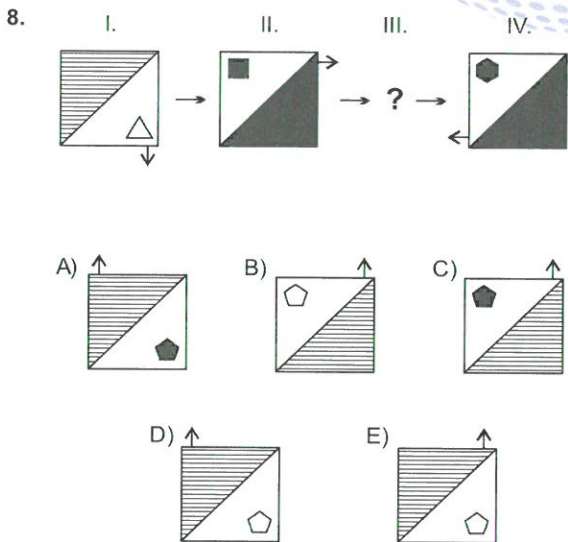
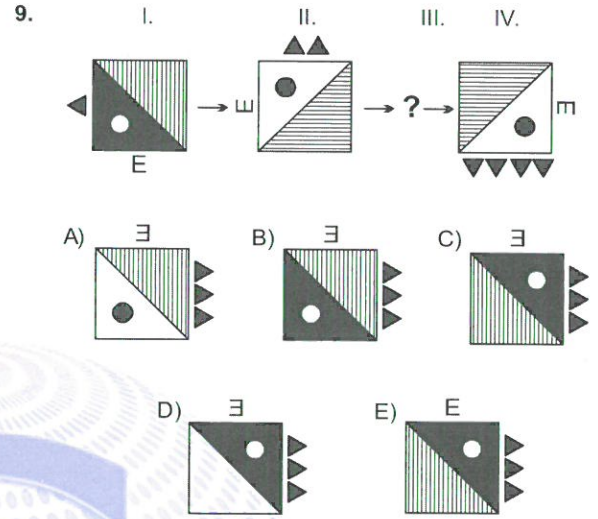
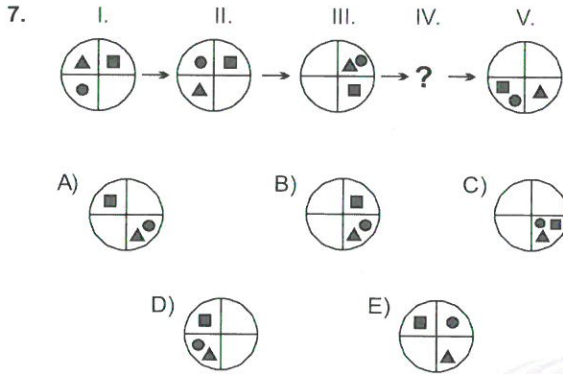




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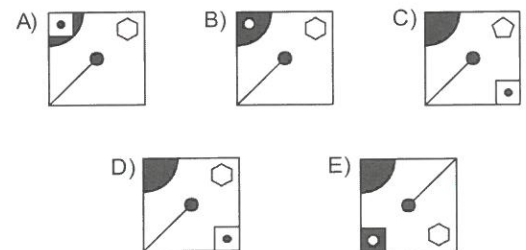
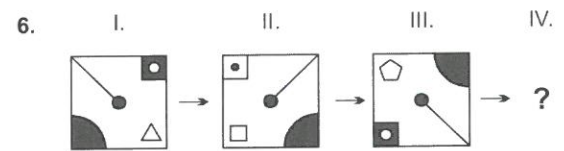
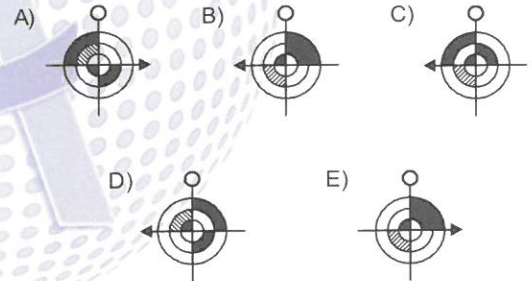
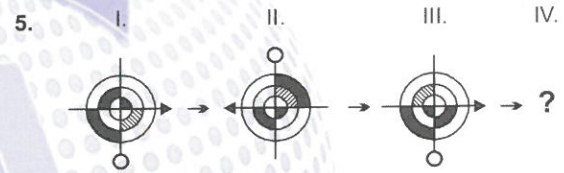
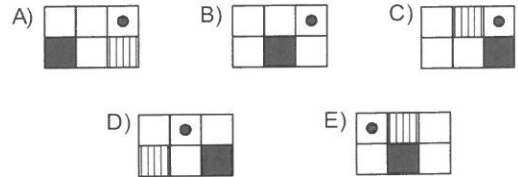
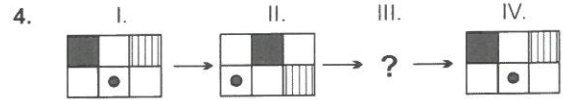
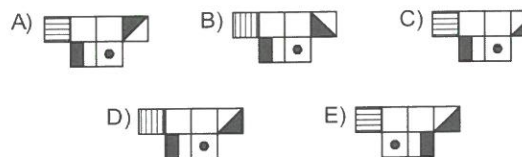
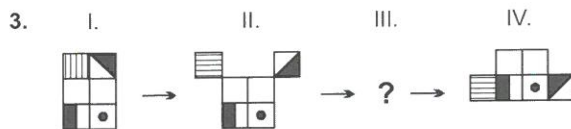
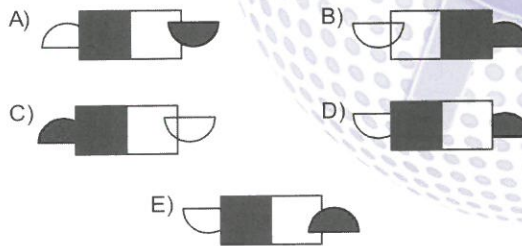
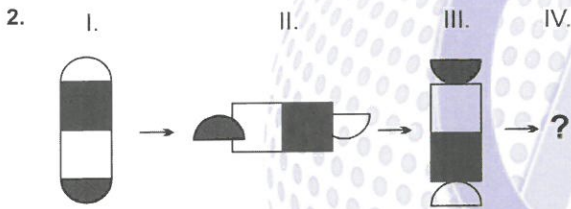
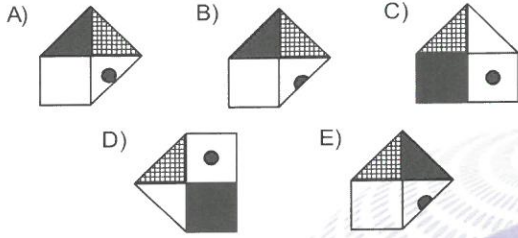
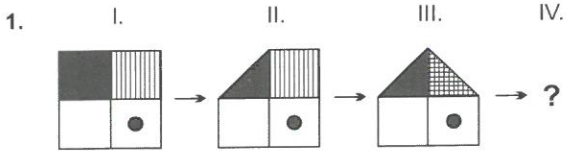
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6.E	7.D	8.D	9.A	10.C

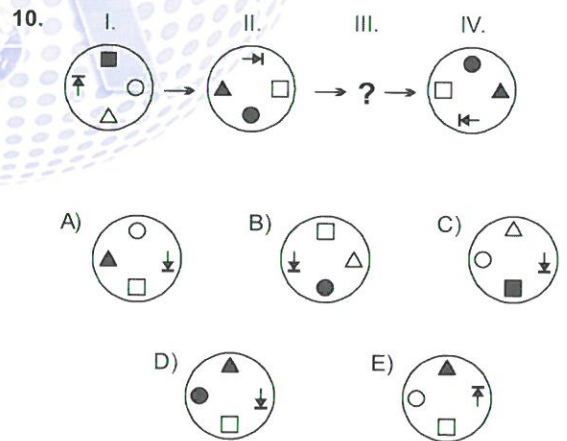
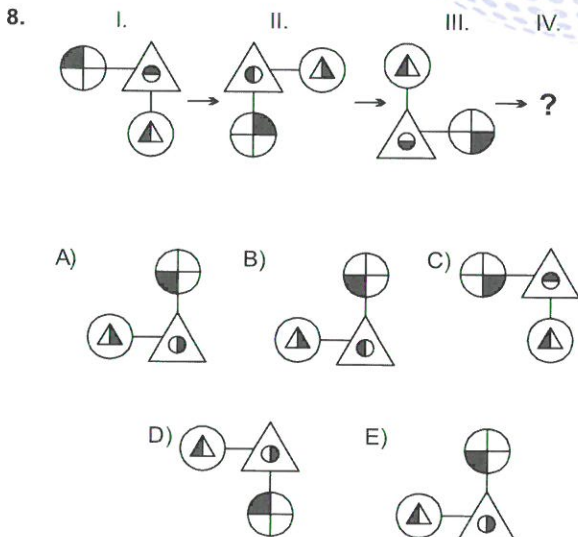
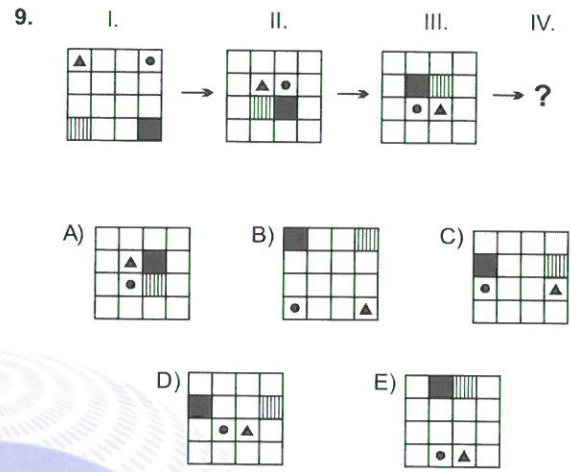
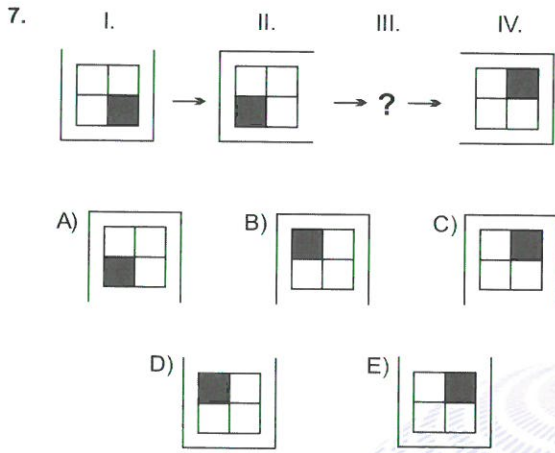




Cevap Anahtarı – Answer Sheet

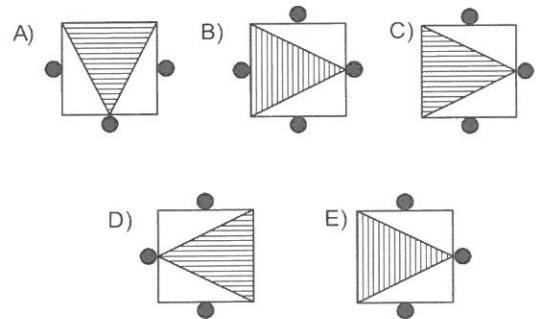
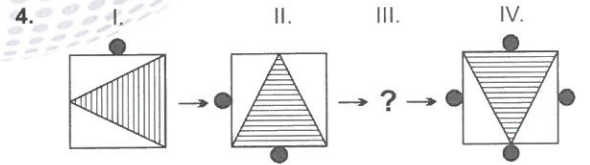
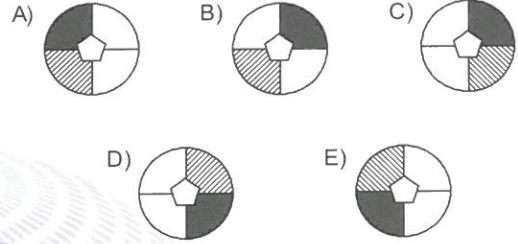
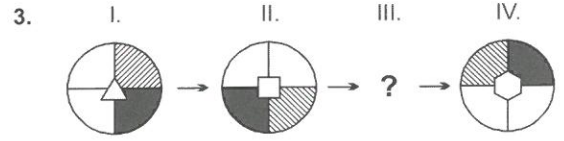
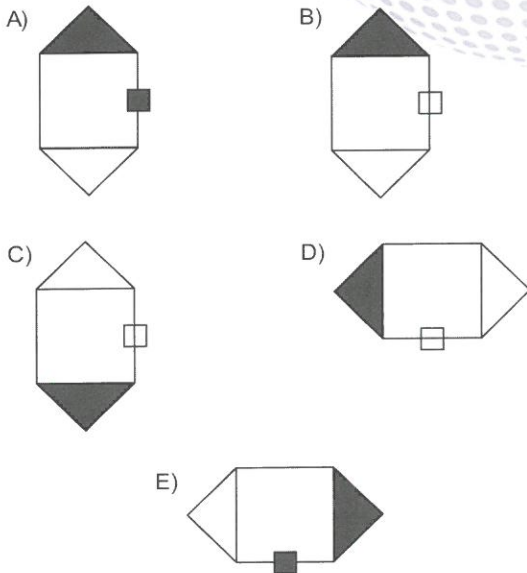
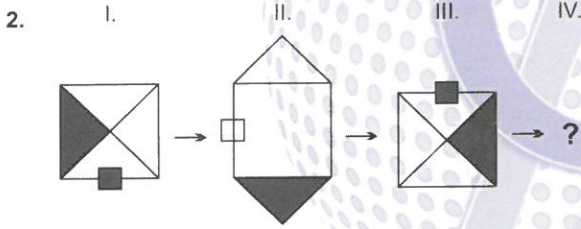
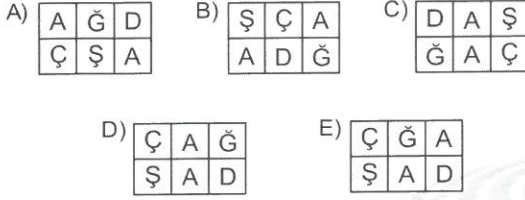
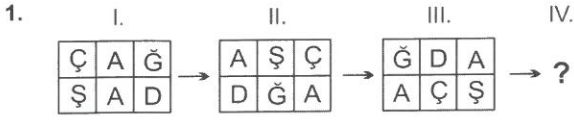
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6.B	7.C	8.D	9.B	10.A

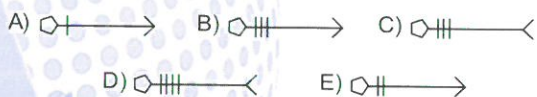
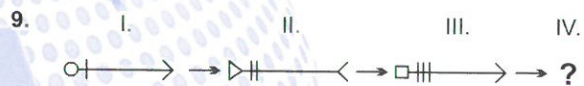
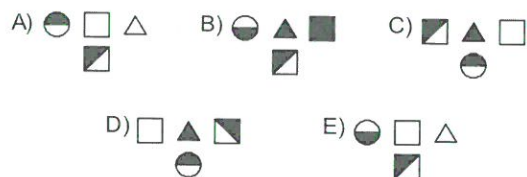
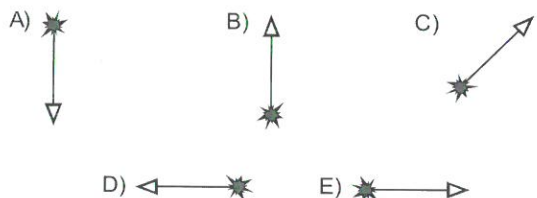
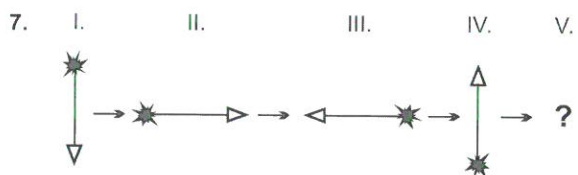
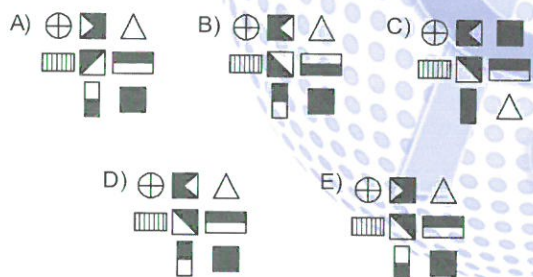
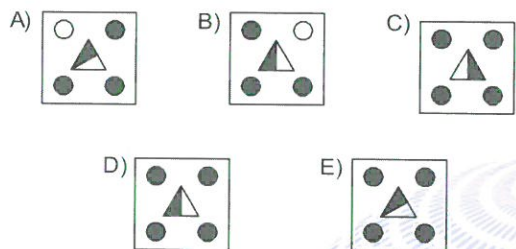
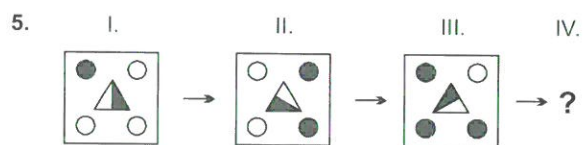




Cevap Anahtarı – Answer Sheet

1.B	2.D	3.B	4.D	5.B
6.D	7.B	8.A	9.B	10.C





Cevap Anahtarı – Answer Sheet

1.D	2.B	3.A	4.E	5.C
6.D	7.B	8.A	9.D	10.A



1. I. II. III. IV.
 → ?

- A) B)
 C) D)
 E)

3. I. II. III. IV.
 → ?

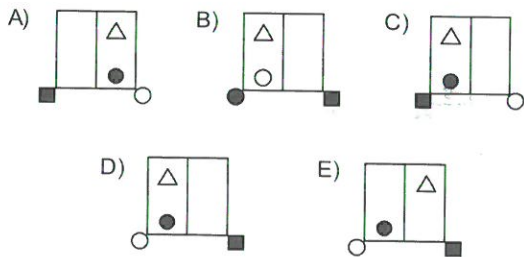
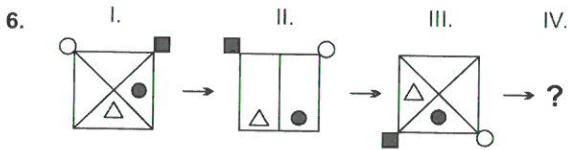
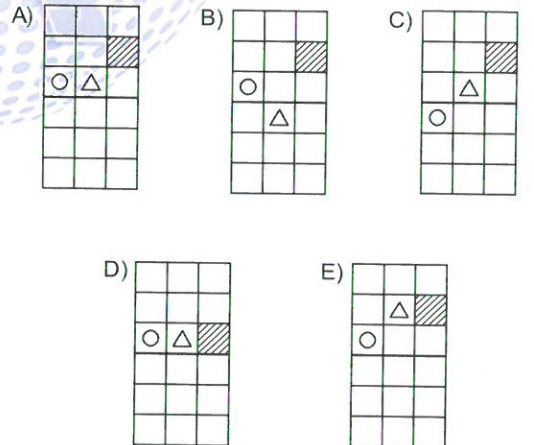
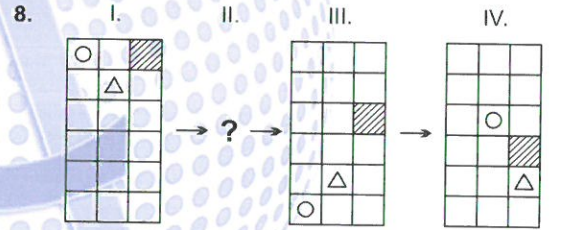
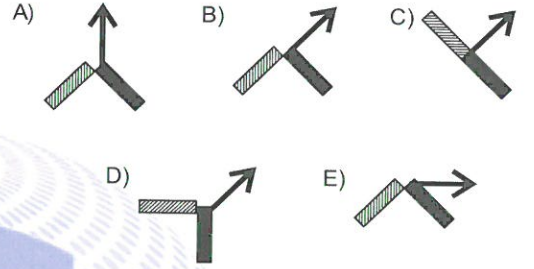
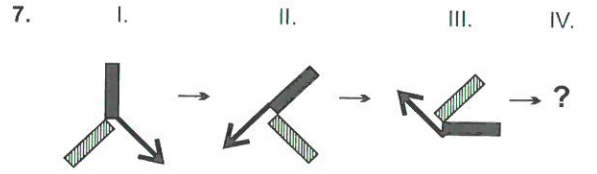
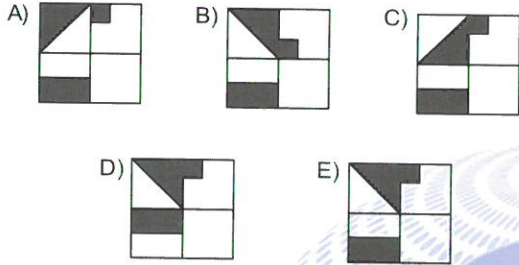
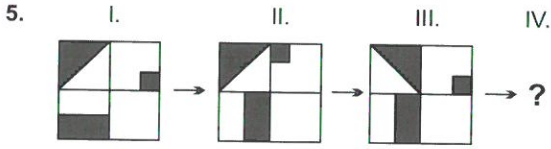
- A) B)
 C) D)
 E)

2. I. II. III. IV.
 → ?

- A) B)
 C) D)
 E)

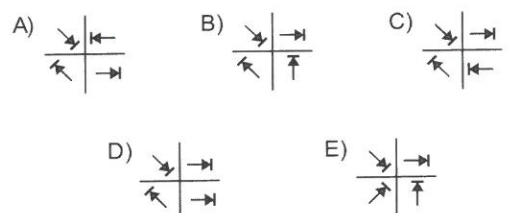
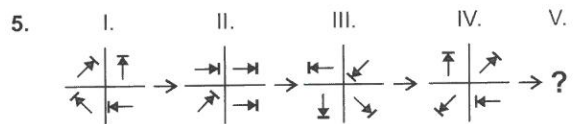
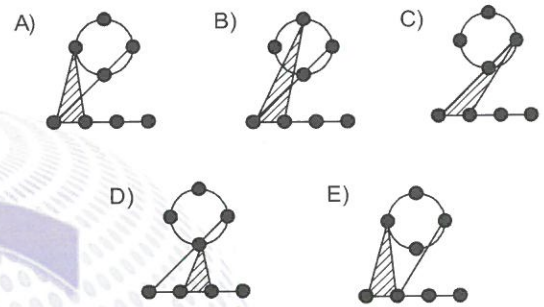
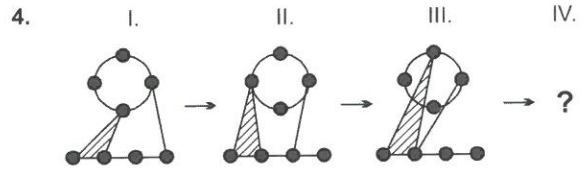
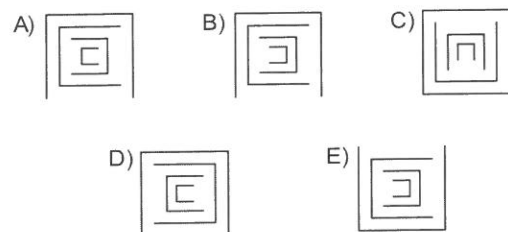
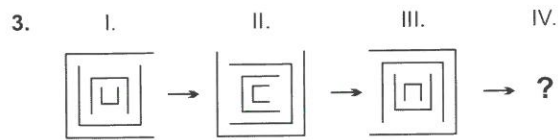
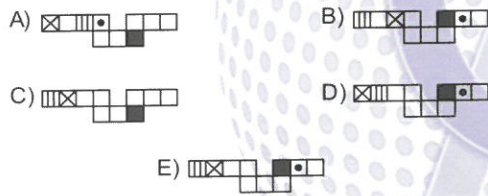
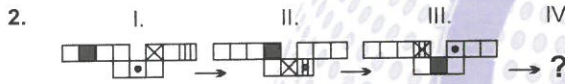
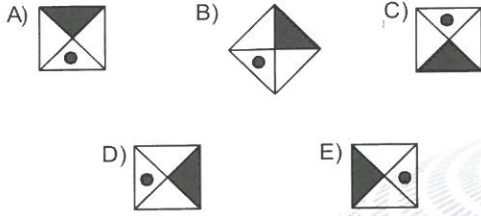
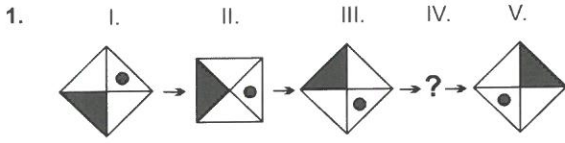
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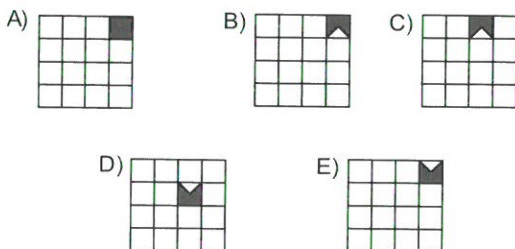
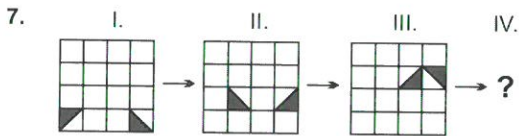
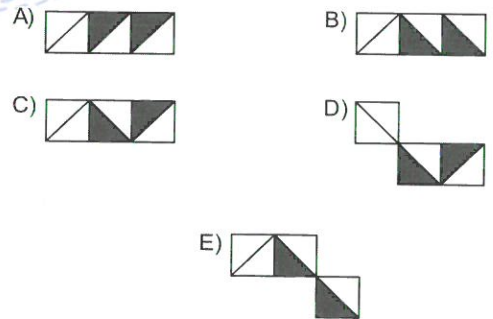
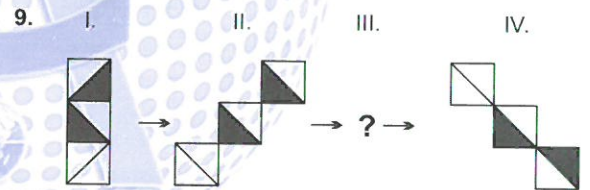
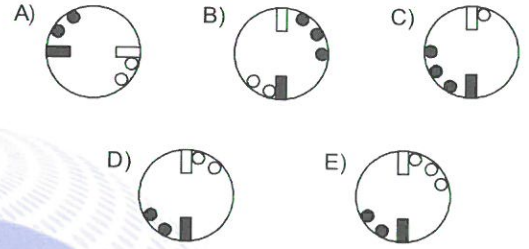
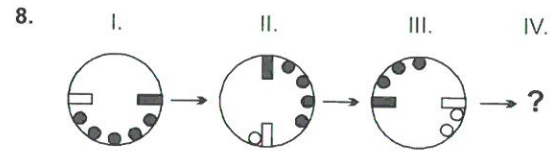
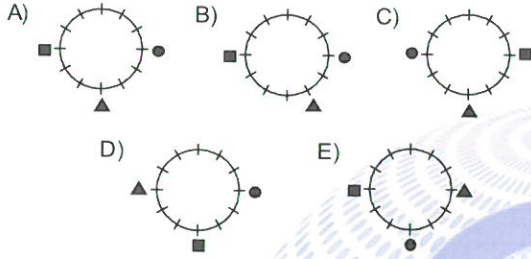
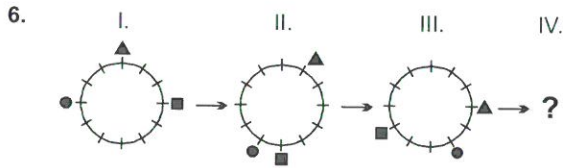
- A) B)
 C) D)
 E)



Cevap Anahtarı – Answer Sheet

1.B	2.A	3.A	4.B
5.D	6.D	7.C	8.A





Cevap Anahtarı – Answer Sheet

1.A	2.E	3.B	4.C	5.E
6.A	7.B	8.E	9.C	

9. BÖLÜM

ŞEKİL İLİŞKİLERİ



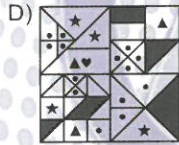
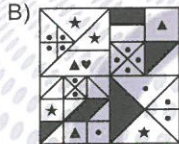
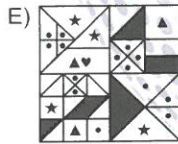
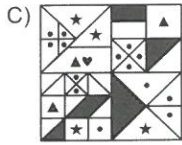
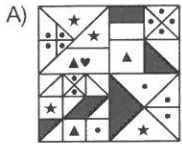
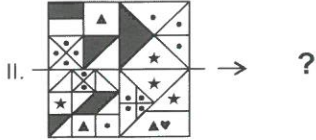
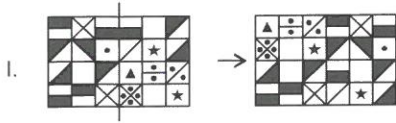




ŞEKİL İLİŞKİLERİ

TEST - 1

1.



2.

I.

1	2	7	5
8	9	6	3
11	16	17	15
10	13	19	4

 →

17	15	11	16
19	4	10	13
7	5	1	2
6	3	8	9

II.

A	B	N	D
R	F	C	P
G	E	H	I
M	S	K	L

 → ?

A)

K	I	G	E
H	L	M	S
N	D	A	B
C	P	R	F

C)

H	I	G	E
K	L	M	S
N	D	A	F
C	P	R	B

E)

H	I	G	E
K	L	M	S
N	D	A	B
C	P	R	F

B)

H	I	G	E
K	A	M	S
N	D	L	B
R	P	C	F

D)

M	I	G	E
K	L	H	S
N	A	D	B
C	P	R	F



ŞEKİL İLİŞKİLERİ

TEST - 1

3.

I.

2	4	1	2
3	5	3	4
7	6	5	1
4	2	4	4

 →

6	3
8	7
13	6
6	8

II.	<table><tr><td>3</td><td>2</td><td>6</td><td>2</td></tr><tr><td>8</td><td>1</td><td>2</td><td>4</td></tr><tr><td>3</td><td>1</td><td>4</td><td>6</td></tr><tr><td>7</td><td>6</td><td>9</td><td>2</td></tr></table>	3	2	6	2	8	1	2	4	3	1	4	6	7	6	9	2	→	?
3	2	6	2																
8	1	2	4																
3	1	4	6																
7	6	9	2																

A)

5	8
9	6
4	10
13	11

B)

6	8
9	5
4	10
13	11

C)

5	8
10	6
4	9
13	11

D)

4	8
9	6
5	10
13	11

E)

5	8
9	6
4	13
11	10

5.

I.

6	1	6	5
9	3	4	1
11	7	13	6
8	2	7	2

 $\rightarrow$

5	1
6	3
4	7
6	5

II.	<table><tr><td>13</td><td>2</td><td>9</td><td>3</td></tr><tr><td>8</td><td>2</td><td>14</td><td>8</td></tr><tr><td>5</td><td>0</td><td>15</td><td>7</td></tr><tr><td>9</td><td>5</td><td>10</td><td>2</td></tr></table>	13	2	9	3	8	2	14	8	5	0	15	7	9	5	10	2	→	?
13	2	9	3																
8	2	14	8																
5	0	15	7																
9	5	10	2																

A)

11	6
6	6
5	4
8	8

B)

11	6
6	3
5	8
4	8

C)

11	6
6	6
5	8
4	8

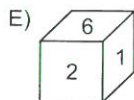
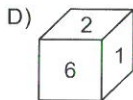
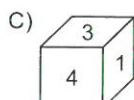
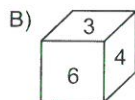
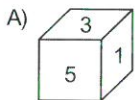
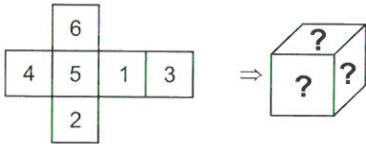
D)

6	11
6	6
5	8
4	8

E)

11	6
6	8
5	6
4	8

4.



Cevap Anahtarı – Answer Sheet

1.B	2.E	3.A	4.B	5.C
-----	-----	-----	-----	-----



ŞEKİL İLİŞKİLERİ

TEST - 2

1.

I.

2	5	6	3
3	2	2	4
5	3	5	4
7	2	1	7

 →

10	18
6	8
15	20
14	7

II.

2	3	5	3
4	7	1	6
1	4	2	4
8	2	3	4

 → ?

A)

6	15
28	6
4	8
16	12

B)

6	15
28	6
4	8
16	14

C)

6	15
28	6
4	8
12	16

D)

8	15
28	6
4	6
16	12

E)

6	6
15	18
4	8
16	12

2.

I.

★	♥	●	→
△	→	×	↓
※	▲	♥	●
→	★	×	●

 →

△	→	×	↓
※	▲	♥	●
→	★	×	●
★	♥	●	→

II.

♥	÷	÷	★
▲	●	×	↓
△	★	↓	▲
→	↔	+	▲

 → ?

A)

▲	●	×	→
△	★	↓	▲
→	↔	+	▲
♥	÷	÷	★

B)

▲	●	×	→
△	★	↓	▲
→	↔	+	▲
♥	÷	÷	★

C)

▲	●	+	↓
△	★	→	▲
→	↔	×	▲
♥	÷	÷	★

D)

●	▲	×	→
△	★	↓	▲
→	↔	+	▲
♥	÷	÷	★

E)

△	♥	×	→
▲	★	↓	▲
→	↔	+	▲
●	÷	÷	★

3.

	6		
4	5	1	3
	2		

⇒

?	?
?	?

A)

3	
5	1

B)

3	
6	4

C)

3	
4	1

D)

2	
6	1

E)

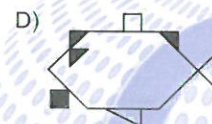
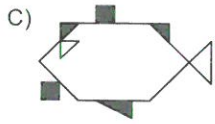
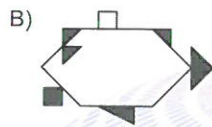
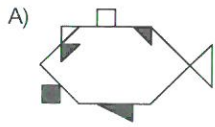
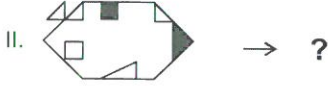
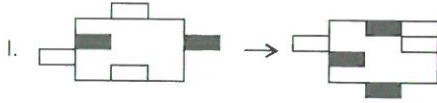
6	
2	1



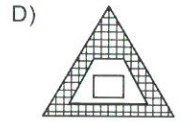
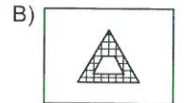
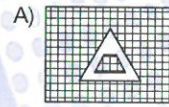
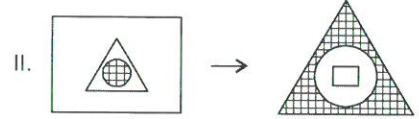
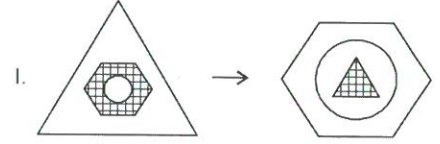
ŞEKİL İLİŞKİLERİ

TEST - 2

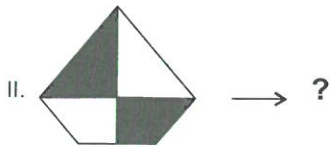
4.



6.



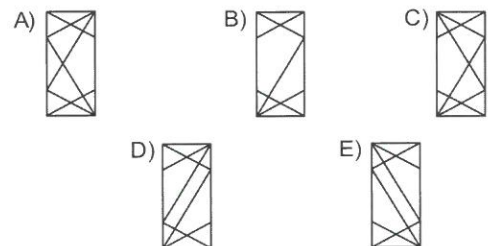
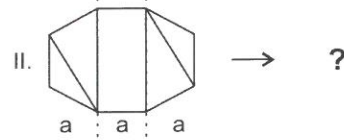
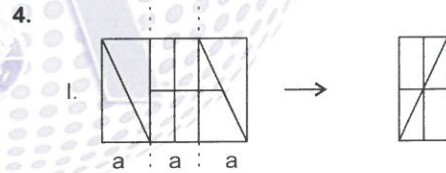
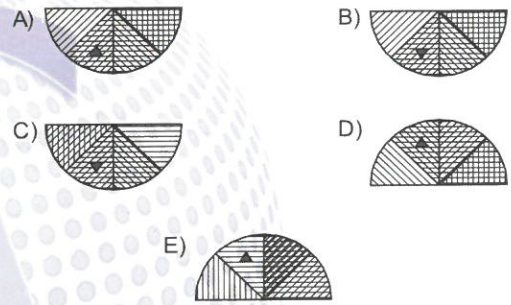
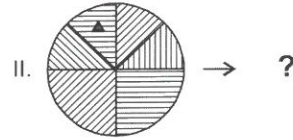
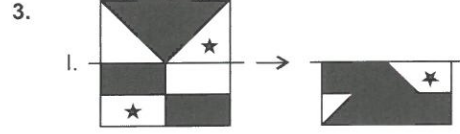
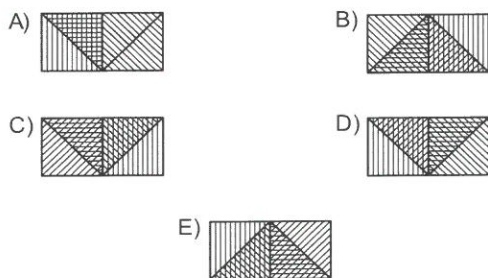
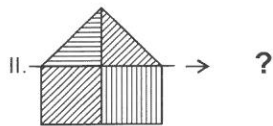
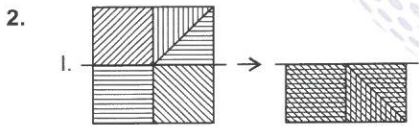
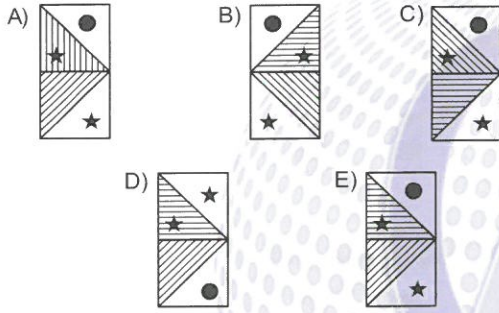
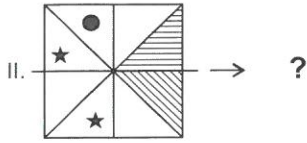
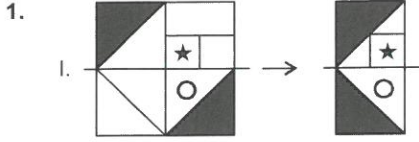
5.



- A) $\frac{11}{2}$ B) $\frac{10}{2}$ C) $\frac{9}{2}$ D) $\frac{8}{2}$ E) $\frac{7}{2}$

Cevap Anahtarı – Answer Sheet

1.A	2.B	3.B	4.E	5.D	6.B
-----	-----	-----	-----	-----	-----

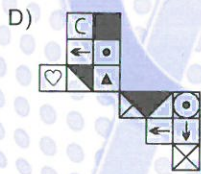
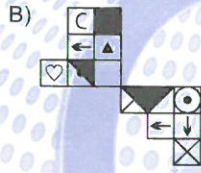
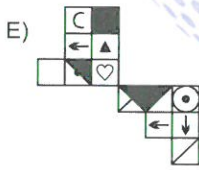
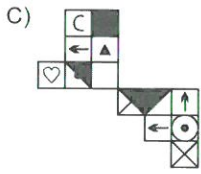
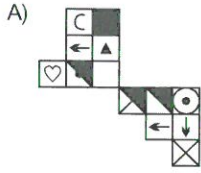
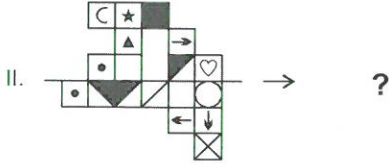
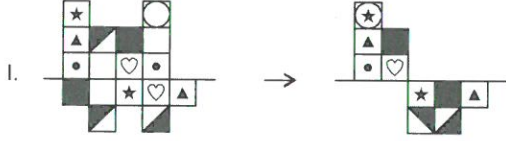




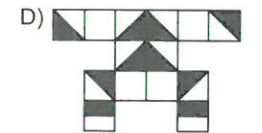
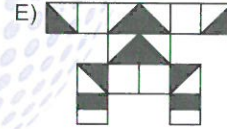
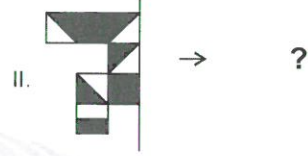
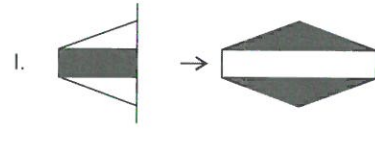
ŞEKİL İLİŞKİLERİ

TEST - 3

5.



6.

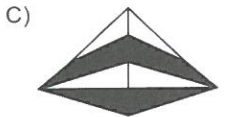
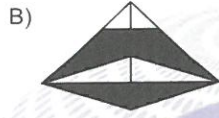
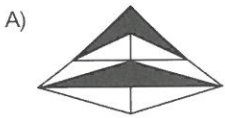
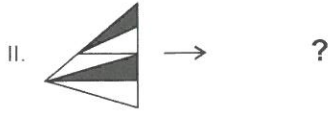
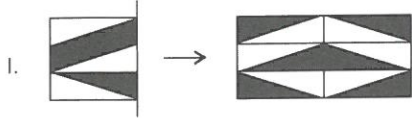


Cevap Anahtarı – Answer Sheet

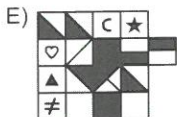
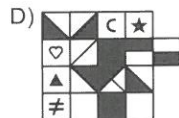
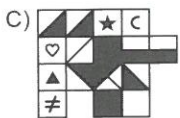
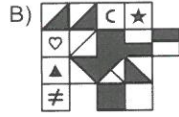
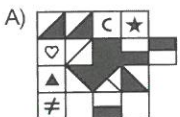
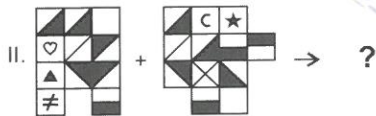
1.E	2.C	3.B	4.C	5.B	6.E
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1.



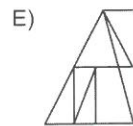
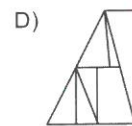
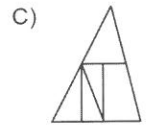
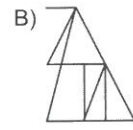
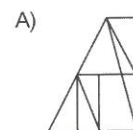
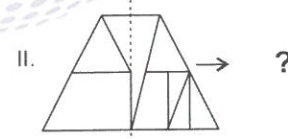
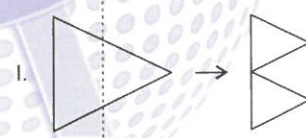
2.



3.



4.

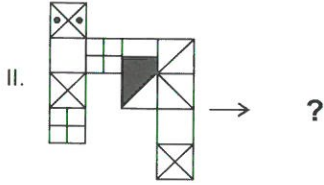
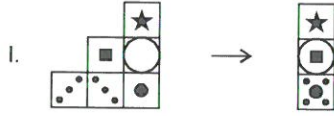




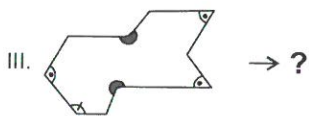
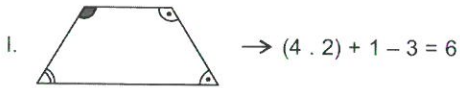
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TEST - 4

5.

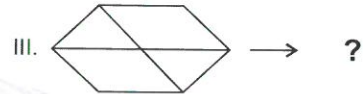
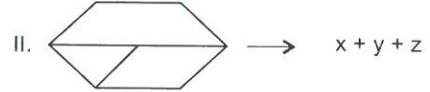
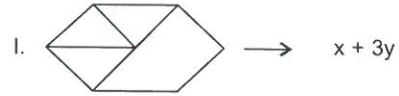


6.



A) 20 B) 24 C) 26 D) 29 E) 30

7.



A) $2x + 2y$

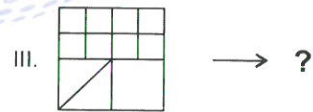
B) $2y + 2z$

C) $2x + 2z$

D) $x + z$

E) $2y + z$

8.



A) $a + 2b + 8d$

B) $a + 2b + 8c$

C) $b + 2b + 8d$

D) $b + 2c + 8d$

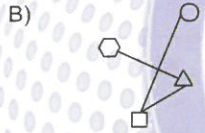
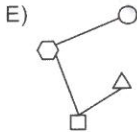
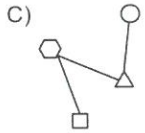
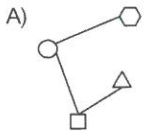
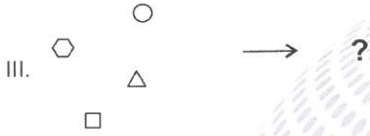
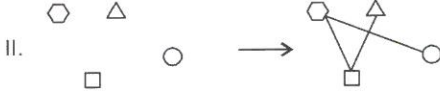
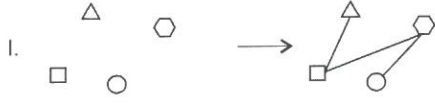
E) $a + b + c + 8d$

Cevap Anahtarı – Answer Sheet

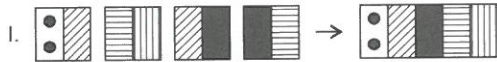
1.C	2.A	3.D	4.A
5.D	6.D	7.B	8.A



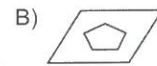
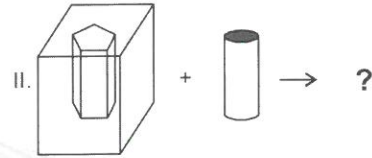
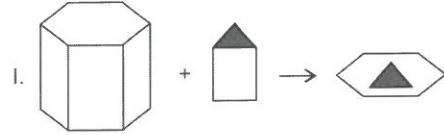
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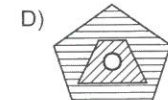
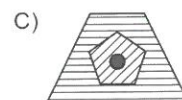
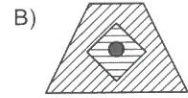
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3.

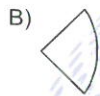
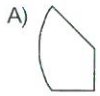
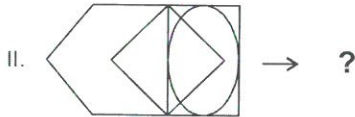
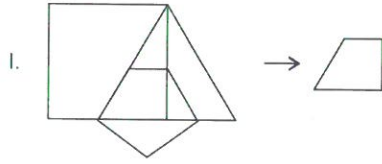


4.

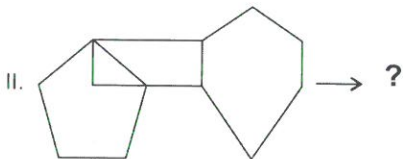
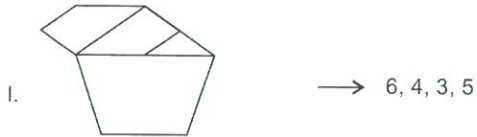




5.



6.



A) 5, 0, 3, 6

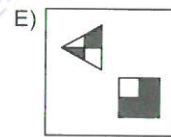
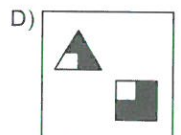
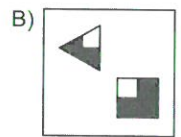
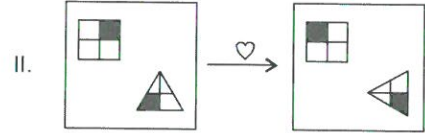
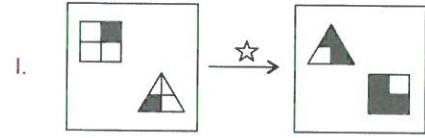
B) 5, 4, 6, 5

C) 5, 4, 3, 6

D) 5, 4, 4, 6

E) 5, 3, 4, 6

7.

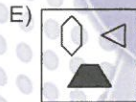
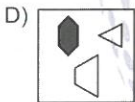
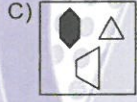
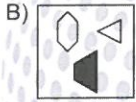
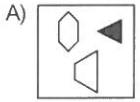
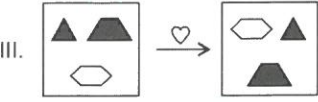
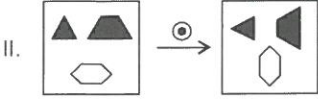
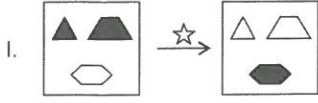


Cevap Anahtarı – Answer Sheet

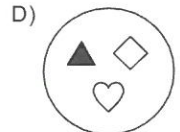
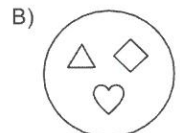
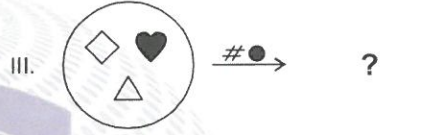
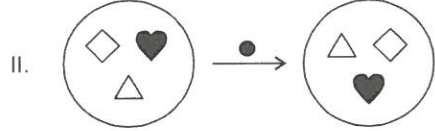
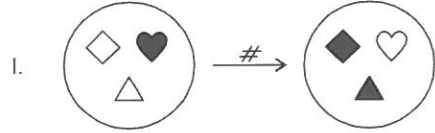
1.E	2.E	3.D	4.C
5.D	6.E	7.A	

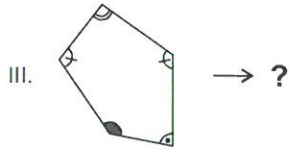
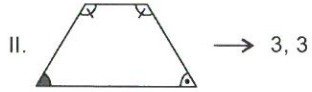
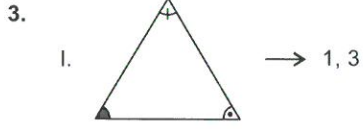


1.



2.





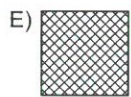
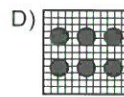
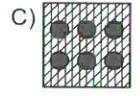
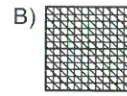
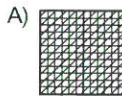
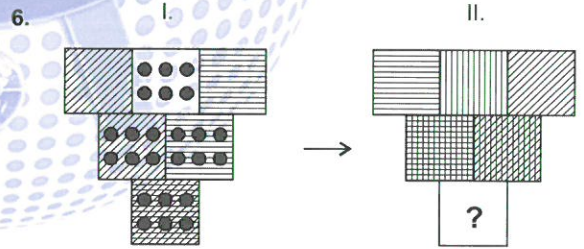
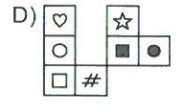
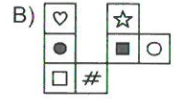
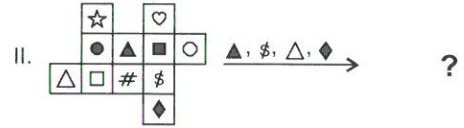
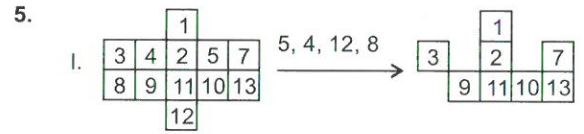
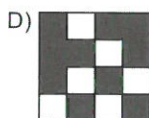
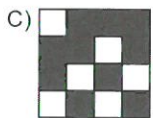
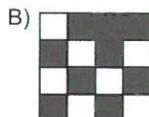
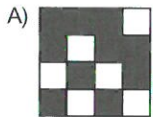
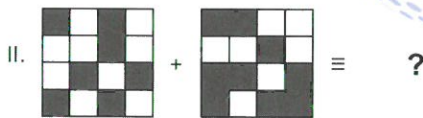
A) 4, 3

B) 3, 4

C) 5, 4

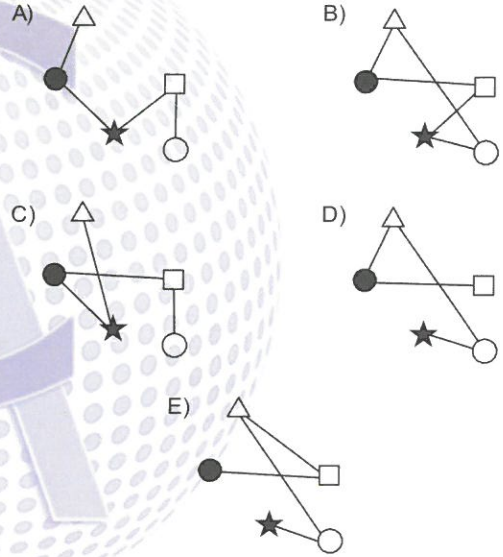
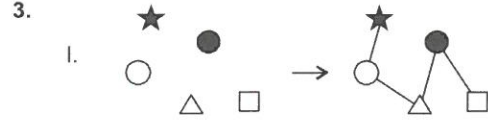
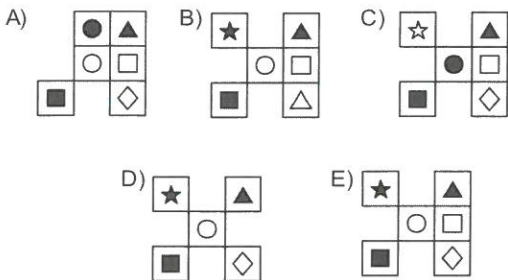
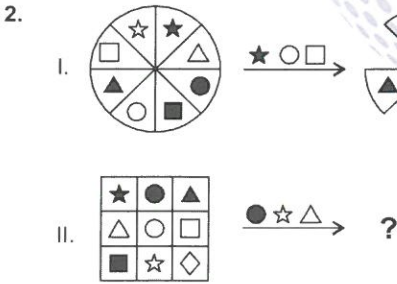
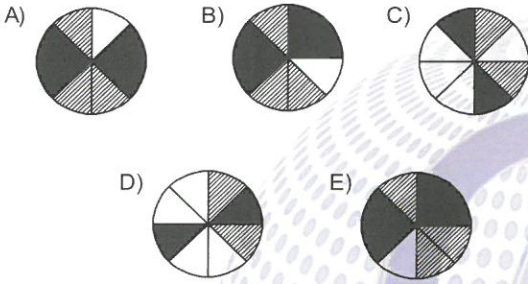
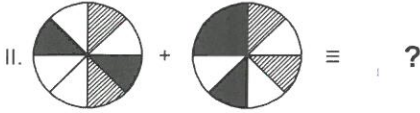
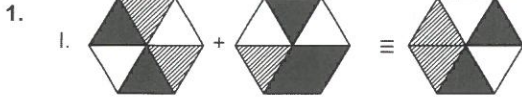
D) 5, 3

E) 3, 5



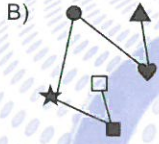
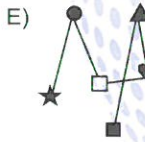
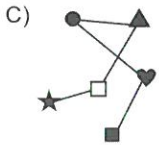
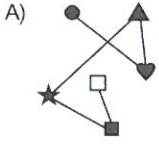
Cevap Anahtarı – Answer Sheet

1.D	2.E	3.C	4.C	5.C	6.A
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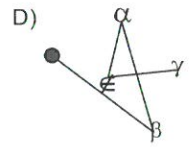
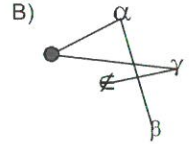
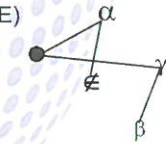
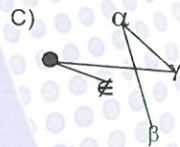
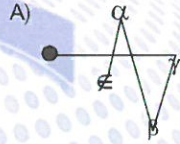
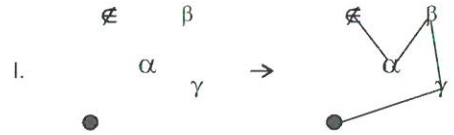




4.



5.

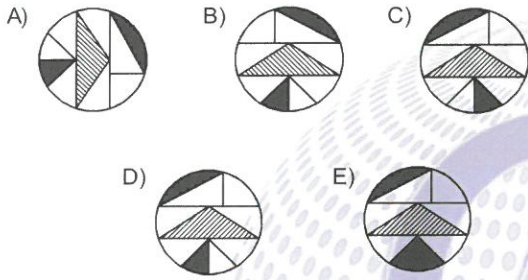
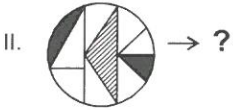
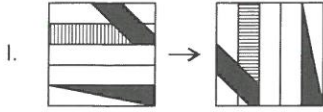


Cevap Anahtarı – Answer Sheet

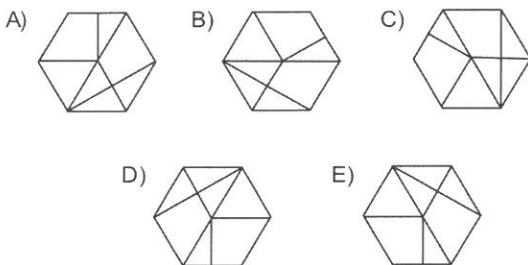
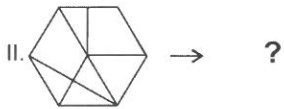
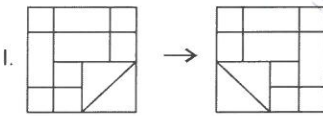
1.B	2.B	3.D	4.D	5.A
-----	-----	-----	-----	-----



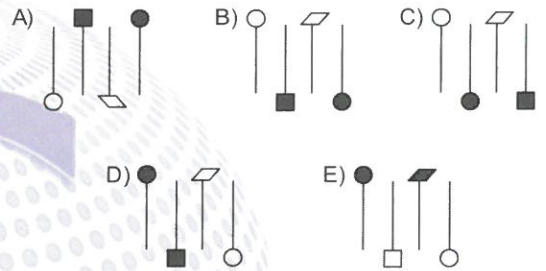
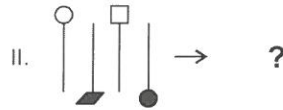
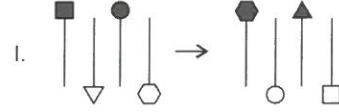
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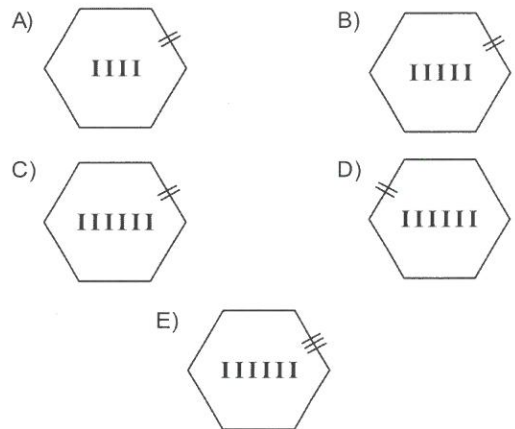
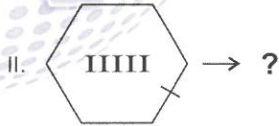
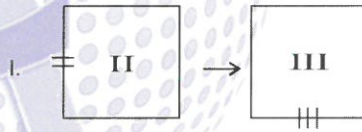
2.



3.

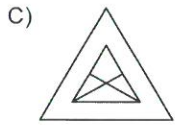
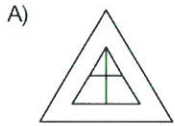
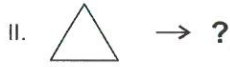
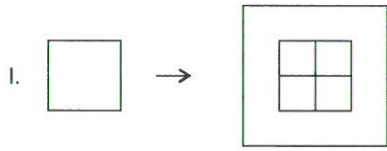


4.





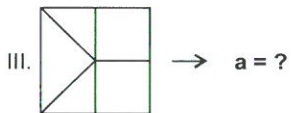
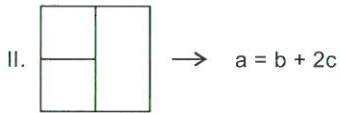
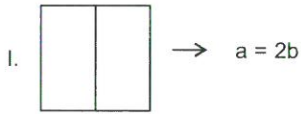
5.



E)



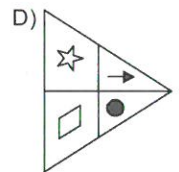
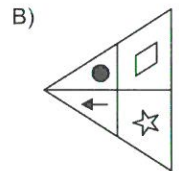
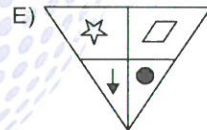
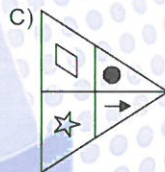
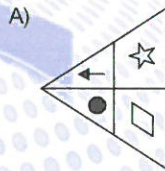
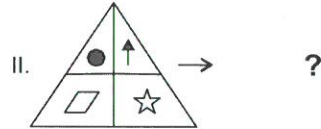
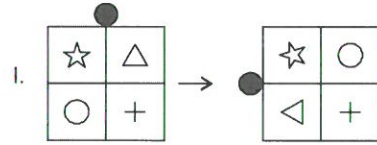
6.



A) $2c + 3c + 2e$ B) $c + 2d + e$ C) $2c + 2d + 2e$

D) $3c + d + e$ E) $3c + 2d$

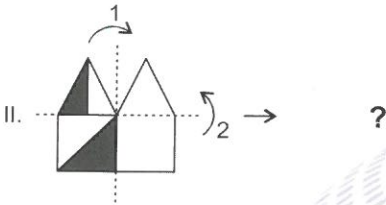
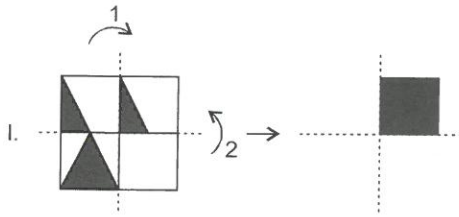
7.



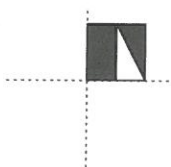
Cevap Anahtarı – Answer Sheet

1.C	2.A	3.B	4.C
5.B	6.E	7.B	

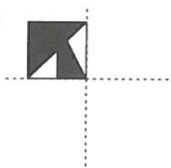
1.



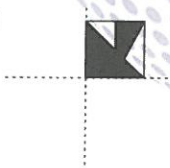
A)



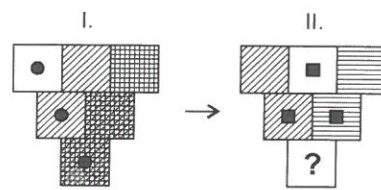
C)



E)



2.



A)



B)



C)



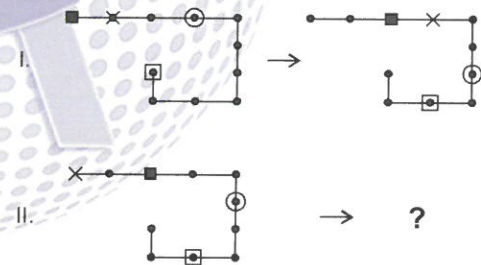
D



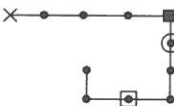
E)



3.



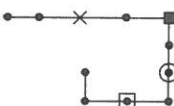
A)



B)



C)



D)

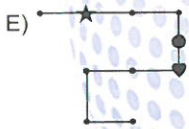
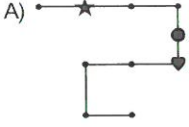
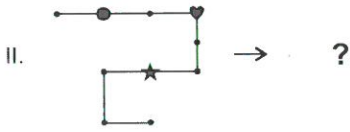
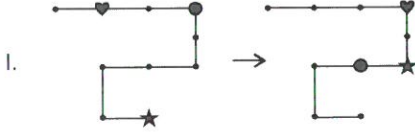


E)

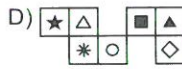
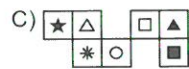
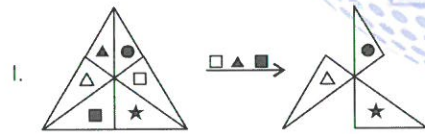




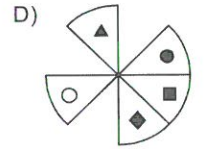
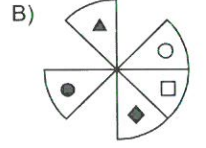
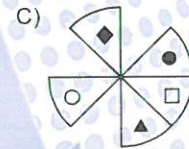
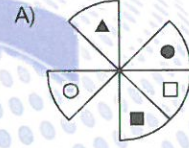
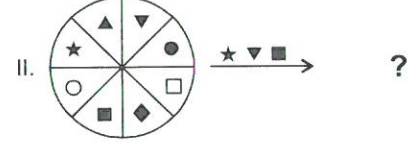
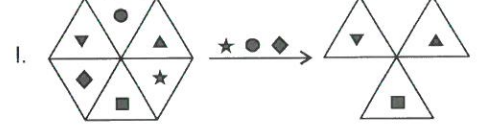
4.



5.



6.

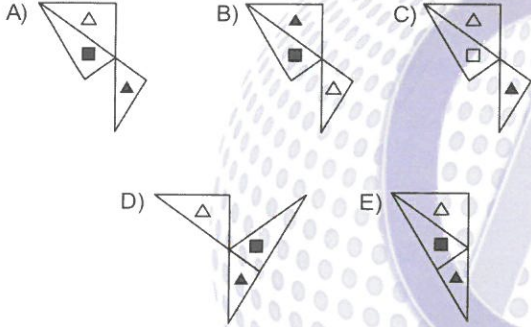
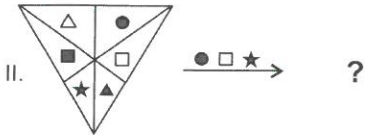
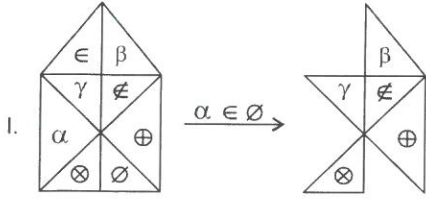


Cevap Anahtarı – Answer Sheet

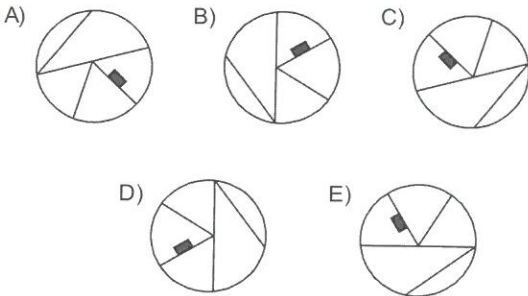
1.D	2.A	3.E	4.D	5.B	6.E
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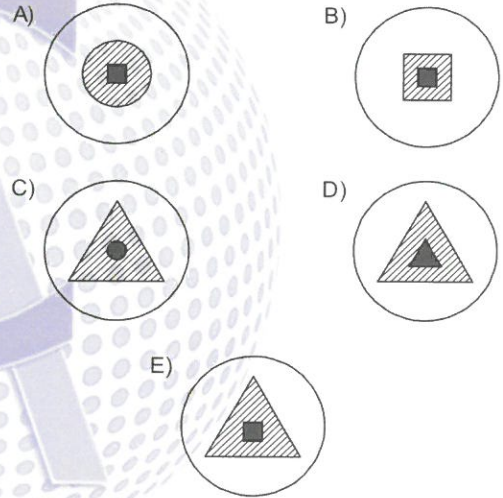
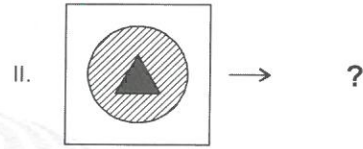
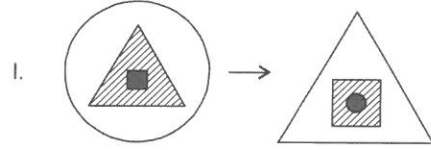
1.

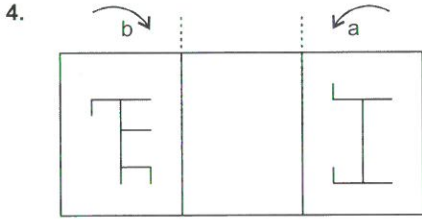


2. Aşağıdakilerden hangisi diğerlerinden farklıdır?

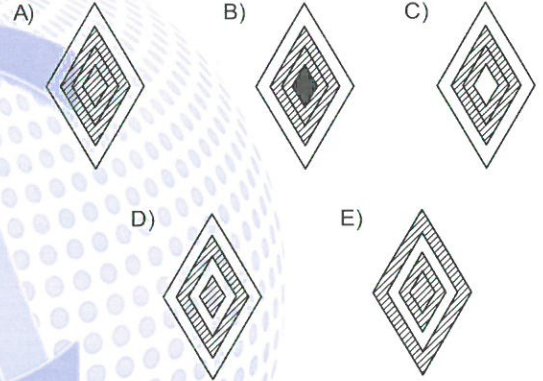
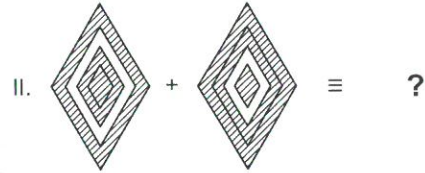
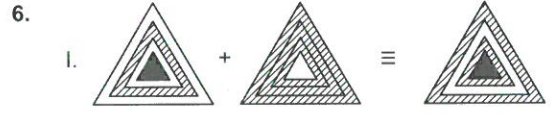
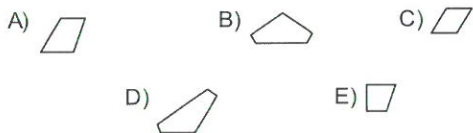
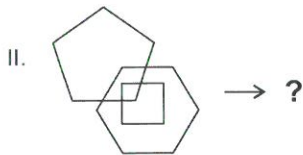
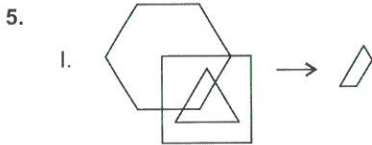
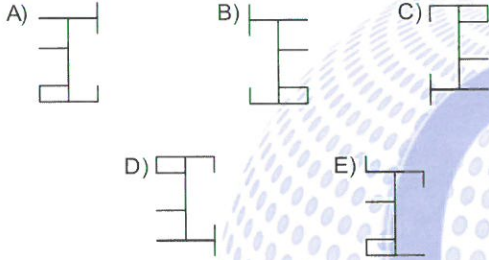


3.





Yukarıdaki şekil a ve b eksenlerinde ok yönlerinde katlanırsa aşağıdaki şekillerden hangisi olur?



Cevap Anahtarı – Answer Sheet

1.A	2.D	3.E	4.A	5.E	6.C
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10. BÖLÜM

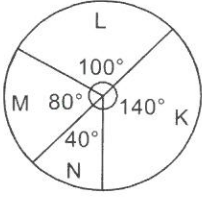
GRAFİKLER





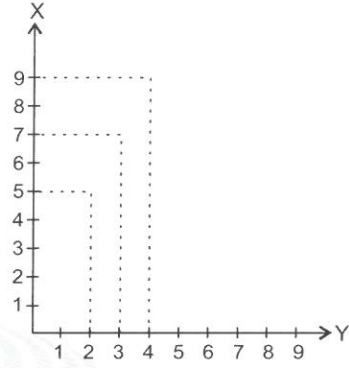


1.

 $\Rightarrow K, L, M, N = ?$

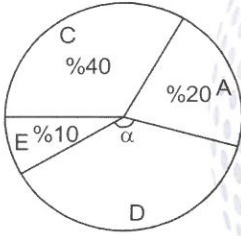
- A) 2, 5, 7, 4 B) 7, 4, 2, 5 C) 7, 5, 4, 2
D) 2, 4, 5, 7 E) 5, 4, 7, 2

4.

 $x = 101$ $y = ?$

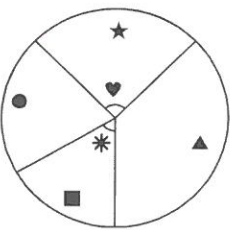
- A) 40 B) 45 C) 50 D) 55 E) 60

2.

 $\Rightarrow \alpha = ?^\circ$

- A) 96 B) 108 C) 118 D) 210 E) 212

3.



$$\triangle = \frac{2}{5}$$

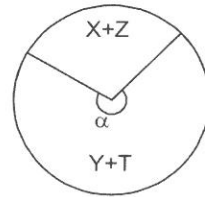
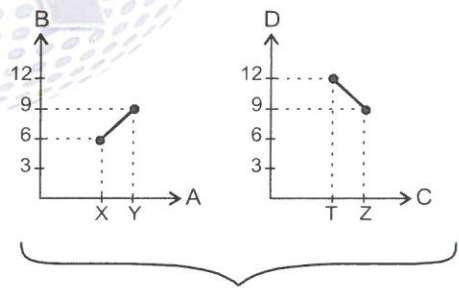
$$\bullet = \frac{11}{40}$$

$$\heartsuit - \ast = 73^\circ$$

$$\heartsuit = ?$$

- A) 90 B) 108 C) 158 D) 160 E) 178

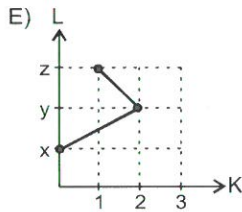
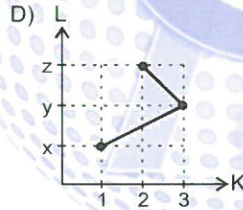
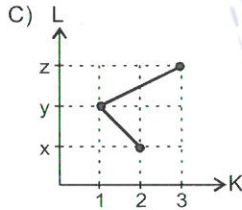
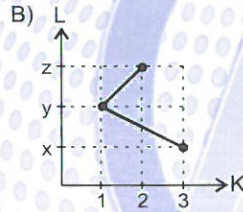
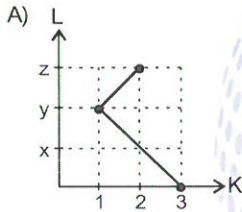
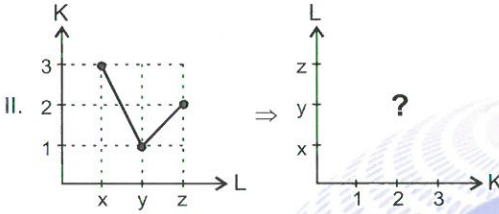
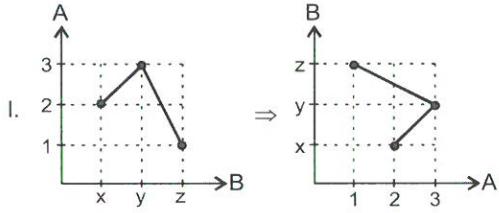
5.

 $\alpha = ?$

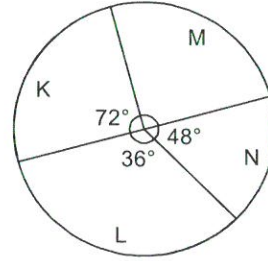
- A) 120 B) 150 C) 210 D) 240 E) 270



6.

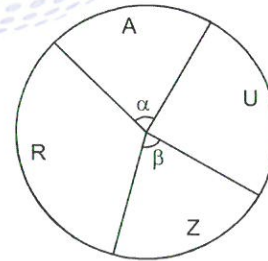


7.

 $N = ?$ $M = ?$ $K = ?$ $L = ?$

	N	M	K	L
A)	$\frac{1}{5}$	$\frac{1}{10}$	$\frac{51}{90}$	$\frac{2}{15}$
B)	$\frac{1}{10}$	$\frac{1}{5}$	$\frac{2}{15}$	$\frac{51}{90}$
C)	$\frac{2}{15}$	$\frac{51}{90}$	$\frac{1}{10}$	$\frac{1}{5}$
D)	$\frac{2}{15}$	$\frac{51}{90}$	$\frac{1}{5}$	$\frac{1}{10}$
E)	$\frac{51}{90}$	$\frac{2}{15}$	$\frac{1}{5}$	$\frac{1}{10}$

8.



$$R = \frac{13}{60}$$

$$U = \frac{1}{9}$$

$$\alpha - \beta = 66^\circ$$

$$\beta = ?$$

A) 56 B) 63 C) 72 D) 88 E) 96

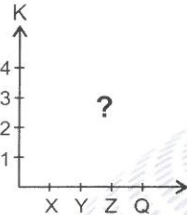
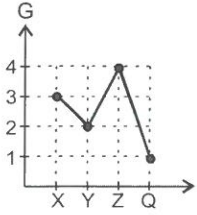
Cevap Anahtarı – Answer Sheet

1.C	2.B	3.A	4.C
5.C	6.B	7.D	8.D

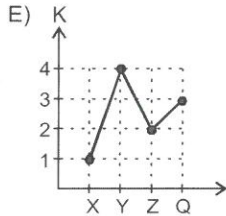
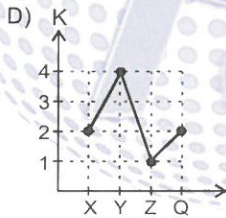
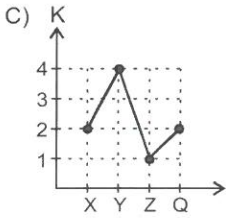
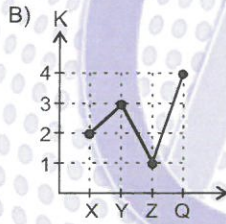
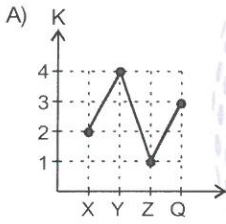


1.

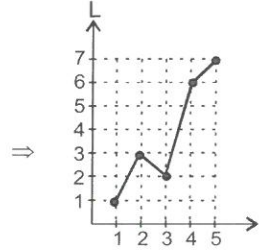
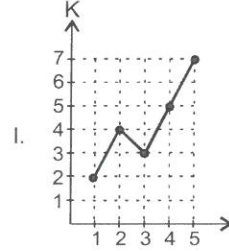
	X	Y	Z	Q
K	2	4	1	3
T	1	2	3	4
G	3	2	4	1
N	4	3	2	1



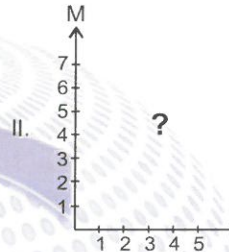
?



2.

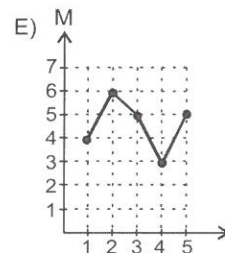
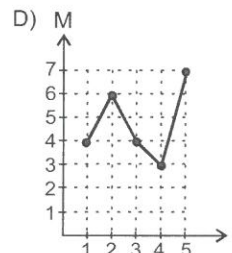
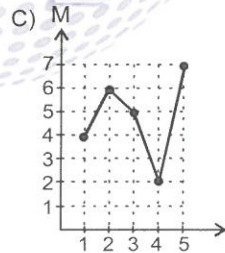
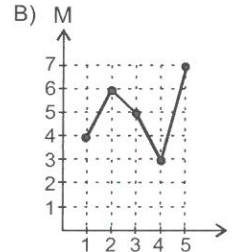
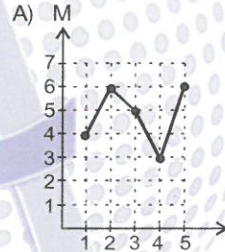


⇒



?

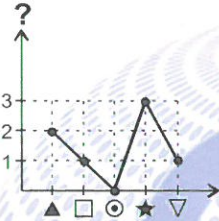
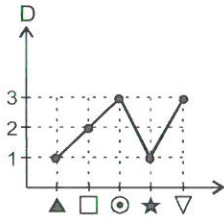
$$3K - 2L = M$$





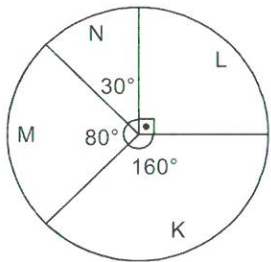
3.

▲	□	⊙	★	▽
A	B	E	A	D
B	C	D	C	A
A	D	C	A	D
D	D	D	E	D
E	A	B	D	B
F	C	F	A	F
B	F	D	E	C

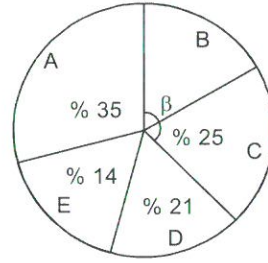


A) A B) C C) D D) E E) F

4.

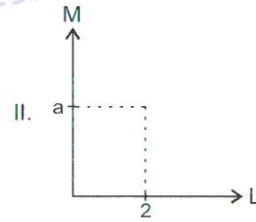
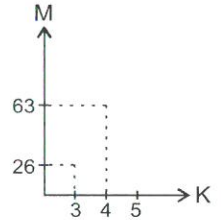
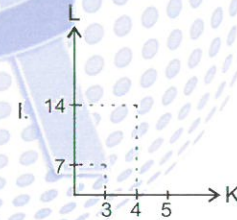
 $\Rightarrow K, L, M, N = ?$ A) 16, 5, 8, 9 B) 16, 9, 8, 3 C) 16, 4, 9, 8
D) 4, 6, 7, 8 E) 2, 3, 5, 7

5.

 $\Rightarrow \beta = ?$

A) 18 B) 24 C) 48 D) 66 E) 70

6.

 $a = ?$

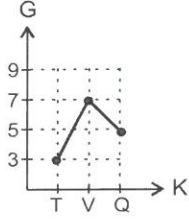
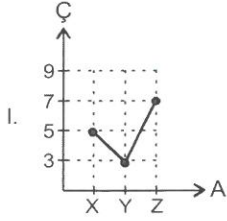
A) 1 B) 3 C) 5 D) 7 E) 9

Cevap Anahtarı – Answer Sheet

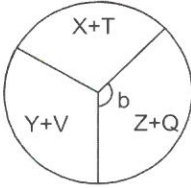
1.A	2.B	3.A	4.B	5.A	6.D
-----	-----	-----	-----	-----	-----



1.



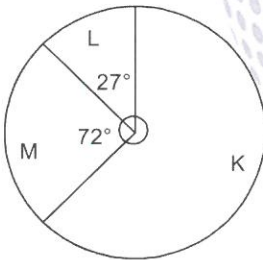
II.



$b = ?$

- A) 96 B) 108 C) 116 D) 124 E) 144

2.



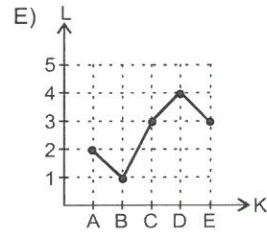
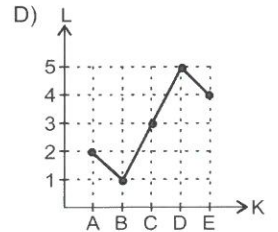
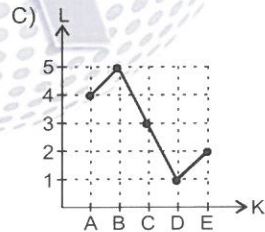
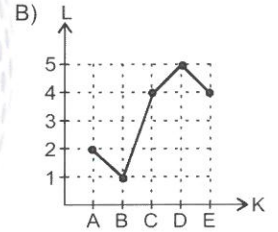
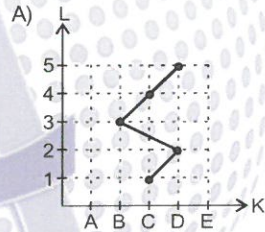
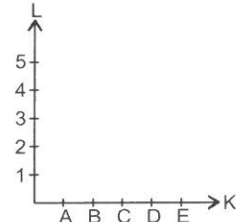
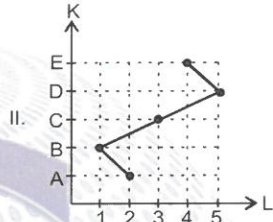
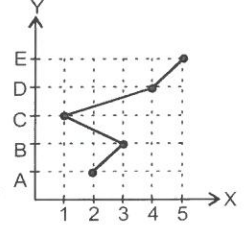
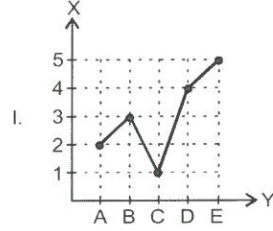
$K = ?$

$\Rightarrow L = ?$

$M = ?$

	L	M	K
A)	$\frac{3}{40}$	$\frac{29}{40}$	$\frac{1}{5}$
B)	$\frac{29}{40}$	$\frac{1}{5}$	$\frac{3}{40}$
C)	$\frac{3}{40}$	$\frac{1}{5}$	$\frac{29}{40}$
D)	$\frac{16}{3}$	$\frac{2}{23}$	$\frac{1}{5}$
E)	$\frac{1}{36}$	$\frac{2}{23}$	$\frac{16}{3}$

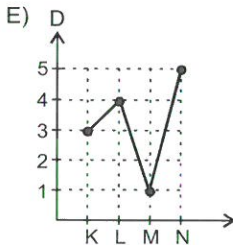
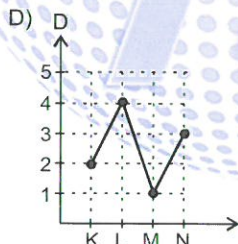
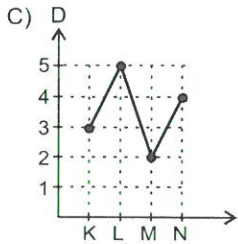
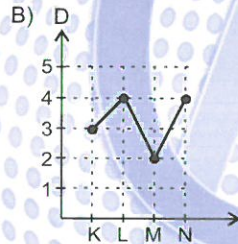
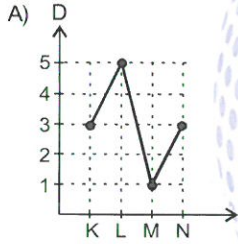
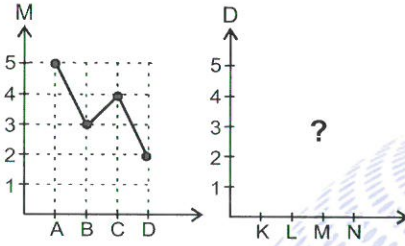
3.



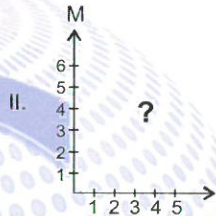
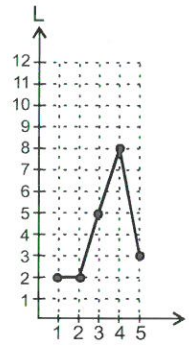
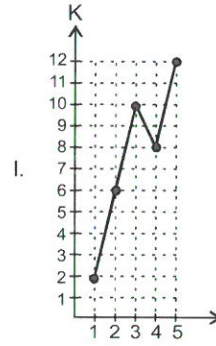


4.

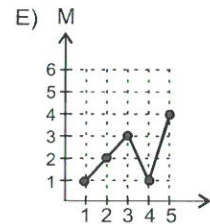
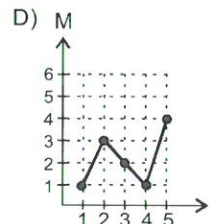
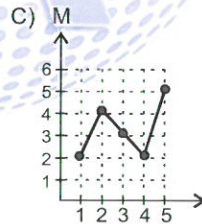
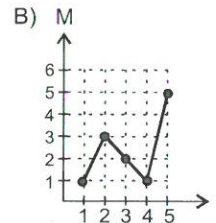
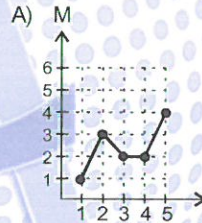
	K	L	M	N
A	4	2	5	3
B	5	4	3	2
C	2	3	4	5
D	3	5	2	4



5.



$$\frac{K}{L} = M$$



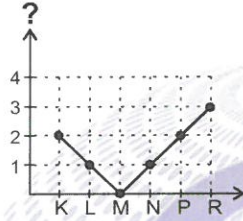
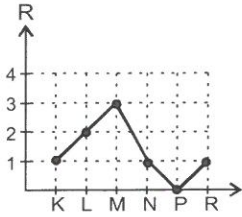
Cevap Anahtarı – Answer Sheet

1.E	2.C	3.D	4.C	5.D
-----	-----	-----	-----	-----



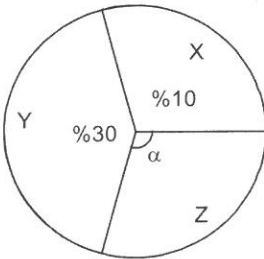
1.

K	L	M	N	P	R
A	R	A	G	Y	Y
R	Z	Z	R	A	L
Z	R	R	L	Y	Y
Y	A	R	A	G	Y
L	G	G	Y	L	R
Y	Y	R	A	Z	A



- A) A B) G C) Y D) Z E) L

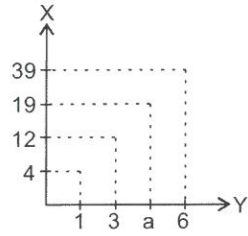
2.



$$\Rightarrow \alpha = ?$$

- A) 118 B) 124 C) 144 D) 216 E) 224

3.

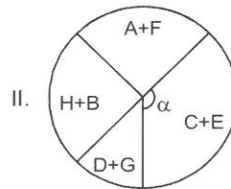
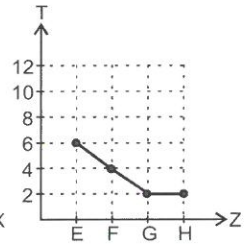
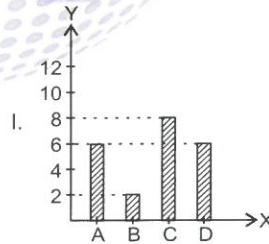


$$X = 19$$

$$a = ?$$

- A) 6 B) 5 C) 4 D) 3 E) 2

4.

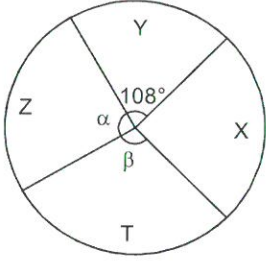


$$\Rightarrow \alpha = ?$$

- A) 120 B) 140 C) 160 D) 180 E) 200



5.



$$Y = 108^\circ$$

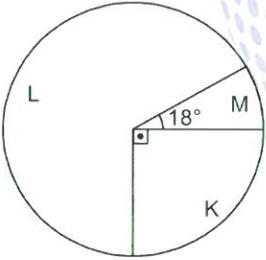
$$X = \frac{2}{9}$$

$$\beta - \alpha = 38^\circ$$

$$\alpha = ?$$

- A) 20 B) 22 C) 44 D) 67 E) 84

6.



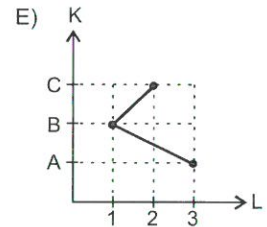
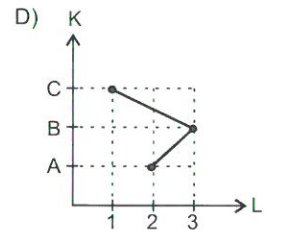
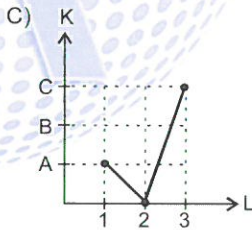
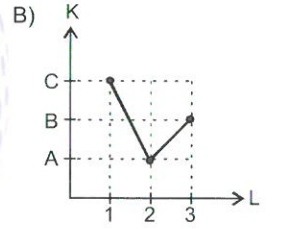
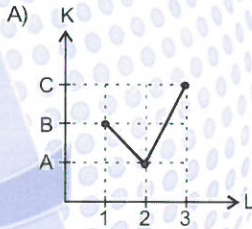
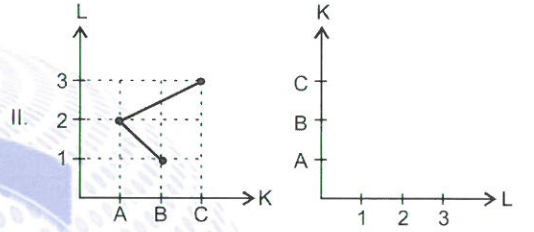
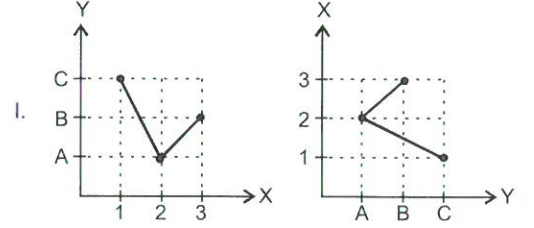
$$K = ?$$

$$L = ?$$

$$M = ?$$

- | | K | L | M |
|----|----------------|----------------|----------------|
| A) | $\frac{1}{20}$ | $\frac{7}{10}$ | $\frac{1}{4}$ |
| B) | $\frac{1}{4}$ | $\frac{1}{20}$ | $\frac{7}{10}$ |
| C) | $\frac{4}{3}$ | $\frac{2}{7}$ | $\frac{5}{10}$ |
| D) | $\frac{7}{10}$ | $\frac{1}{4}$ | $\frac{1}{20}$ |
| E) | $\frac{1}{4}$ | $\frac{7}{10}$ | $\frac{1}{20}$ |

7.

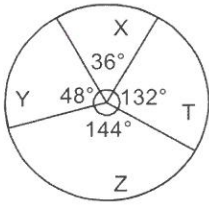


Cevap Anahtarı – Answer Sheet

1.C	2.D	3.C	4.B
5.D	6.E	7.A	



1.

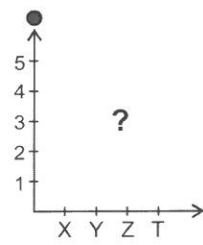
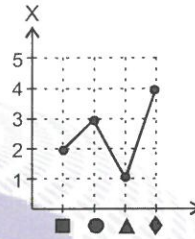
 $\Rightarrow$

?

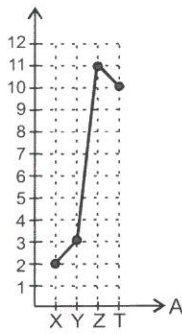
A

2.

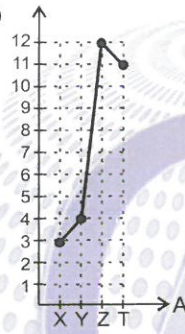
	X	Y	Z	T
■	2	1	4	3
●	3	2	1	4
▲	1	3	2	4
◆	4	2	3	1



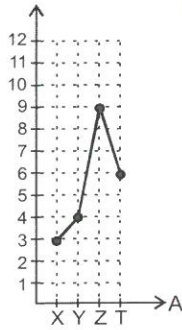
A)



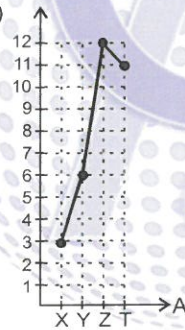
B)



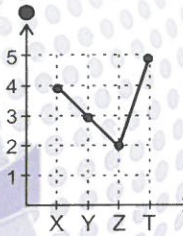
C)



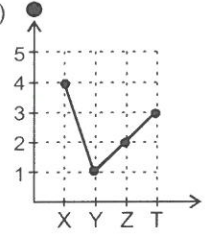
D)



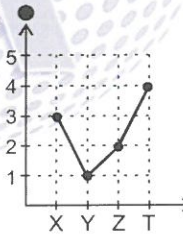
A)



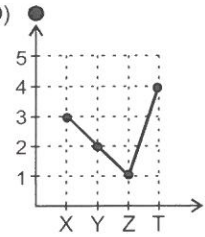
B)



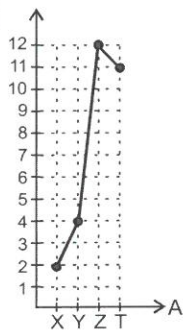
C)



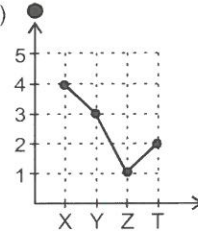
D)



E)

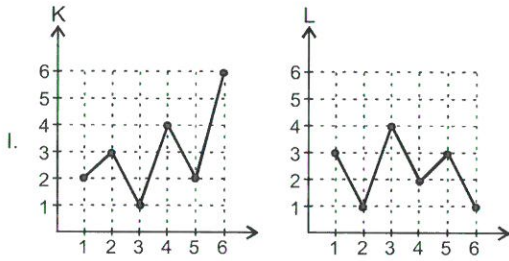


E)

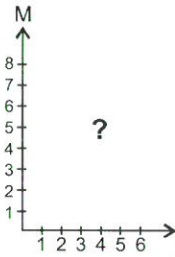




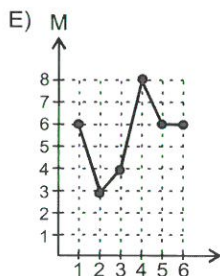
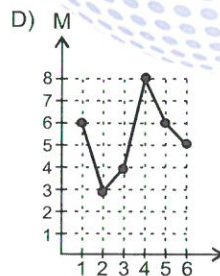
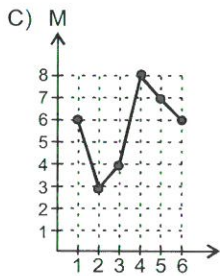
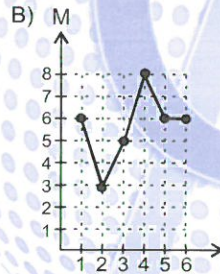
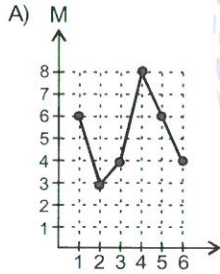
3.



II.

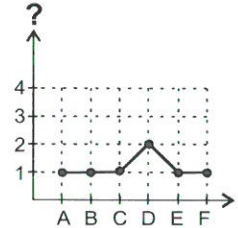
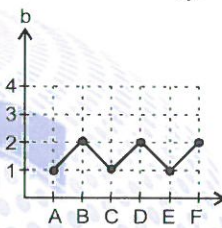


K . L = M



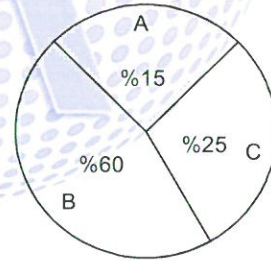
4.

A	B	C	D	E	F
a	b	a	d	a	c
a	a	b	c	b	e
b	e	a	b	d	b
c	d	c	a	c	b
d	a	a	b	a	f
f	b	f	c	e	a
e	c	d	a	e	d



A) a B) c C) d D) e E) f

5.



A = ?

⇒ B = ?

C = ?

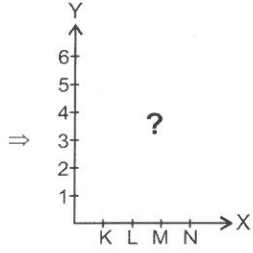
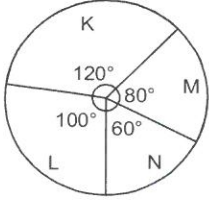
	A	B	C
A)	54	216	90
B)	90	216	54
C)	144	90	54
D)	54	90	144
E)	16	54	90

Cevap Anahtarı – Answer Sheet

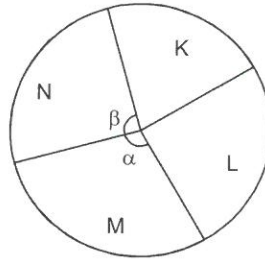
1.B	2.D	3.E	4.B	5.A
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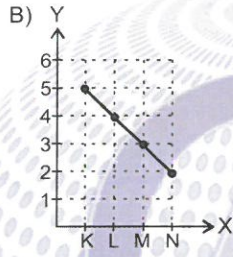
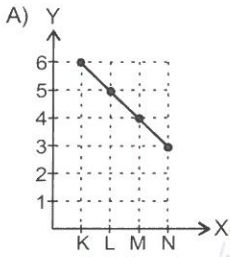
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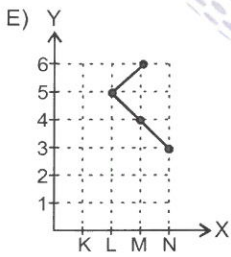
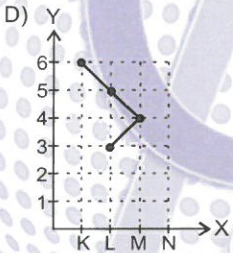
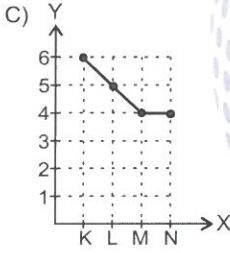
2.



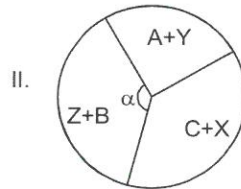
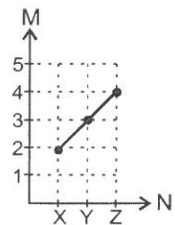
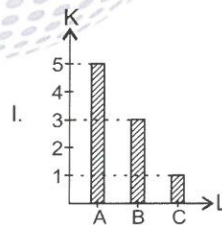
$$\begin{aligned} K &= 58^\circ \\ L &= \frac{1}{4} \\ \alpha - \beta &= 46^\circ \\ \alpha &= ? \end{aligned}$$



A) 109 B) 115 C) 119 D) 125 E) 129



3.

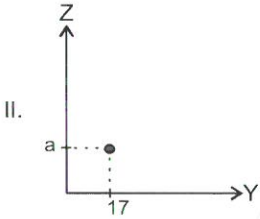
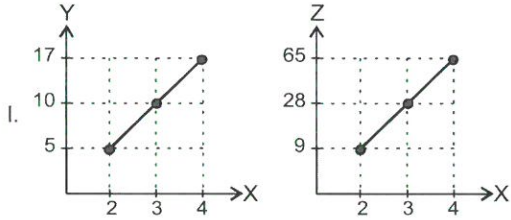


$$\Rightarrow \alpha = ?$$

A) 60 B) 72 C) 95 D) 108 E) 140

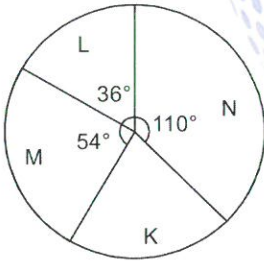


4.



- A) 65 B) 69 C) 75 D) 115 E) 120

5.

 $\Rightarrow$ K = ?

L = ?

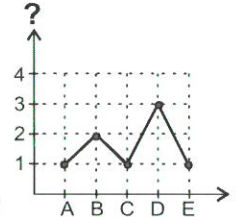
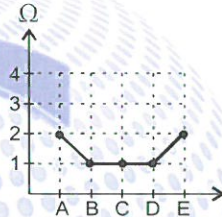
M = ?

N = ?

	K	L	M	N
A)	$\frac{1}{10}$	$\frac{3}{10}$	$\frac{11}{5}$	$\frac{3}{20}$
B)	$\frac{1}{20}$	$\frac{1}{10}$	$\frac{2}{15}$	$\frac{51}{90}$
C)	$\frac{4}{9}$	$\frac{1}{10}$	$\frac{3}{20}$	$\frac{11}{36}$
D)	$\frac{4}{9}$	$\frac{1}{20}$	$\frac{3}{20}$	$\frac{11}{36}$
E)	$\frac{1}{10}$	$\frac{4}{9}$	$\frac{11}{36}$	$\frac{3}{20}$

6.

A	B	C	D	E
β	$\emptyset$	α	Δ	$\emptyset$
Δ	β	$\emptyset$	α	Δ
β	α	Ω	$\emptyset$	Δ
α	Ω	$\emptyset$	α	Ω
Ω	α	Δ	Ω	$\emptyset$
Ω	$\emptyset$	$\emptyset$	β	α
$\emptyset$	$\emptyset$	β	α	Ω



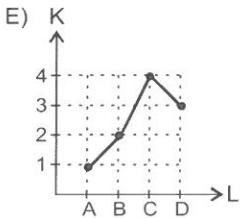
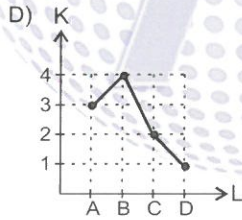
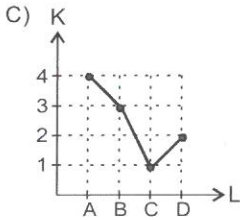
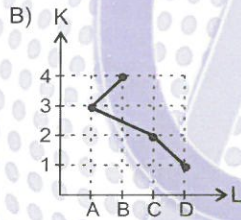
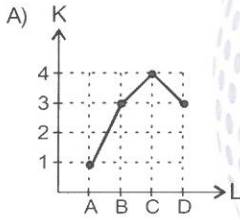
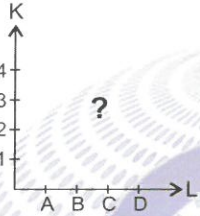
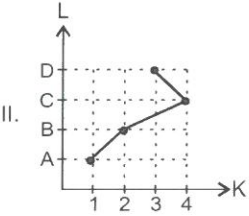
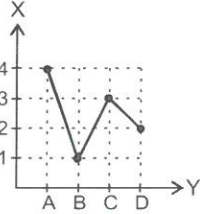
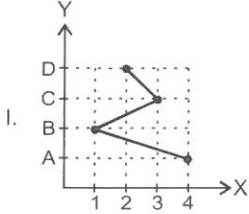
- A) $\emptyset$ B) $\emptyset$ C) α D) Δ E) β

Cevap Anahtarı – Answer Sheet

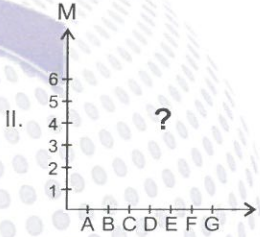
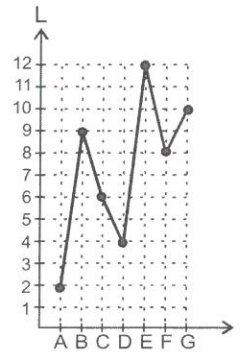
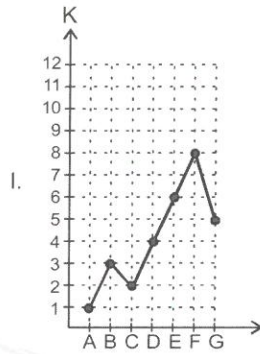
1.A	2.E	3.E	4.A	5.C	6.C
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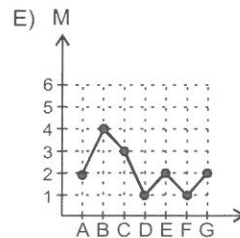
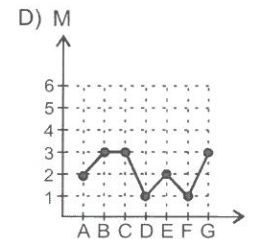
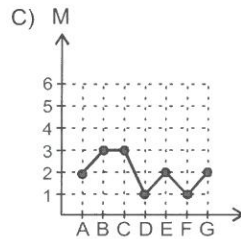
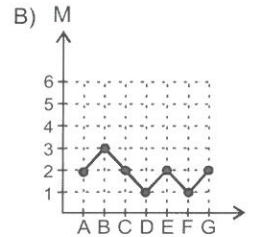
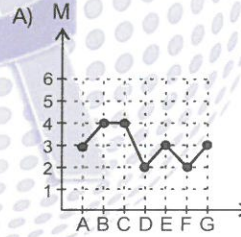
1.



2.



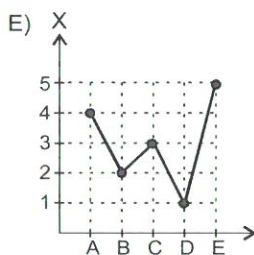
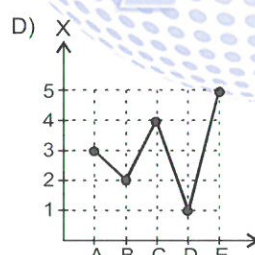
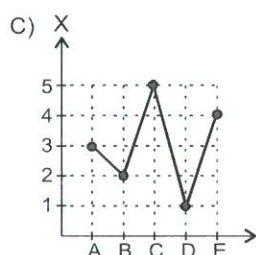
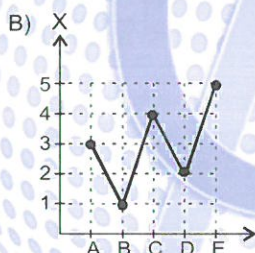
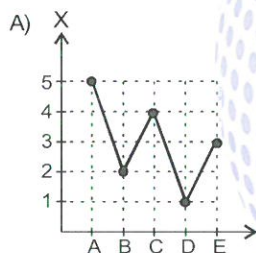
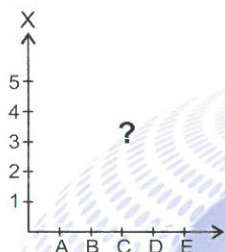
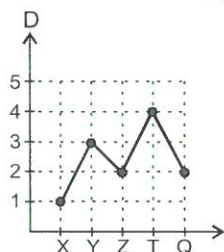
$$\frac{L}{K} = M$$



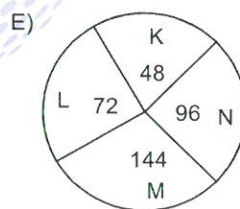
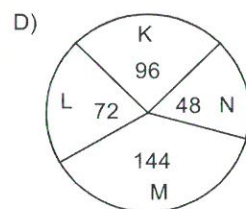
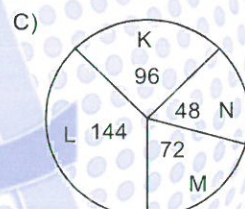
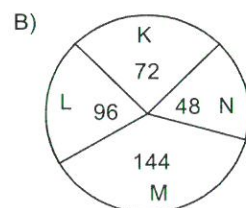
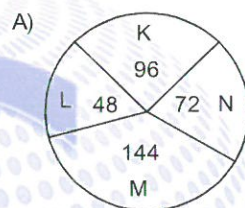
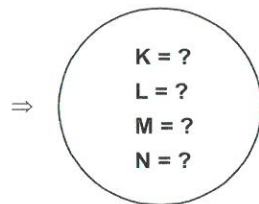
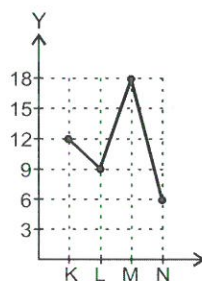


3.

	A	B	C	D	E
X	3	2	4	1	5
Y	1	2	5	3	4
Z	5	4	3	2	1
T	1	2	3	4	5
Q	4	1	5	2	3



4.

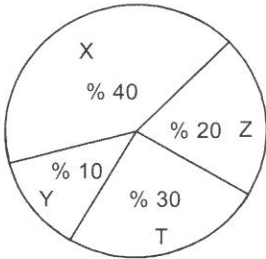


Cevap Anahtarı – Answer Sheet

1.E	2.C	3.D	4.D
-----	-----	-----	-----



1.

 $\Rightarrow$

$X = ?$

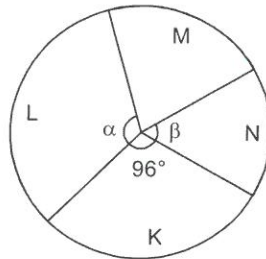
$Y = ?$

$T = ?$

$Z = ?$

	X	Y	T	Z
A)	144	36	216	108
B)	36	288	216	108
C)	18	108	212	36
D)	144	108	216	36
E)	144	36	108	72

3.



$K = 96^\circ$

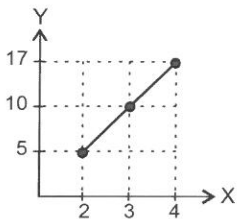
$M = \frac{1}{4}$

$\alpha - \beta = 58^\circ$

$\beta = ?$

A) 54 B) 56 C) 58 D) 68 E) 70

2.

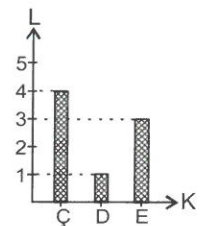
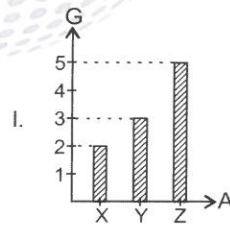


$X = 12$

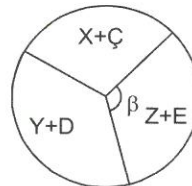
$Y = ?$

A) 143 B) 144 C) 145 D) 146 E) 147

4.



II.

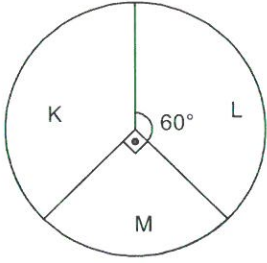


$\Rightarrow \beta = ?$

A) 72 B) 98 C) 116 D) 120 E) 160



5.

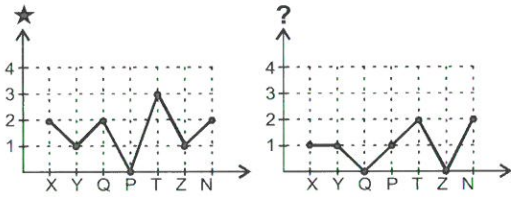


$$\Rightarrow \begin{aligned} K &= ? \\ L &= ? \\ M &= ? \end{aligned}$$

	K	L	M
A)	$\frac{5}{12}$	$\frac{1}{4}$	$\frac{3}{7}$
B)	$\frac{7}{12}$	$\frac{5}{12}$	$\frac{1}{4}$
C)	$\frac{1}{6}$	$\frac{1}{4}$	$\frac{5}{12}$
D)	$\frac{7}{12}$	$\frac{1}{6}$	$\frac{1}{4}$
E)	$\frac{1}{6}$	$\frac{7}{12}$	$\frac{1}{4}$

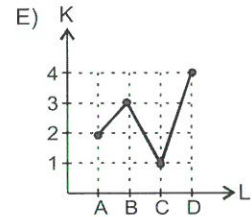
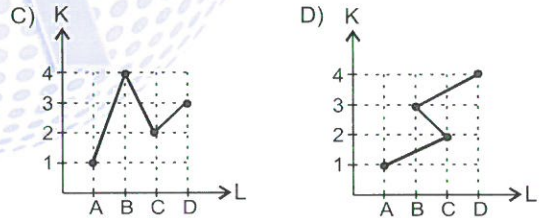
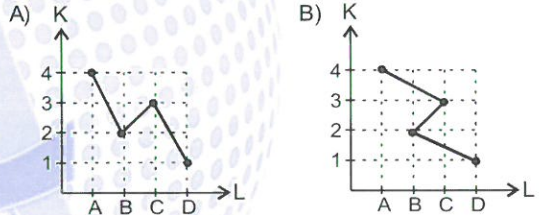
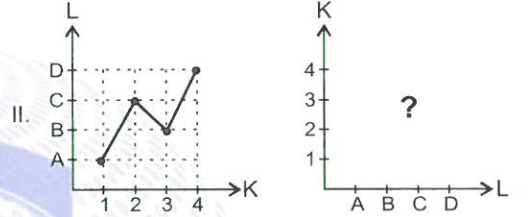
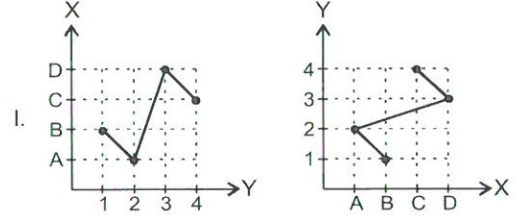
6.

X	Y	Q	P	T	Z	N
★	♥	□	☑	★	□	▲
□	★	☑	□	★	⊙	⊙
⊙	⊙	⊙	▲	□	□	▲
★	☑	★	⊙	★	★	□
▲	▲	♥	♥	▲	☑	★
□	⊙	★	♥	▲	⊙	★



A) ▲ B) □ C) ♥ D) ⊙ E) ☑

7.

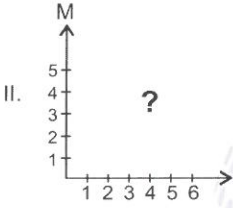
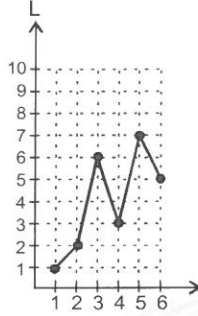
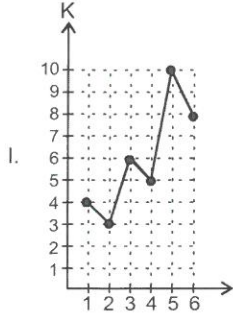


Cevap Anahtarı – Answer Sheet

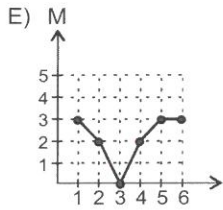
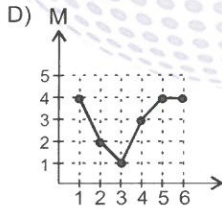
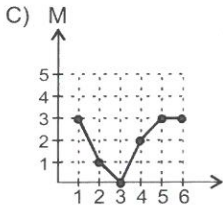
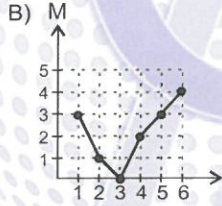
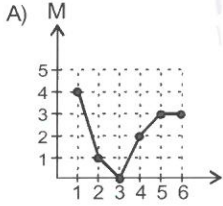
1.E	2.C	3.C	4.E
5.D	6.A	7.D	



1.

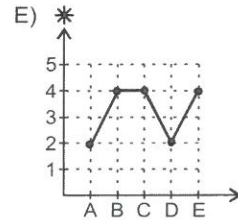
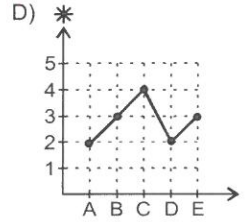
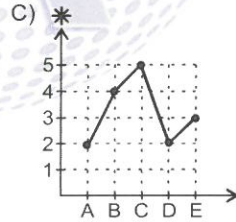
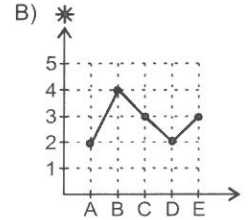
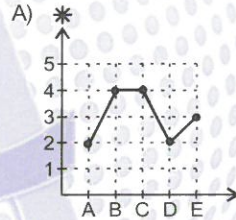
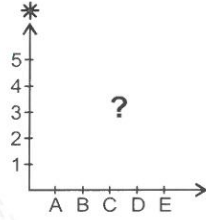


$$K - L = M$$



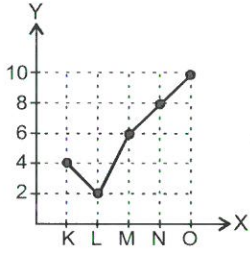
2.

	◇	*	✱	✱	▽
A	1	2	4	3	5
B	5	4	2	3	1
C	3	4	5	1	2
D	1	2	3	4	5
E	4	3	1	5	2



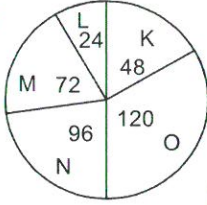


3.

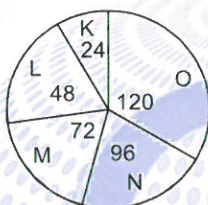
 $\Rightarrow$

K = ?
L = ?
M = ?
N = ?
O = ?

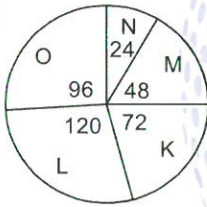
A)



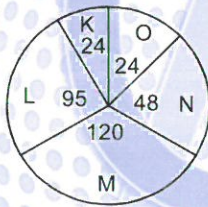
B)



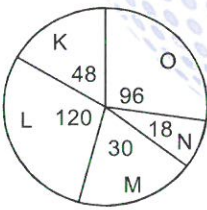
C)



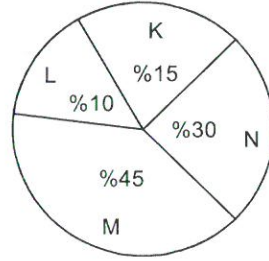
D)



E)



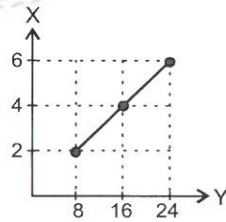
4.

 $\Rightarrow$

K = ?
L = ?
M = ?
N = ?

	K	L	M	N
A)	324	108	154	62
B)	24	36	108	162
C)	54	36	162	108
D)	108	100	56	316
E)	72	108	162	324

5.



X = 21

Y = ?

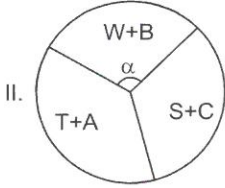
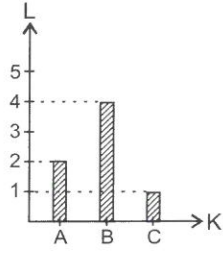
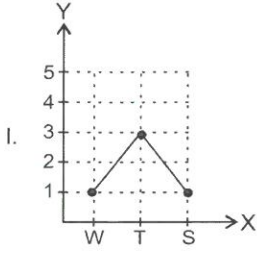
A) 64 B) 84 C) 92 D) 108 E) 116

Cevap Anahtarı – Answer Sheet

1.C	2.A	3.A	4.C	5.B
-----	-----	-----	-----	-----

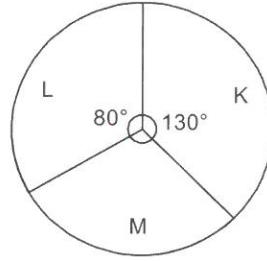


1.

 $\Rightarrow \alpha = ?$

- A) 120 B) 130 C) 140 D) 150 E) 160

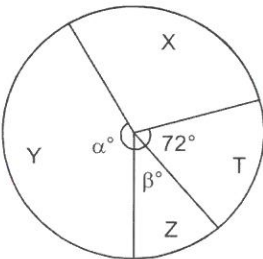
3.



$\Rightarrow$
 $K = ?$
 $L = ?$
 $M = ?$

	K	L	M
A)	$\frac{36}{13}$	$\frac{4}{5}$	$\frac{6}{15}$
B)	$\frac{13}{36}$	$\frac{2}{9}$	$\frac{5}{12}$
C)	$\frac{2}{9}$	$\frac{13}{36}$	$\frac{5}{12}$
D)	$\frac{5}{12}$	$\frac{4}{9}$	$\frac{7}{15}$
E)	$\frac{1}{9}$	$\frac{4}{12}$	$\frac{5}{13}$

2.

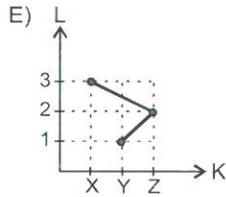
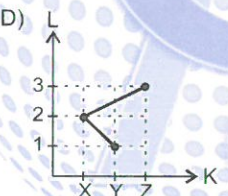
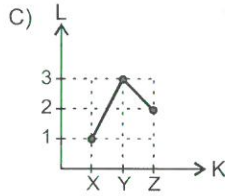
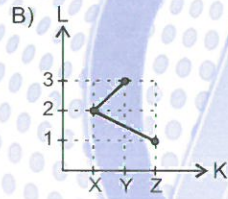
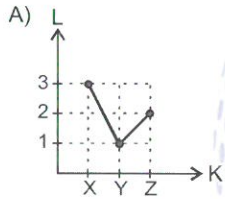
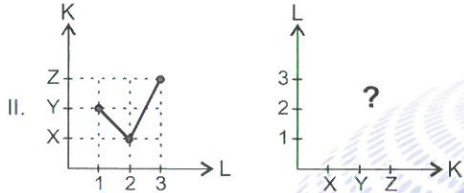
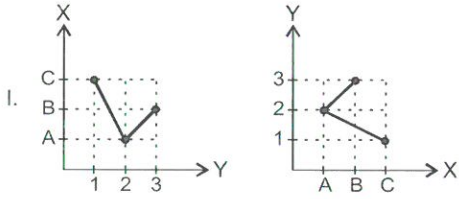


$T = 72^\circ$
 $X = \frac{1}{5}$
 $\Rightarrow \alpha - \beta = 162^\circ$
 $\alpha = ?$

- A) 169 B) 189 C) 209 D) 219 E) 223

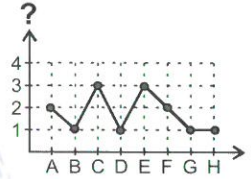
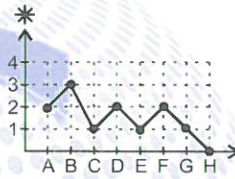


4.



5.

A	B	C	D	E	F	G	H
*	∅	∅	*	β	#	α	∅
∅	α	∅	#	α	∅	∅	α
∅	∅	∅	*	∅	∅	α	∅
∅	*	#	∅	#	*	#	β
#	#	∅	α	∅	*	α	∅
*	*	*	β	∅	∅	*	#
∅	*	β	∅	*	∅	β	α



A) ∅ B) # C) ∅ D) α E) β

Cevap Anahtarı – Answer Sheet

1.D	2.B	3.B	4.D	5.A
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11. BÖLÜM

İŞLEM TABLOSU







⊗	K	L	M	N	O	Ö
K	M	N	K	O	Ö	L
L	N	M	Ö	L	K	O
M	L	O	N	K	M	Ö
N	Ö	L	O	M	N	K
O	K	Ö	L	N	O	M
Ö	O	K	M	Ö	L	N

♥	T	S	W	Q	Y	Z
T	W	Q	T	Y	Z	S
S	Q	W	Z	S	T	Y
W	A	Y	Q	T	W	Z
Q	Z	S	Y	W	Q	T
Y	T	Z	S	Q	Y	W
Z	Y	T	W	Z	S	Q

1. $[(M \otimes K) \otimes L] \otimes [O \otimes (N \otimes \ddot{O})] = ?$

- A) $(K \otimes L)$ B) $(M \otimes O)$ C) $(N \otimes L)$
D) $(N \otimes M)$ E) $(N \otimes L)$

2. $K \otimes \left\{ [(M \otimes O) \otimes L] \otimes (N \otimes N) \right\} = ?$

- A) K B) L C) M D) N E) O

3. $\left\{ N \otimes [(K \otimes M) \otimes ?] \right\} \otimes \ddot{O} = O$

- A) O B) L C) Ö D) M E) K

4. $? \otimes [(K \otimes L) \otimes (M \otimes N)] = L$

- A) $(L \otimes K)$ B) $(L \otimes O)$ C) $(M \otimes O)$
D) $(N \otimes L)$ E) $(O \otimes N)$

5. $[(T \heartsuit W) \heartsuit (Q \heartsuit Y)] \heartsuit Z = ?$

- A) $(W \heartsuit Y)$ B) $(S \heartsuit W)$ C) $(Q \heartsuit Z)$
D) $(Y \heartsuit T)$ E) $(Q \heartsuit S)$

6. $\left\{ S \heartsuit [(T \heartsuit Z) \heartsuit Q] \right\} \heartsuit T = ?$

- A) $(W \heartsuit W)$ B) $(Q \heartsuit S)$ C) $(Y \heartsuit Q)$
D) $(Z \heartsuit Z)$ E) $(W \heartsuit T)$

7. $[(W \heartsuit Q) \heartsuit (Y \heartsuit T)] \heartsuit (?) = T$

- A) W B) Q C) Z D) T E) S

8. $Q \heartsuit \left\{ [(Z \heartsuit T) \heartsuit S] \heartsuit (?) \heartsuit Y \right\} = W$

- A) T B) S C) W D) Z E) Y



★	⊗	∅	□	≠	≅	⊃
⊗	□	≠	⊗	≅	⊃	∅
∅	≠	□	⊃	∅	⊗	≅
□	∅	≅	≠	⊗	□	⊃
≠	⊃	∅	≅	□	≠	⊗
≅	⊗	⊃	∅	≠	≅	□
⊃	≅	∅	□	⊃	∅	≠

◆	⊠	⊡	⊗	∅	⊕	⊞
⊠	⊗	∅	⊠	⊕	⊞	⊡
⊡	∅	⊗	⊞	⊡	⊠	⊕
⊗	⊡	⊕	∅	⊠	⊗	⊞
∅	⊞	⊡	⊕	⊗	∅	⊠
⊕	⊠	⊞	⊡	∅	⊕	⊗
⊞	⊕	⊠	⊞	⊡	⊞	∅

9. $\left\{ \square \star [(\emptyset \star \cong) \star \supset] \right\} \star \neq = ?$

- A) $(\emptyset \star \square)$ B) $(\neq \star \otimes)$ C) $(\cong \star \neq)$
D) $(\supset \star \emptyset)$ E) $(\square \star \cong)$

10. $(\otimes \star \emptyset) \star [(\cong \star \supset) \star (\neq \star \square)] = ?$

- A) $\otimes$ B) $\square$ C) $\emptyset$ D) $\neq$ E) $\cong$

11. $(\cong \star ?) \star [(\square \star \otimes) \star \cong] = \supset$

- A) $(\neq \star \otimes)$ B) $(\supset \star \square)$ C) $(\emptyset \star \neq)$
D) $(\cong \star \neq)$ E) $(\supset \star \emptyset)$

12. $\left\{ \cong \star [(\supset \star \neq) \star \emptyset] \right\} \star (?) = \square$

- A) $\otimes$ B) $\emptyset$ C) $\square$ D) $\neq$ E) $\supset$

13. $\square \star [(\emptyset \star \otimes) \star (\oplus \star \otimes)] = ?$

- A) $(\square \star \square)$ B) $(\emptyset \star \otimes)$ C) $(\otimes \star \emptyset)$
D) $(\otimes \star \otimes)$ E) $(\emptyset \star \oplus)$

14. $[(\square \star \emptyset) \star \otimes] \star (\otimes \star \oplus) = ?$

- A) $\emptyset$ B) $\square$ C) $\otimes$ D) $\oplus$ E) $\square$

15. $(\otimes \star \oplus) \star [? \star (\otimes \star \emptyset)] = \square$

- A) $\otimes$ B) $\emptyset$ C) $\square$ D) $\oplus$ E) $\otimes$

16. $? \star \left\{ [(\square \star \square) \star \otimes] \star \emptyset \right\} = \oplus$

- A) $(\square \star \otimes)$ B) $(\emptyset \star \oplus)$ C) $(\otimes \star \emptyset)$
D) $(\emptyset \star \square)$ E) $(\otimes \star \otimes)$

Cevap Anahtarı – Answer Sheet

1.C	2.D	3.C	4.B	5.A	6.E	7.B	8.A
9.C	10.E	11.D	12.A	13.A	14.C	15.B	16.C



•	□	↗	⊙	Σ	⊇	Π
□	⊙	Σ	□	⊇	Π	↗
↗	Σ	⊙	Π	↗	□	⊇
⊙	↗	⊇	Σ	□	⊙	Π
Σ	Π	↗	⊇	⊙	Σ	□
⊇	□	Π	↗	Σ	⊇	⊙
Π	⊇	□	⊙	Π	↗	Σ

▼	α	∞	∈	ℓ	∪	∉
α	∈	ℓ	α	∪	∉	∞
∞	ℓ	∈	∉	∞	α	∪
∈	∞	∪	ℓ	α	∈	∉
ℓ	∉	∞	∪	∈	ℓ	α
∪	α	∉	∞	ℓ	∪	∈
∉	∪	α	∈	∉	∞	ℓ

1. $(\nwarrow \bullet \Sigma) \bullet [(\supseteq \bullet \Pi) \bullet \square] = ?$

- A) □ B) ↗ C) ⊙ D) Σ E) ⊇

2. $[(?) \bullet \odot] \bullet \left\{ \nwarrow \bullet [(\Sigma \bullet \supseteq) \bullet \Pi] \right\} = \square$

- A) (↗ • ⊙) B) (⊙ • ⊙) C) (Σ • Π)
D) (⊇ • Π) E) Π • ↗

3. $\Pi \bullet \left\{ [(\square \bullet \odot) \bullet (\supseteq \bullet \Pi)] \bullet (?) \right\} = \nwarrow$

- A) ↗ B) Π C) □ D) ⊇ E) Σ

4. $(\supseteq \bullet \nwarrow) \bullet [(\Sigma \bullet \odot) \bullet (\supseteq \bullet \Pi)] = ?$

- A) (⊙ • ↗) B) (⊇ • Π) C) (Π • ↗)
D) (⊇ • Σ) E) (↗ • Π)

5. $\left\{ \infty \nabla [(\alpha \nabla \ell) \nabla \cup] \right\} \nabla \notin = ?$

- A) α B) ∞ C) ∈ D) ℓ E) ∪

6. $(\alpha \nabla \in) \nabla [\infty \nabla (\ell \nabla \in)] = ?$

- A) (α ∇ ℓ) B) (∞ ∇ ∪) C) (ℓ ∇ ∈)
D) (∉ ∇ ∈) E) (∪ ∇ ℓ)

7. $\cup \nabla [(\ell \nabla ?) \nabla \infty] = \in$

- A) (α ∇ ∞) B) (∞ ∇ ∈) C) (ℓ ∇ ∪)
D) (ℓ ∇ ℓ) E) (∉ ∇ ∪)

8. $[(\infty \nabla \in) \nabla (?)] \nabla [(\cup \nabla \ell) \nabla \alpha] = \in$

- A) α B) ∞ C) ∈ D) ℓ E) ∪



□	≠	※	△	∨	∞	⊗
≠	△	∨	≠	∞	⊗	※
※	∨	△	⊗	※	≠	∞
△	※	∞	∨	≠	△	⊗
∨	⊗	※	∞	△	∨	≠
∞	≠	⊗	※	∨	∞	△
⊗	∞	≠	△	⊗	※	∨

△	∪	★	∩	⇔	≡	≅
∪	∩	⇔	∪	≡	≅	★
★	⇔	∩	≅	★	∪	≡
∩	★	≡	⇔	∪	∩	≅
⇔	≅	★	≡	∩	⇔	∪
≡	∪	≅	★	⇔	≡	∩
≅	≡	∪	∩	≅	★	⇔

9. $\{※ \square [(\neq \square \vee) \square \infty]\} \square \triangle = ?$

- A) ≠ B) ※ C) ∨ D) ∞ E) ⊗

10. $(\otimes \square \vee) \square [(\infty \square \neq) \square ※] = ?$

- A) (△ □ ∨) B) (※ □ △) C) (∨ □ ∨)
D) (∞ □ ≠) E) (⊗ □ ∞)

11. $(\triangle \square \infty) \square [?\square (※ \square \otimes)] = \vee$

- A) ※ B) ∨ C) △ D) ∞ E) ≠

12. $\{\neq \square [(\vee \square \infty) \square ?]\} \square \triangle = \otimes$

- A) (∨ □ ※) B) (△ □ △) C) (※ □ ∞)
D) (∞ □ △) E) (⊗ □ ≠)

13. $★ \triangle \{[(\cup \triangle \Leftrightarrow) \triangle \cong] \triangle (\equiv \triangle \cap)\} = ?$

- A) ★ B) ∩ C) ∪ D) ⇔ E) ≡

14. $(\Leftrightarrow \triangle \equiv) \triangle [(\cap \triangle \cup) \triangle ★] = ?$

- A) (★ △ ∩) B) (≡ △ ≡) C) (≅ △ ∩)
D) (⇔ △ ∪) E) (★ △ ⇔)

15. $(\equiv \triangle \cong) \triangle [(\star \triangle \cup) \triangle (?)] = \Leftrightarrow$

- A) ⇔ B) ★ C) ∪ D) ≡ E) ∩

16. $\{\cong \triangle [(\cap \triangle \star) \triangle \equiv]\} \triangle (?) = \equiv$

- A) (∪ △ ∩) B) (∩ △ ∩) C) (⇔ △ ∩)
D) (≅ △ ∪) E) (★ △ ★)

Cevap Anahtarı – Answer Sheet

1.C	2.A	3.D	4.C	5.B	6.D	7.D	8.A
9.A	10.B	11.C	12.C	13.C	14.B	15.A	16.D



□	#	β	α	↗	↘	∪
#	α	↗	#	↘	∪	β
β	↗	α	∪	β	#	↘
α	β	↘	↗	#	↗	∪
↗	∪	β	↘	α	↗	#
↘	#	∪	β	↗	↘	α
∪	↘	#	α	∪	β	↗

⊙	ℓ	≠	*	♥	●	⊠
ℓ	*	♥	ℓ	●	⊠	≠
≠	♥	*	⊠	≠	ℓ	●
*	≠	●	♥	ℓ	*	⊠
♥	⊠	≠	●	*	♥	ℓ
●	ℓ	⊠	≠	♥	●	*
⊠	●	ℓ	*	⊠	≠	♥

1. $[\# \square (\nearrow \square \beta)] \square [\searrow \square (\cup \square \alpha)] = ?$

- A) α B) β C) # D) ↗ E) ∪

5. $[(\neq \odot \ell) \odot \heartsuit] \odot [(\boxtimes \odot \bullet)] = ?$

- A) ℓ B) ≠ C) * D) ● E) ⊠

2. $\left\{ \beta \square [(\alpha \square \nearrow) \square \searrow] \right\} \square \cup = ?$

- A) (β □ α) B) (α □ α) C) (↗ □ ↗)
D) (↘ □ α) E) (∪ □ β)

6. $* \odot [(\boxtimes \odot \neq) \odot (\heartsuit \odot \bullet)] = ?$

- A) (ℓ ⊙ ≠) B) (♥ ⊙ *) C) (♥ ⊙ ♥)
D) (● ⊙ *) E) (≠ ⊙ ●)

3. $(\# \square \#) \square [(\nearrow \square \alpha) \square (?)] = \beta$

- A) # B) β C) α D) ↗ E) ↘

7. $[(\heartsuit \odot ?)] \odot * \odot [(\ell \odot \boxtimes) \odot \bullet] = \neq$

- A) * B) ≠ C) ♥ D) ⊠ E) ℓ

4. $[(\searrow \square \cup) \square \beta] \square [(\# \square \alpha) \square ?] = \searrow$

- A) (β □ α) B) (α □ ↘) C) (∪ □ β)
D) (# □ α) E) (# □ β)

8. $[(\bullet \odot \ell) \odot (?)] \odot [(\heartsuit \odot *)] = \boxtimes$

- A) (≠ ⊙ *) B) (* ⊙ *) C) (♥ ⊙ *)
D) (♥ ⊙ ≠) E) (⊠ ⊙ *)



▽	∅	⊗	★	⊕	●	○
∅	★	⊕	∅	●	○	⊗
⊗	⊕	★	○	⊗	∅	●
★	⊗	●	⊕	∅	★	○
⊕	○	⊗	●	★	⊕	∅
●	∅	○	⊗	⊕	●	★
○	●	∅	★	○	⊗	⊕

▲	☑	⊗	⋈	⊗	∅	⊕
☑	⋈	⊗	☑	∅	⊕	⊗
⊗	⊗	⋈	⊕	⊗	☑	∅
⋈	⊗	∅	⊗	☑	⋈	⊕
⊗	⊕	⊗	∅	⋈	⊗	☑
∅	☑	⊕	⊗	⊗	∅	⋈
⊕	∅	☑	⋈	⊕	⊗	⊗

9. $[(\otimes \nabla \emptyset) \nabla \star] \nabla (\bullet \nabla \circ) = ?$

- A) $\emptyset$ B) $\star$ C) $\bullet$ D) $\oplus$ E) $\otimes$

10. $\star \nabla [(\emptyset \nabla \bullet) \nabla (\star \nabla \circ)] = ?$

- A) $(\otimes \nabla \emptyset)$ B) $(\star \nabla \oplus)$ C) $(\otimes \nabla \star)$
D) $(\circ \nabla \circ)$ E) $(\star \nabla \otimes)$

11. $(\star \nabla \oplus) \nabla [(?) \nabla (\circ \nabla \bullet)] = \emptyset$

- A) $(\star \nabla \oplus)$ B) $(\otimes \nabla \bullet)$ C) $(\otimes \nabla \oplus)$
D) $(\oplus \nabla \star)$ E) $(\bullet \nabla \circ)$

12. $[(\oplus \nabla (?)) \nabla [(\oplus \nabla \bullet) \nabla \otimes]] = \circ$

- A) $\star$ B) $\otimes$ C) $\bullet$ D) $\circ$ E) $\emptyset$

13. $[(\boxtimes \blacktriangle \blacktriangle) \blacktriangle (?)] \blacktriangle [(\boxtimes \nabla \emptyset) \blacktriangle \oplus] = \blacktriangle$

- A) $\otimes$ B) $\boxtimes$ C) $\oplus$ D) $\boxtimes$ E) $\emptyset$

14. $[(\boxtimes \blacktriangle \otimes) \blacktriangle \emptyset] \blacktriangle [(\blacktriangle \blacktriangle \boxtimes) \blacktriangle \oplus] = ?$

- A) $(\blacktriangle \blacktriangle \emptyset)$ B) $(\otimes \blacktriangle \oplus)$ C) $(\boxtimes \blacktriangle \boxtimes)$
D) $(\emptyset \blacktriangle \blacktriangle)$ E) $(\oplus \blacktriangle \boxtimes)$

15. $\left\{ \emptyset \blacktriangle [(\oplus \blacktriangle \otimes) \blacktriangle \boxtimes] \right\} \blacktriangle (\boxtimes \blacktriangle ?) = \boxtimes$

- A) $\blacktriangle$ B) $\emptyset$ C) $\boxtimes$ D) $\otimes$ E) $\boxtimes$

16. $[(\blacktriangle \blacktriangle \otimes) \blacktriangle \boxtimes] \blacktriangle [(\emptyset \blacktriangle \oplus)] = ?$

- A) $(\boxtimes \blacktriangle \boxtimes)$ B) $(\blacktriangle \blacktriangle \otimes)$ C) $(\emptyset \blacktriangle \blacktriangle)$
D) $(\oplus \blacktriangle \boxtimes)$ E) $(\oplus \blacktriangle \otimes)$

Cevap Anahtarı – Answer Sheet

1.A	2.C	3.A	4.B	5.D	6.C	7.C	8.E
9.E	10.B	11.C	12.A	13.C	14.D	15.B	16.A



•	A	B	C	D	E	F
A	D	F	A	B	C	E
B	B	E	D	A	F	C
C	F	D	E	C	A	B
D	C	A	B	F	E	D
E	E	C	F	D	B	A
F	A	B	C	E	D	F

△	1	3	5	7	9	0
1	5	7	3	9	0	1
3	0	1	9	5	3	7
5	3	0	7	1	5	9
7	1	5	0	7	9	3
9	7	9	5	3	1	0
0	9	3	1	0	7	5

1. $(A \bullet C) \bullet [(B \bullet F) \bullet E] = ?$

- A) A B) B C) C D) D E) E

5. $\{(1 \triangle 5) \triangle [3 \triangle (7 \triangle 0)]\} \triangle 9 = ?$

- A) $(3 \triangle 1)$ B) $(5 \triangle 5)$ C) $(7 \triangle 9)$
D) $(0 \triangle 1)$ E) $(3 \triangle 7)$

2. $[(A \bullet C) \bullet (D \bullet B)] \bullet [D \bullet (E \bullet F)] = ?$

- A) $(C \bullet C)$ B) $(D \bullet C)$ C) $(E \bullet B)$
D) $(C \bullet E)$ E) $(A \bullet F)$

6. $0 \triangle [(1 \triangle 7) \triangle (3 \triangle 9)] = ?$

- A) 1 B) 3 C) 5 D) 7 E) 9

3. $\{C \bullet [(D \bullet B) \bullet A]\} \bullet (?) = E$

- A) C B) B C) D D) E E) F

7. $(1 \triangle 3) \triangle [(?) \triangle (5 \triangle 9)] = 7$

- A) $(3 \triangle 5)$ B) $(7 \triangle 5)$ C) $(5 \triangle 9)$
D) $(5 \triangle 7)$ E) $(5 \triangle 5)$

4. $(A \bullet B) \bullet \{[D \bullet (C \bullet F)] \bullet (?)\} = A$

- A) $(B \bullet A)$ B) $(C \bullet D)$ C) $(B \bullet B)$
D) $(D \bullet D)$ E) $(C \bullet F)$

8. $[(?) \triangle (0 \triangle 1)] \triangle [(9 \triangle 3) \triangle 7] = 1$

- A) 1 B) 3 C) 7 D) 5 E) 9



$\oplus$	$\neq$	ℓ	$\#$	$\times$	$\nearrow$	α
$\neq$	$\#$	$\times$	$\neq$	$\nearrow$	α	ℓ
ℓ	$\times$	$\#$	α	ℓ	$\neq$	$\nearrow$
$\#$	ℓ	$\nearrow$	$\#$	$\neq$	$\#$	α
$\times$	α	ℓ	$\nearrow$	$\#$	$\#$	$\neq$
$\nearrow$	$\neq$	α	ℓ	$\times$	$\nearrow$	$\#$
α	$\nearrow$	$\neq$	$\#$	α	ℓ	$\times$

$\heartsuit$	∞	$\star$	$\leq$	$\Rightarrow$	$\odot$	$\square$
∞	$\leq$	$\Rightarrow$	∞	$\odot$	$\square$	$\star$
$\star$	$\Rightarrow$	$\leq$	$\square$	$\star$	∞	$\odot$
$\leq$	$\star$	$\odot$	$\Rightarrow$	∞	$\leq$	$\square$
$\Rightarrow$	$\square$	$\star$	$\odot$	$\leq$	$\Rightarrow$	∞
$\odot$	∞	$\square$	$\star$	$\Rightarrow$	$\odot$	$\leq$
$\square$	$\odot$	∞	$\leq$	$\square$	$\star$	$\Rightarrow$

9. $[?] \oplus (\ell \oplus \#) \oplus \nearrow = \neq$

- A) ℓ B) $\#$ C) $\neq$ D) $\nearrow$ E) α

10. $[(\alpha \oplus \times) \oplus (?)] \oplus [(\# \oplus \neq) \oplus \ell] = \nearrow$

- A) $(\ell \oplus \#)$ B) $(\# \oplus \#)$ C) $(\nearrow \oplus \times)$
D) $(\alpha \oplus \nearrow)$ E) $(\neq \oplus \#)$

11. $\neq \oplus [(\ell \oplus \#) \oplus (\nearrow \oplus \times)] = ?$

- A) $\neq$ B) ℓ C) $\#$ D) $\times$ E) $\nearrow$

12. $(\alpha \oplus \nearrow) \oplus [(\neq \oplus \times) \oplus (\ell \oplus \#)] \oplus \# = ?$

- A) $(\ell \oplus \#)$ B) $(\times \oplus \neq)$ C) $(\nearrow \oplus \nearrow)$
D) $(\times \oplus \times)$ E) $(\# \oplus \nearrow)$

13. $\left\{ \star \heartsuit [(\odot \heartsuit \square) \heartsuit \Rightarrow] \right\} \heartsuit \leq = ?$

- A) ∞ B) $\star$ C) $\leq$ D) $\Rightarrow$ E) $\odot$

14. $[(\infty \heartsuit \odot) \heartsuit (\leq \heartsuit \Rightarrow)] \heartsuit \star = ?$

- A) $\star$ B) $\leq$ C) $\Rightarrow$ D) $\odot$ E) $\square$

15. $[(\star \heartsuit \star) \heartsuit (?)] \heartsuit [(\leq \heartsuit \infty) \heartsuit \odot] = \square$

- A) $(\star \heartsuit \leq)$ B) $(\infty \heartsuit \Rightarrow)$ C) $(\square \heartsuit \odot)$
D) $(\Rightarrow \heartsuit \leq)$ E) $(\leq \heartsuit \odot)$

16. $(?) \heartsuit (\Rightarrow \heartsuit \leq) = \infty$

- A) $(\leq \heartsuit \infty)$ B) $(\odot \heartsuit \star)$ C) $(\square \heartsuit \Rightarrow)$
D) $(\star \heartsuit \star)$ E) $(\infty \heartsuit \infty)$

Cevap Anahtarı – Answer Sheet

1.D	2.B	3.A	4.B	5.B	6.D	7.D	8.B
9.C	10.A	11.B	12.A	13.E	14.E	15.E	16.A

12. BÖLÜM

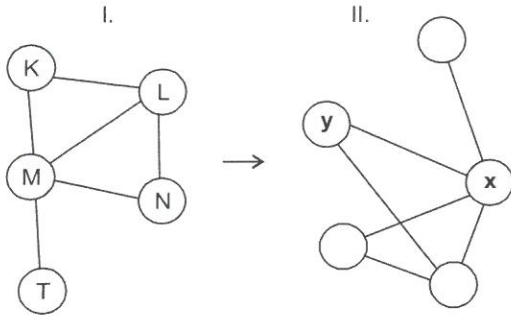
ÖRÜNTÜLER







1.

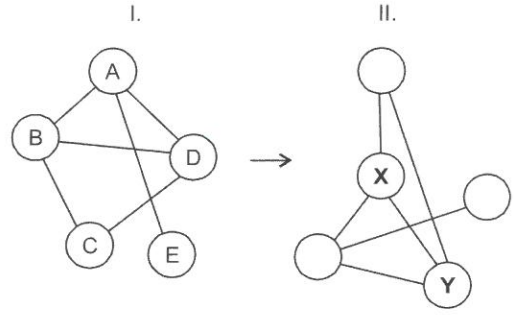


x = ?

y = ?

	x	y
A)	K	L
B)	M	N
C)	M	L
D)	T	K
E)	N	M

3.

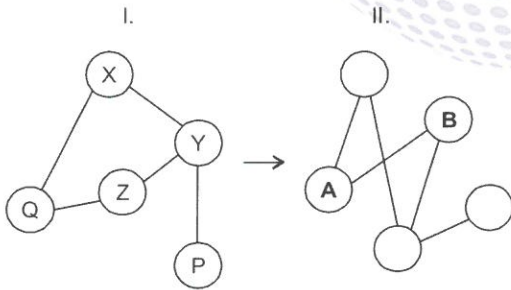


X = ?

Y = ?

	X	Y
A)	B	C
B)	D	E
C)	B	D
D)	C	D
E)	B	E

2.

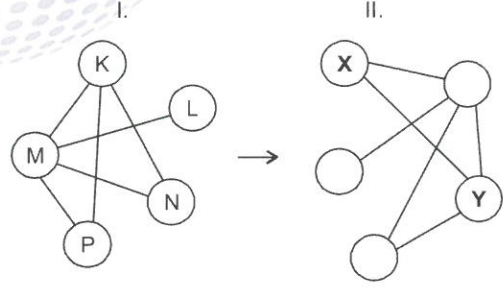


A = ?

B = ?

	A	B
A)	X	Q
B)	Z	X
C)	Y	P
D)	Q	Z
E)	X	Y

4.



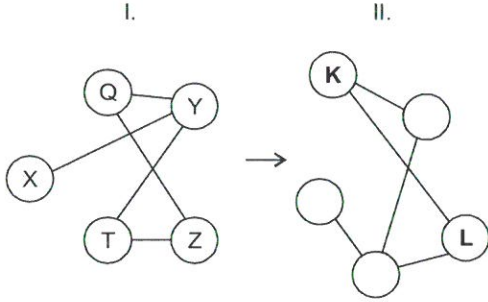
X = ?

Y = ?

	X	Y
A)	N	L
B)	N	M
C)	K	N
D)	N	K
E)	N	P



5.

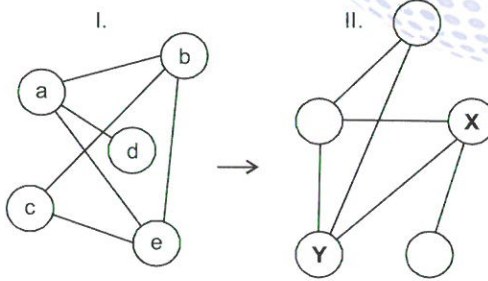


K = ?

L = ?

	K	L
A)	Z	T
B)	Z	X
C)	X	T
D)	T	Z
E)	T	Y

6.

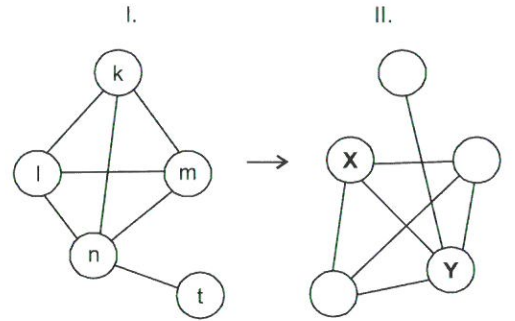


X = ?

Y = ?

	X	Y
A)	c	e
B)	a	c
C)	a	d
D)	b	a
E)	a	b

7.

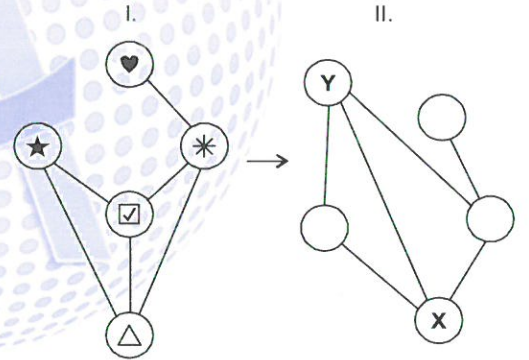


X = ?

Y = ?

	X	Y
A)	m	k
B)	l	l
C)	m	n
D)	n	t
E)	n	l

8.



X = ?

Y = ?

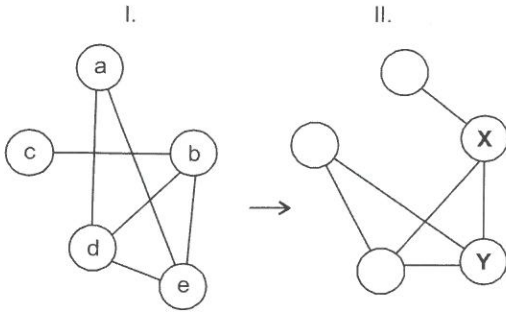
	X	Y
A)	☒	☐
B)	★	☒
C)	☐	★
D)	♥	★
E)	♥	☐

Cevap Anahtarı – Answer Sheet

1.B	2.D	3.C	4.D
5.A	6.E	7.C	8.A



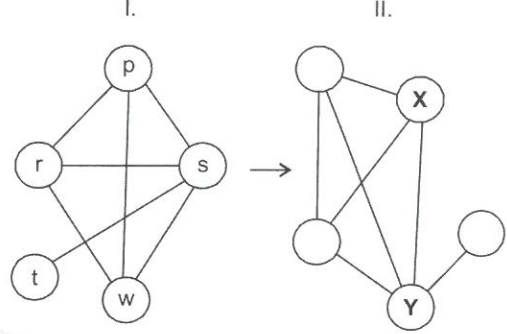
1.



X=? Y=?

	X	Y
A)	a	b
B)	b	c
C)	b	a
D)	e	d
E)	b	e

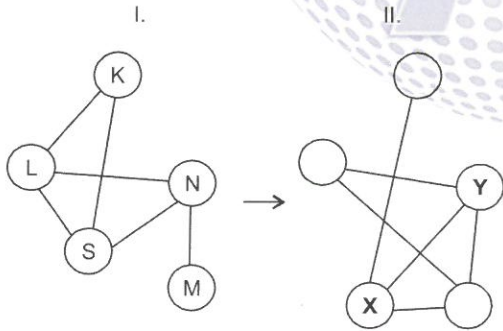
3.



X=? Y=?

	X	Y
A)	w	t
B)	w	s
C)	s	p
D)	s	r
E)	r	t

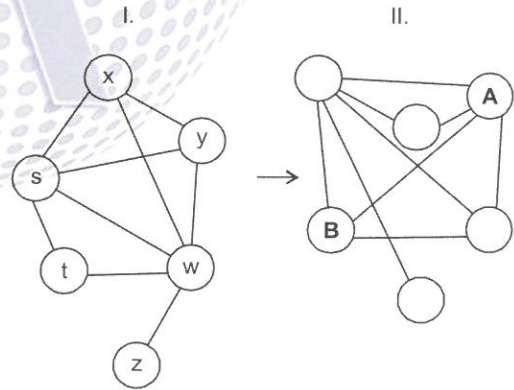
2.



X=? Y=?

	X	Y
A)	S	M
B)	N	S
C)	N	K
D)	K	L
E)	M	N

4.

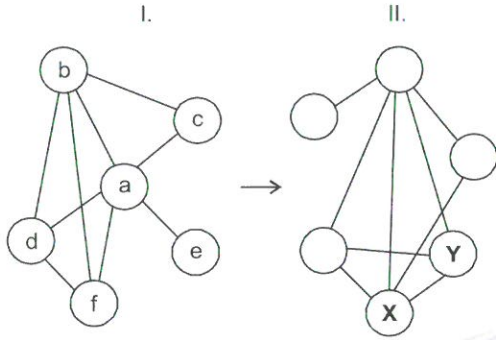


A=? B=?

	A	B
A)	w	x
B)	y	z
C)	s	y
D)	z	t
E)	t	s



5.

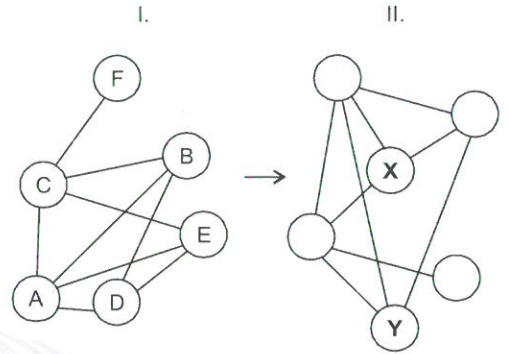


X = ?

Y = ?

	X	Y
A)	b	f
B)	d	e
C)	f	a
D)	f	d
E)	f	c

7.

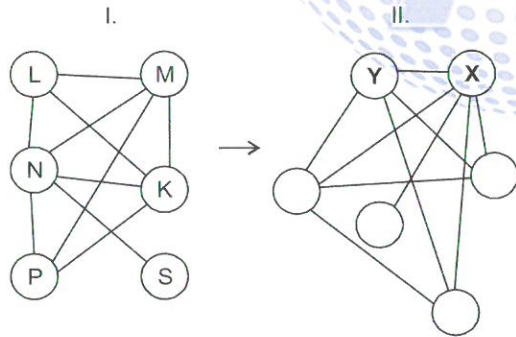


X = ?

Y = ?

	X	Y
A)	A	C
B)	D	B
C)	E	F
D)	F	A
E)	E	B

6.

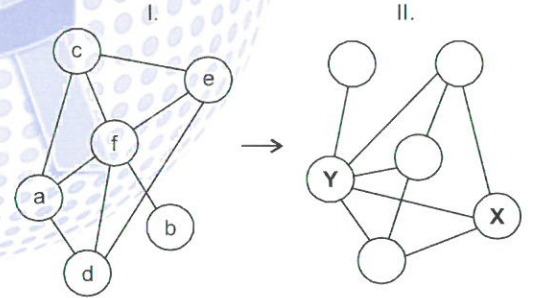


X = ?

Y = ?

	X	Y
A)	M	S
B)	L	P
C)	K	N
D)	N	K
E)	P	M

8.



X = ?

Y = ?

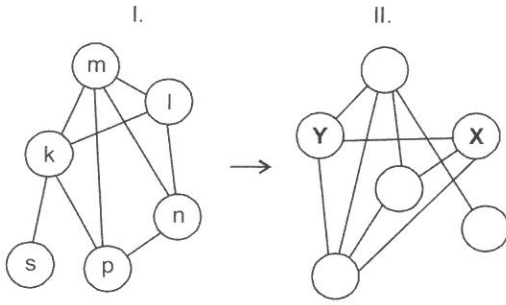
	X	Y
A)	b	d
B)	c	e
C)	a	f
D)	d	c
E)	e	b

Cevap Anahtarı – Answer Sheet

1.E	2.B	3.B	4.C
5.A	6.D	7.E	8.C



1.

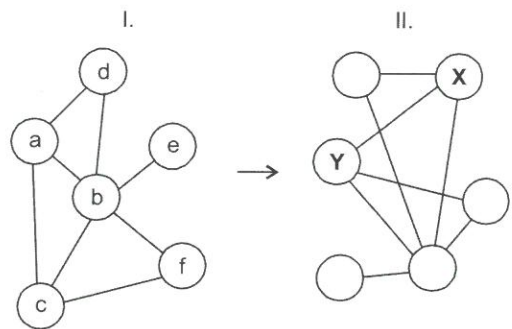


X = ?

Y = ?

	X	Y
A)	n	p
B)	n	m
C)	l	k
D)	m	s
E)	k	p

3.

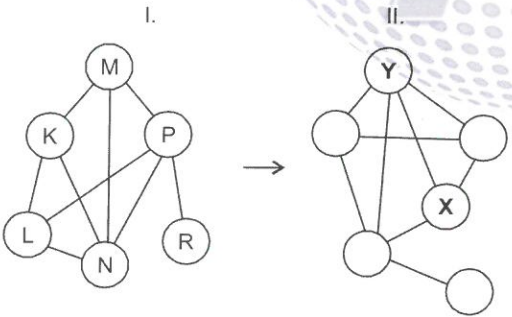


X = ?

Y = ?

	X	Y
A)	b	d
B)	a	c
C)	e	d
D)	a	f
E)	d	e

2.

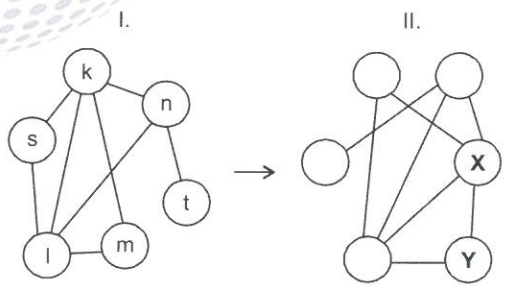


X = ?

Y = ?

	X	Y
A)	K	M
B)	L	P
C)	L	N
D)	M	L
E)	P	R

4.



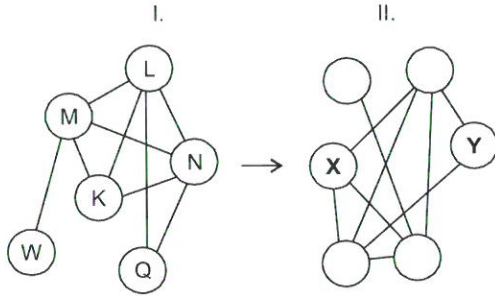
X = ?

Y = ?

	X	Y
A)	k	l
B)	m	n
C)	k	s
D)	m	t
E)	l	n



5.

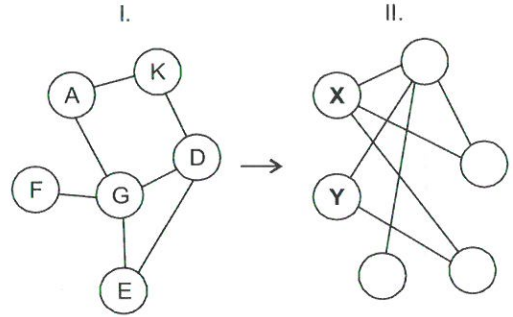


X = ?

Y = ?

	X	Y
A)	K	W
B)	M	L
C)	K	N
D)	W	M
E)	K	Q

7.

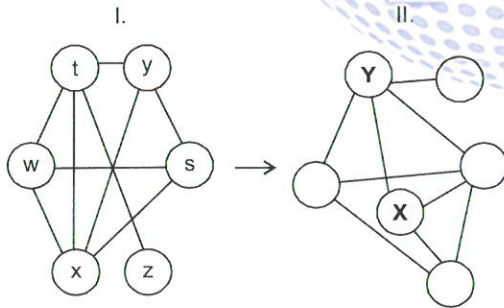


X = ?

Y = ?

	X	Y
A)	F	E
B)	D	A
C)	G	K
D)	K	G
E)	E	D

6.

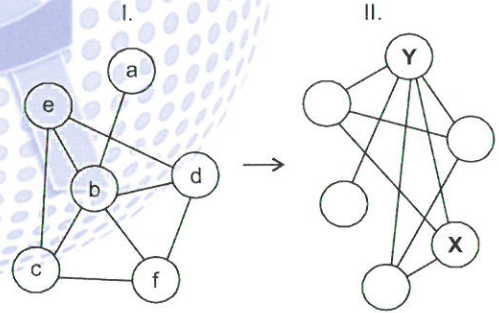


X = ?

Y = ?

	X	Y
A)	y	x
B)	w	t
C)	z	y
D)	s	t
E)	z	t

8.



X = ?

Y = ?

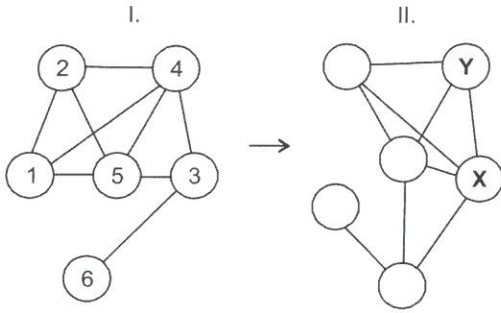
	X	Y
A)	f	b
B)	d	a
C)	c	f
D)	b	a
E)	a	c

Cevap Anahtarı - Answer Sheet

1.A	2.C	3.B	4.C
5.E	6.B	7.B	8.A



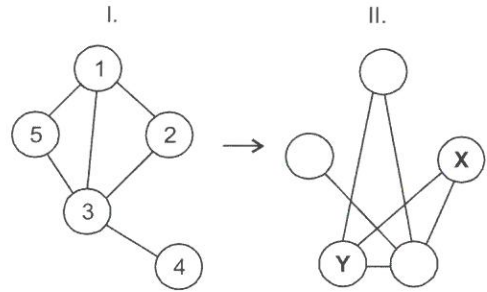
1.



X = ? Y = ?

	X	Y
A)	5	3
B)	4	3
C)	5	1
D)	6	1
E)	2	5

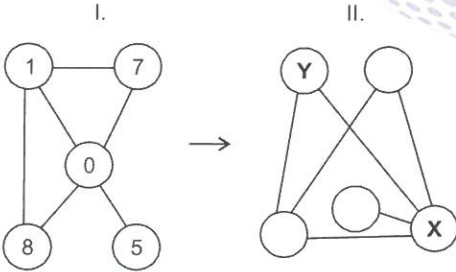
3.



X = ? Y = ?

	X	Y
A)	4	1
B)	5	1
C)	1	5
D)	5	4
E)	2	5

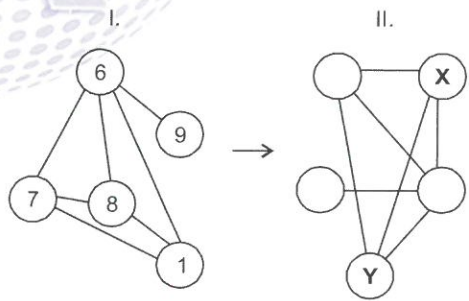
2.



X = ? Y = ?

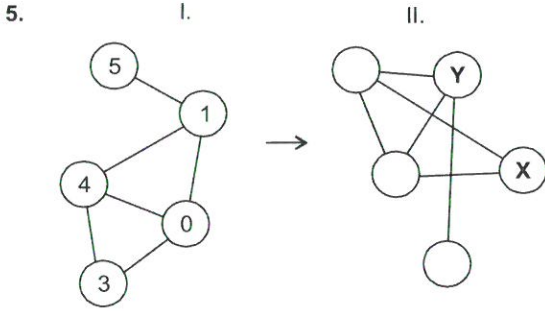
	X	Y
A)	0	1
B)	0	7
C)	8	5
D)	0	8
E)	1	5

4.

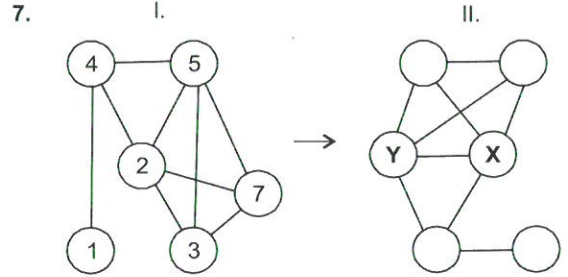


X = ? Y = ?

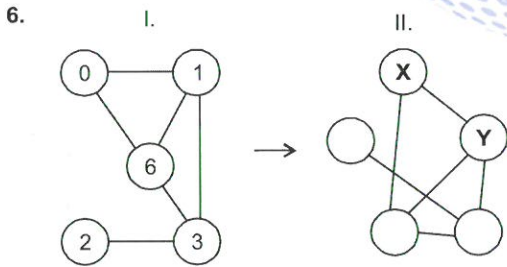
	X	Y
A)	1	9
B)	7	6
C)	7	8
D)	9	1
E)	6	7



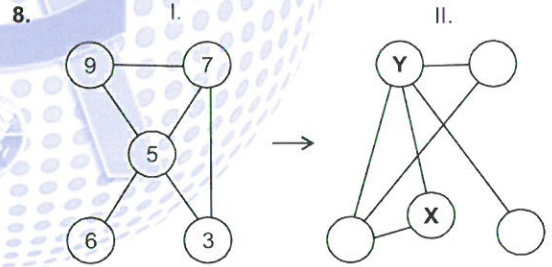
X=?	Y=?
X	Y
A) 3	1
B) 4	1
C) 5	3
D) 1	4
E) 5	0



X=?	Y=?
X	Y
A) 7	3
B) 2	5
C) 5	4
D) 1	7
E) 3	1



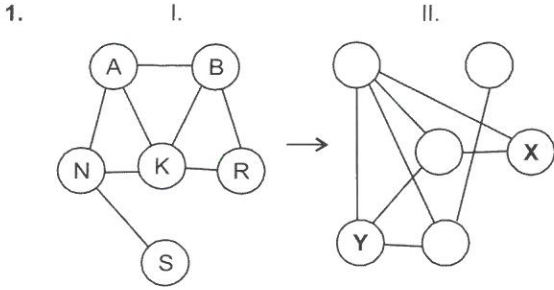
X=?	Y=?
X	Y
A) 1	2
B) 3	0
C) 0	2
D) 0	6
E) 6	3



X=?	Y=?
X	Y
A) 6	7
B) 7	5
C) 3	5
D) 7	3
E) 9	7

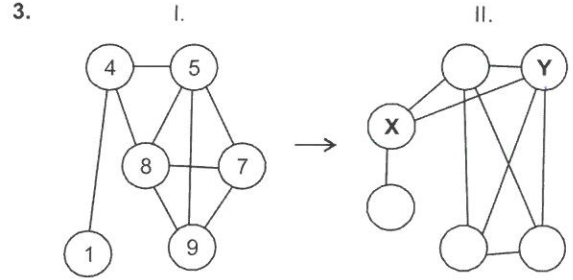
Cevap Anahtarı - Answer Sheet

1.C	2.D	3.B	4.C
5.A	6.D	7.B	8.C



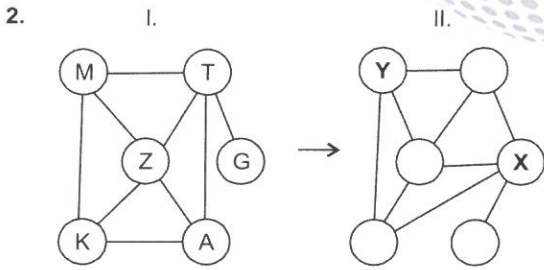
X = ? Y = ?

	X	Y
A)	A	N
B)	S	K
C)	B	R
D)	R	A
E)	S	N



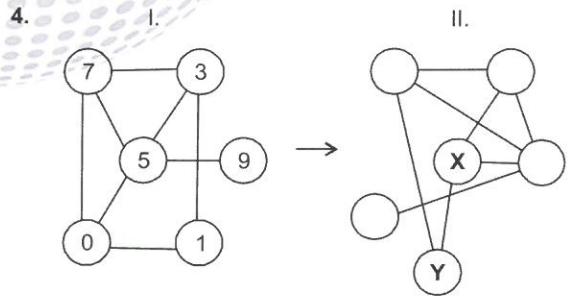
X = ? Y = ?

	X	Y
A)	1	5
B)	7	9
C)	5	7
D)	4	8
E)	9	1



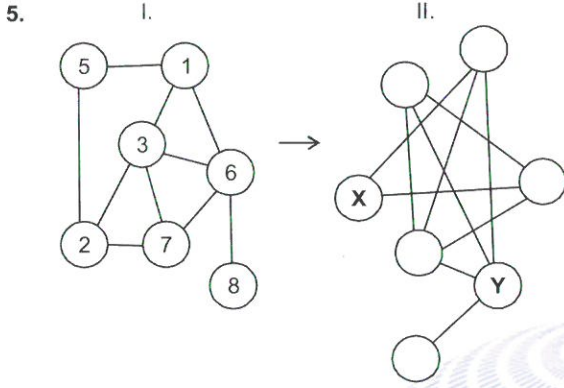
X = ? Y = ?

	X	Y
A)	M	Z
B)	G	K
C)	T	K
D)	T	G
E)	K	T



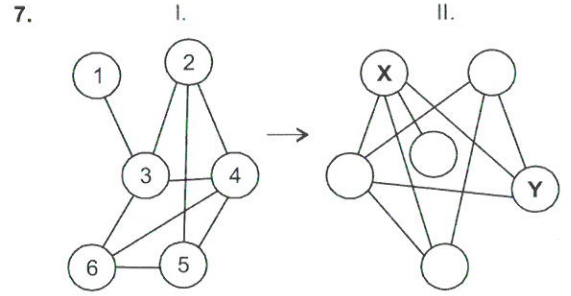
X = ? Y = ?

	X	Y
A)	9	1
B)	3	1
C)	0	7
D)	5	1
E)	1	9



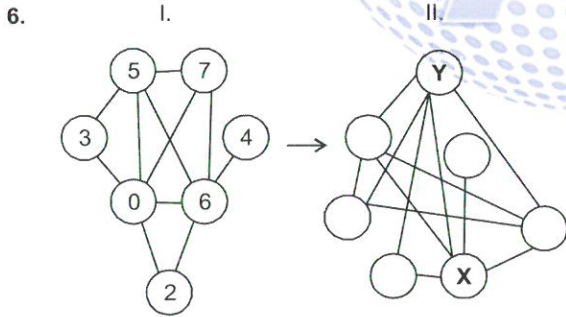
X = ? Y = ?

	X	Y
A)	5	6
B)	8	6
C)	3	6
D)	5	6
E)	2	3



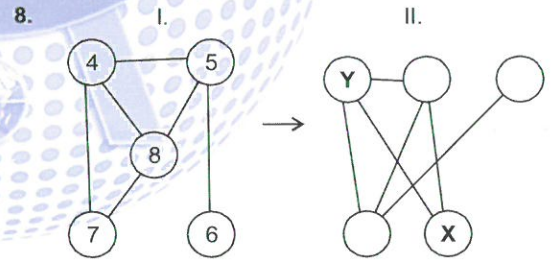
X = ? Y = ?

	X	Y
A)	3	5
B)	3	6
C)	3	4
D)	1	3
E)	2	6



X = ? Y = ?

	X	Y
A)	2	7
B)	3	4
C)	6	0
D)	5	2
E)	4	6

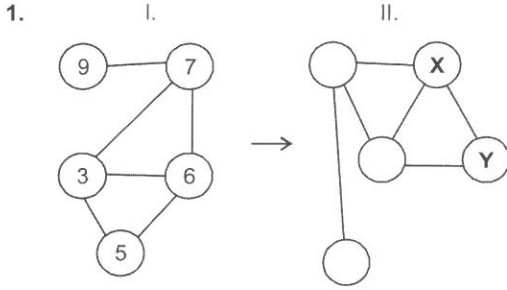


X = ? Y = ?

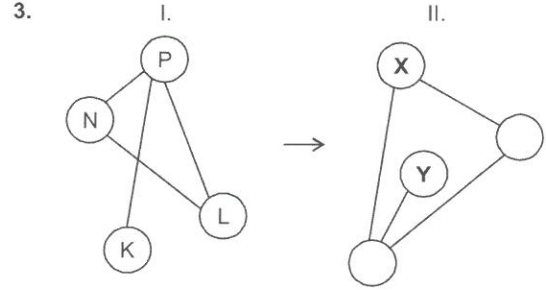
	X	Y
A)	7	5
B)	4	5
C)	5	6
D)	6	8
E)	7	4

Cevap Anahtarı – Answer Sheet

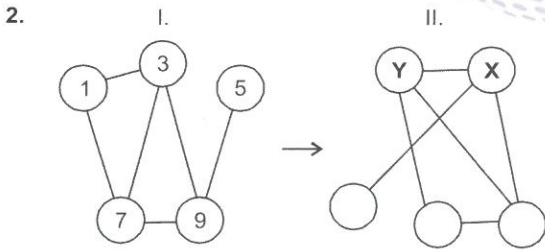
1.D	2.C	3.D	4.B
5.A	6.C	7.B	8.E



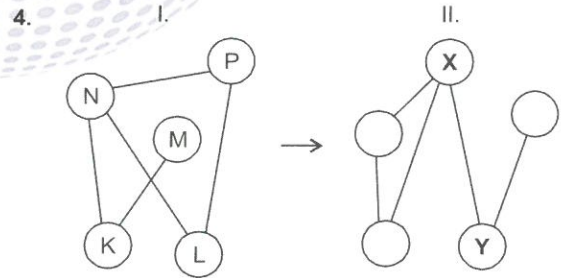
X=?	Y=?
X	Y
A) 9	7
B) 3	5
C) 5	6
D) 7	5
E) 7	9



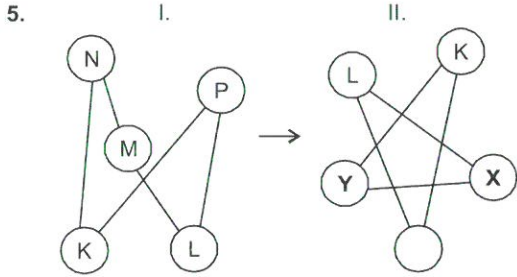
X=?	Y=?
X	Y
A) K	N
B) K	N
C) N	P
D) N	K
E) P	K



X=?	Y=?
X	Y
A) 1	5
B) 7	9
C) 9	3
D) 5	1
E) 1	7

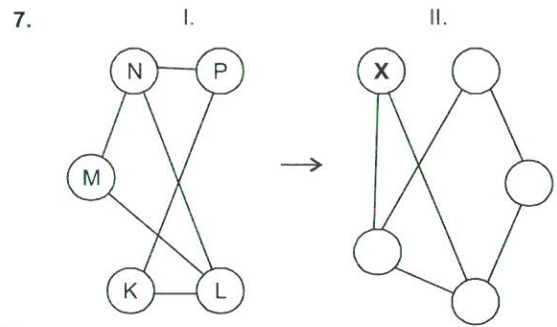


X=?	Y=?
X	Y
A) K	M
B) M	L
C) P	N
D) N	K
E) L	P



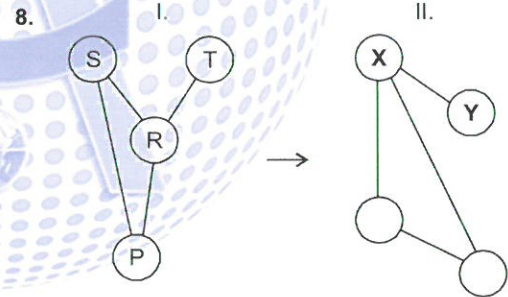
X = ? Y = ?

	X	Y
A)	M	P
B)	P	M
C)	P	N
D)	N	M
E)	M	N



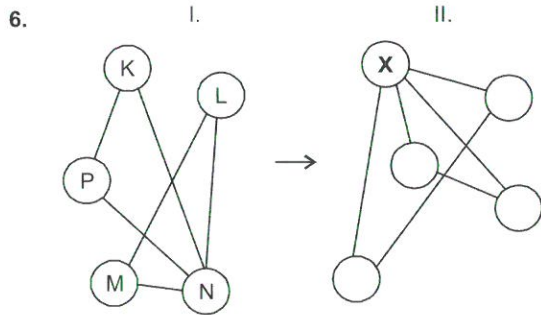
X = ?

A) K B) L C) M D) N E) P



X = ? Y = ?

	X	Y
A)	S	P
B)	S	T
C)	R	P
D)	T	S
E)	R	T



X = ?

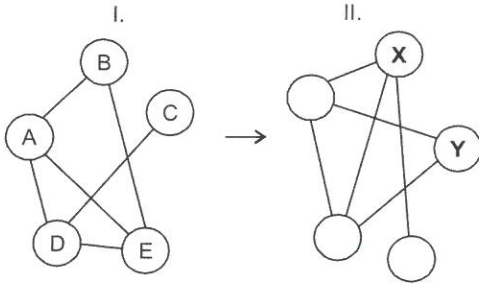
A) P B) N C) M D) L E) K

Cevap Anahtarı - Answer Sheet

1.B	2.C	3.D	4.D
5.B	6.B	7.C	8.E

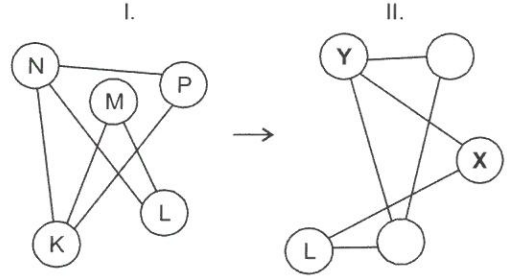


1.



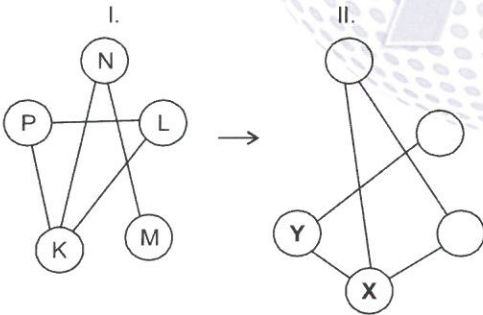
X=?	Y=?
X	Y
A) D	A
B) D	B
C) D	E
D) A	D
E) A	C

3.



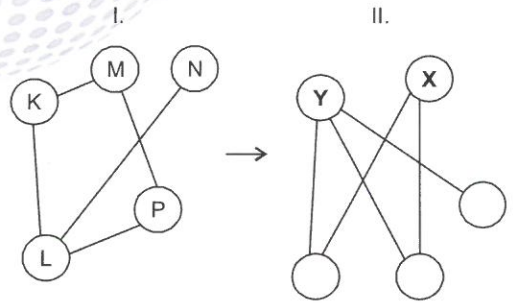
X=?	Y=?
X	Y
A) K	P
B) P	K
C) K	N
D) M	K
E) P	N

2.



X=?	Y=?
X	Y
A) P	N
B) N	K
C) K	N
D) N	M
E) K	L

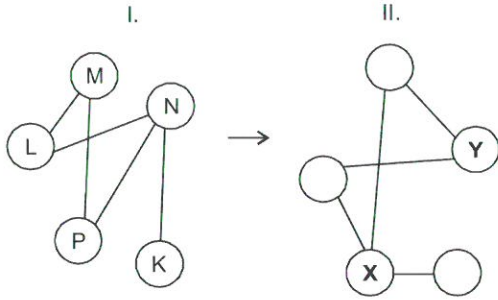
4.



X=?	Y=?
X	Y
A) M	N
B) M	L
C) P	L
D) N	L
E) L	N

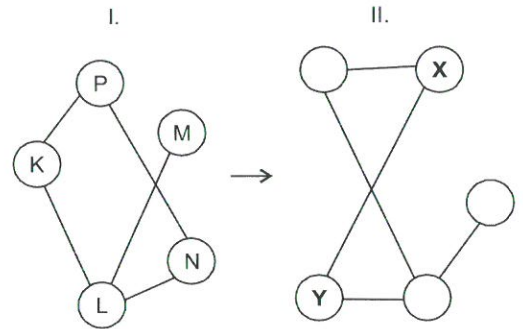


5.

**X = ?****Y = ?**

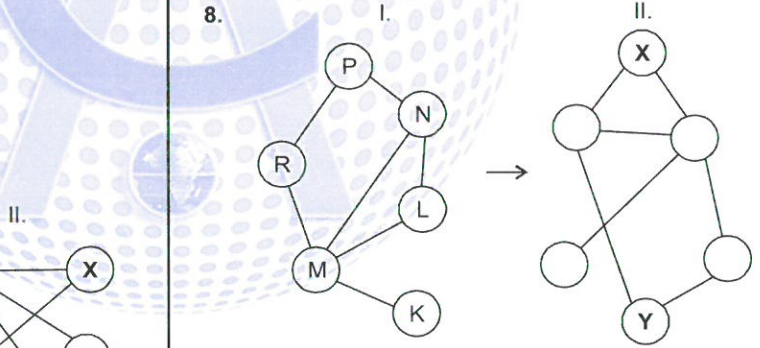
	X	Y
A)	N	P
B)	P	L
C)	N	M
D)	L	M
E)	K	P

7.

**X = ?****Y = ?**

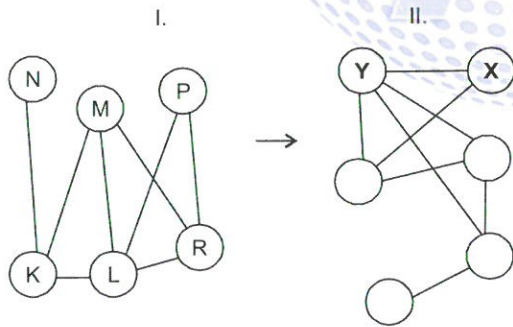
	X	Y
A)	P	M
B)	L	K
C)	L	M
D)	P	K
E)	P	L

8.

**X = ?****Y = ?**

	X	Y
A)	L	N
B)	N	R
C)	L	P
D)	K	P
E)	P	L

6.

**X = ?****Y = ?**

	X	Y
A)	P	N
B)	P	K
C)	P	L
D)	K	M
E)	N	R

Cevap Anahtarı – Answer Sheet

1.B	2.C	3.D	4.B
5.C	6.C	7.D	8.C

13. BÖLÜM

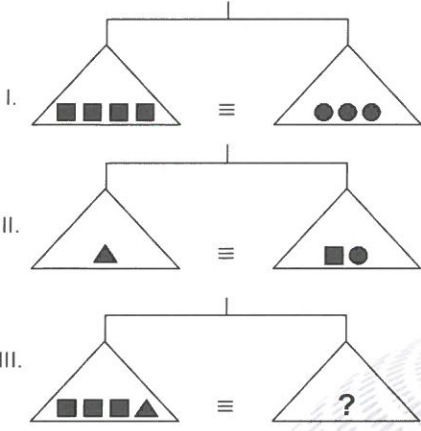
TERAZİ

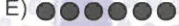




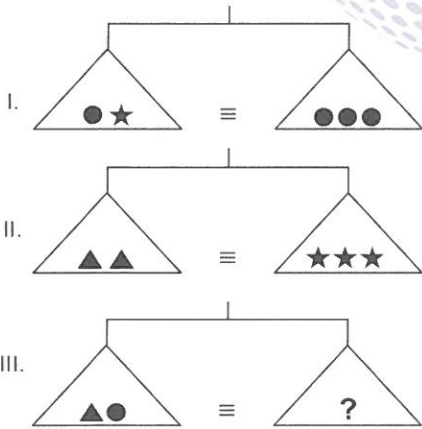


1.



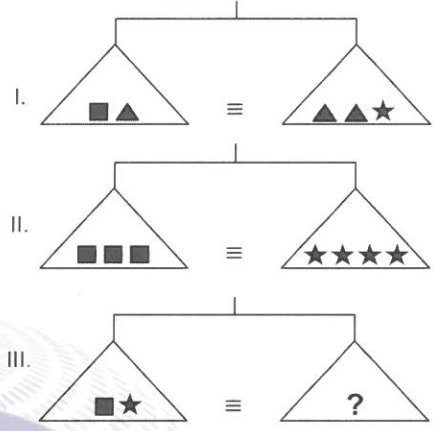
- A)  B)  C) 
D)  E) 

2.



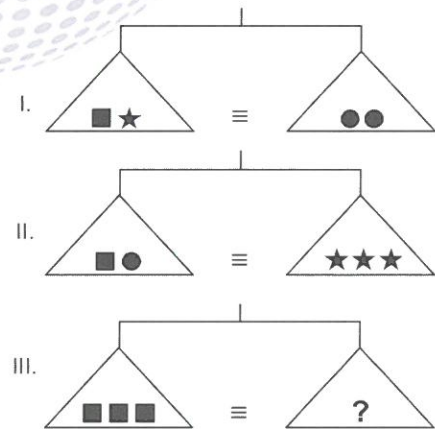
- A)  B)  C) 
D)  E) 

3.



- A)  B) 
C)  D) 
E) 

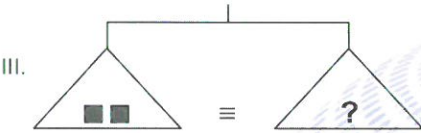
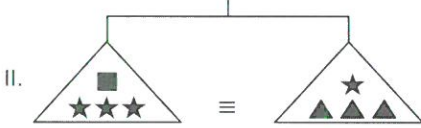
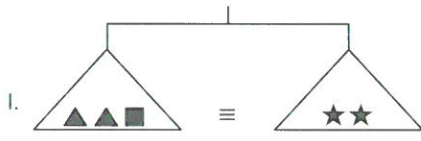
4.



- A)  B)  C) 
D)  E) 



5.



A)

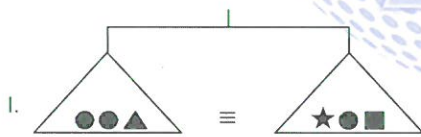
B)

C)

D)

E)

6.



A)

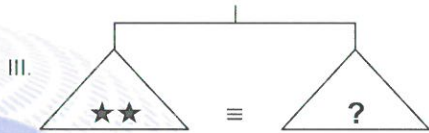
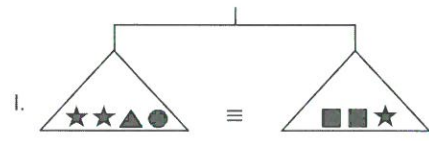
B)

C)

D)

E)

7.



A)

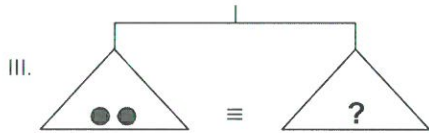
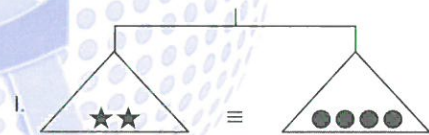
B)

C)

D)

E)

8.



A)

B)

C)

D)

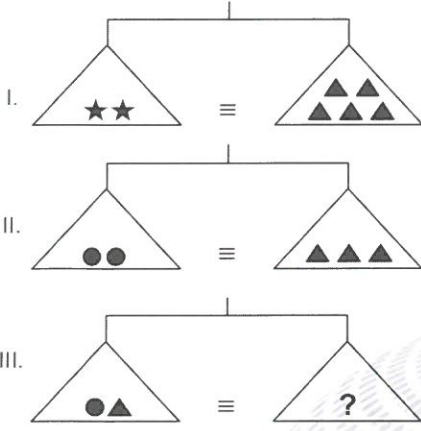
E)

Cevap Anahtarı – Answer Sheet

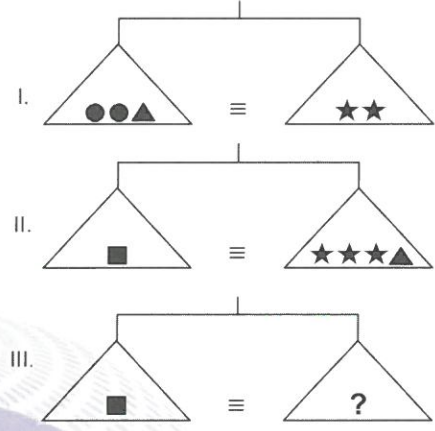
1.D	2.B	3.C	4.A
5.D	6.A	7.C	8.B



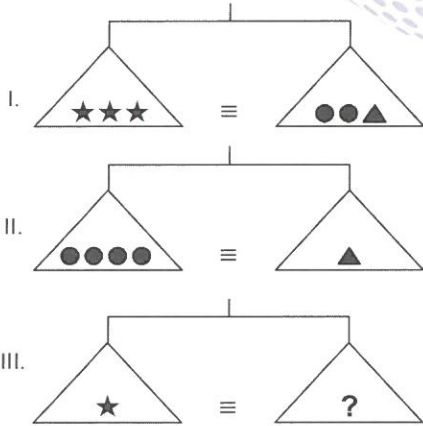
1.

A) $\triangle \star \star \star$ B) $\star \bullet$ C) $\star$ D) $\triangle \triangle \star$ E) $\star \star \bullet$

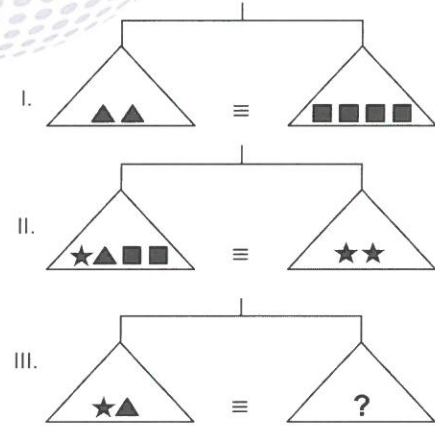
3.

A) $\bullet \bullet \triangle \triangle \star$ B) $\bullet \triangle \star$ C) $\triangle \triangle \star$ D) $\triangle \triangle \star \star$ E) $\triangle \star$

2.

A) $\triangle$ B) $\bullet \triangle$ C) $\bullet \bullet$ D) $\bullet$ E) $\bullet \bullet \bullet$

4.

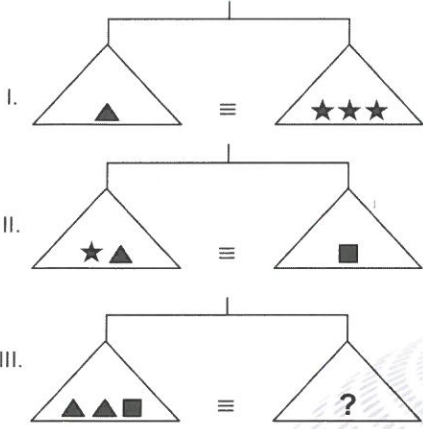
A) $\square \square \square \square \square \square$ B) $\square \square \square \star \triangle$ C) $\triangle \triangle \square$ D) $\star \triangle \triangle$ E) $\square \square \star \star$



5. I. II. III.
A) ★ B) ★★ C) ★★★
D) ★★★★★ E) ★★★★★★
6. I. II. III.
A) ▲ B) ▲▲ C) ■▲
D) ▲▲★ E) ▲▲★
7. I. II. III.
A) ● B) ●● C) ■●
D) ■■ E) ■■■■
8. I. II. III.
A) ■■ B) ■■▲ C) ■▲
D) ■■■■ E) ■■■■
- Cevap Anahtarı – Answer Sheet
- | | | | |
|-----|-----|-----|-----|
| 1.C | 2.C | 3.A | 4.A |
| 5.A | 6.A | 7.B | 8.C |



1.



A) ■■▲

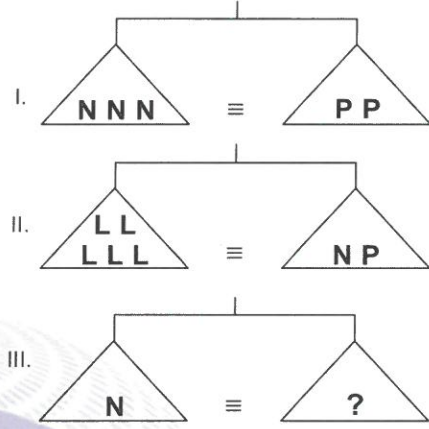
B) ★★

C) ■■

D) ■■★★

E) ■★★★★

3.



A) P

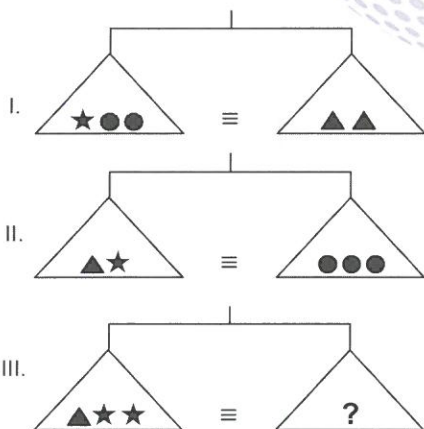
B) P P

C) L

D) L L

E) L P

2.



A) ●▲▲

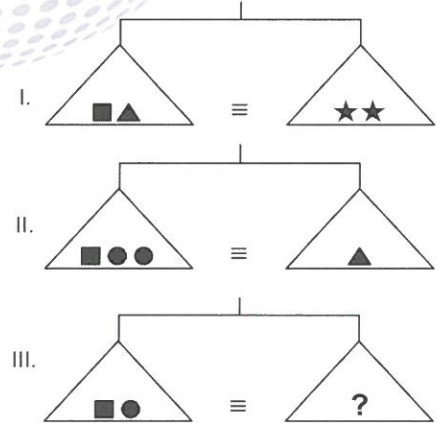
B) ●▲

C) ▲★

D) ▲▲▲

E) ●●

4.



A) ★

B) ▲

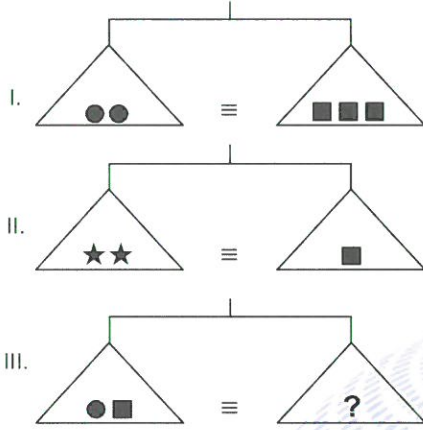
C) ★▲

D) ▲▲

E) ★▲▲



5.



A) ■■

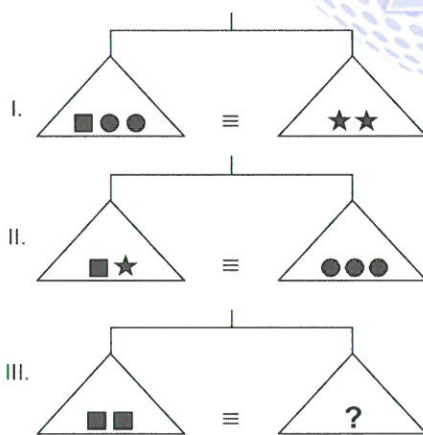
B) ★★ ■■

C) ★★ ■

D) ★★ ★ ●

E) ★★ ★ ★ ★

6.



A) ●●

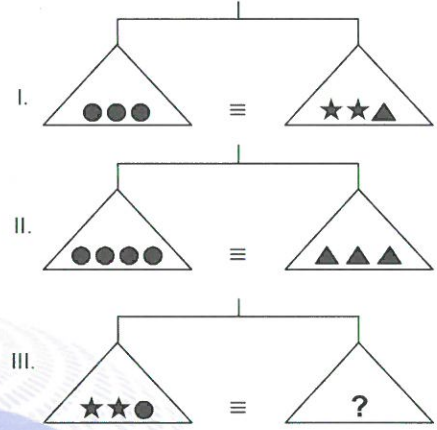
B) ●● ★

C) ● ★

D) ● ★ ★

E) ★ ★

7.



A) ●● ▲

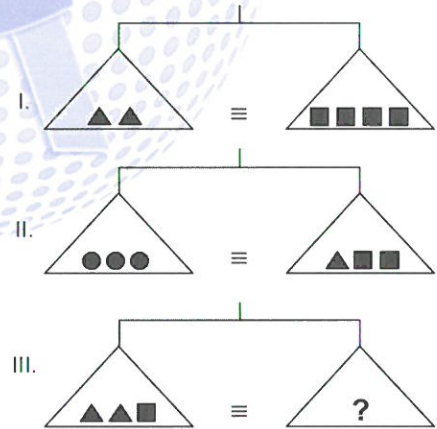
B) ▲ ▲

C) ▲ ▲ ★

D) ● ▲

E) ● ▲ ★

8.



A) ■●●

B) ■●● ▲

C) ■●●●●

D) ■■ ▲

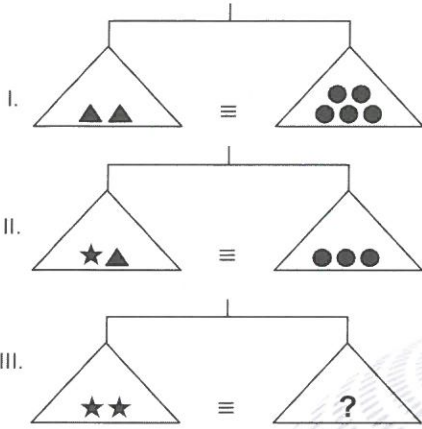
E) ■ ●

Cevap Anahtarı – Answer Sheet

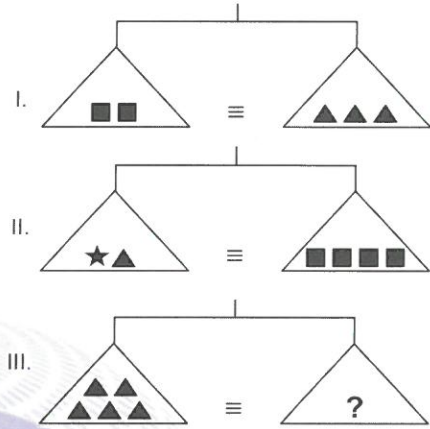
1.D	2.A	3.D	4.A
5.E	6.C	7.B	8.C



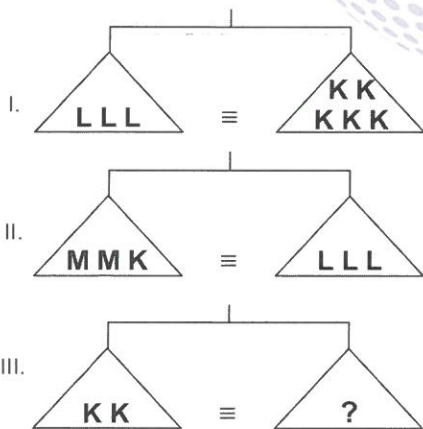
1.

A) B) C)   D)  E)   

3.

A) B)  C) D)  E)  

2.



A) L

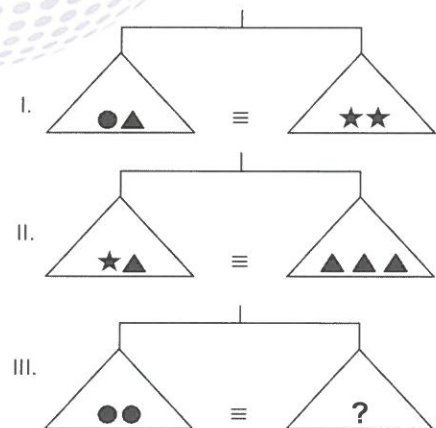
B) M

C) M L

D) M M

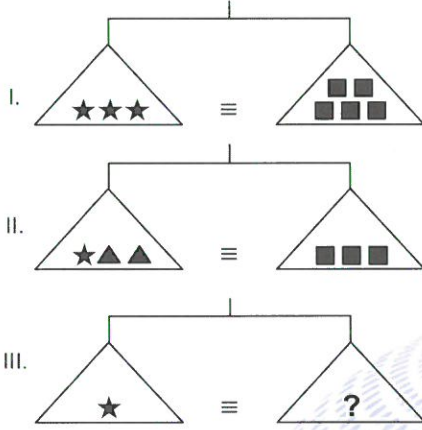
E) M M L

4.

A)  B)  C)  D)    E)   



5.



A) □□

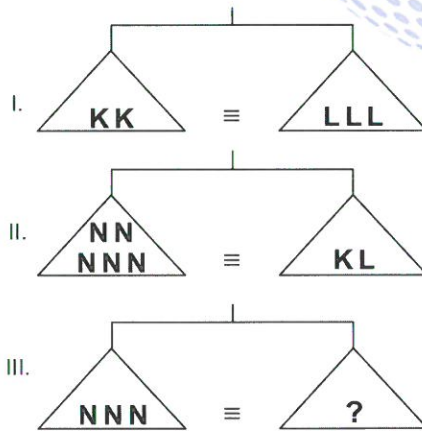
B) □▲

C) ▲▲

D) ▲▲▲

E) □▲▲

6.



A) L

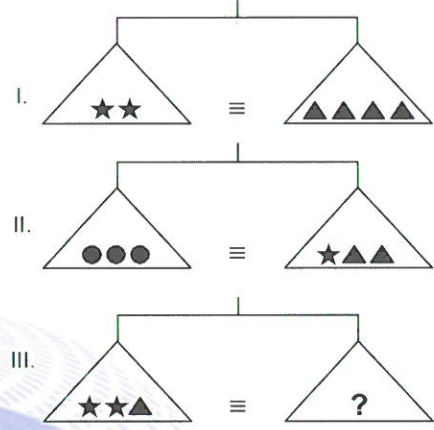
B) K

C) KL

D) LL

E) KK

7.



A) ★▲●

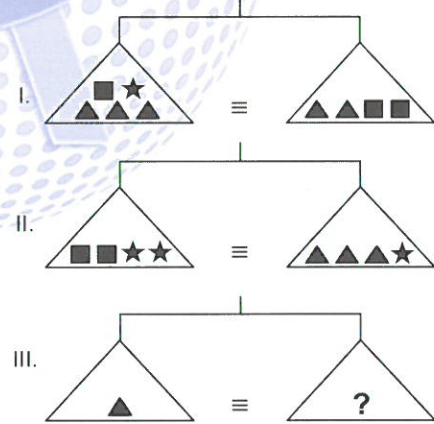
B) ▲▲★

C) ▲●●

D) ▲●●●

E) ▲●●★

8.



A) □□

B) ★★

C) ★★★★★

D) □★

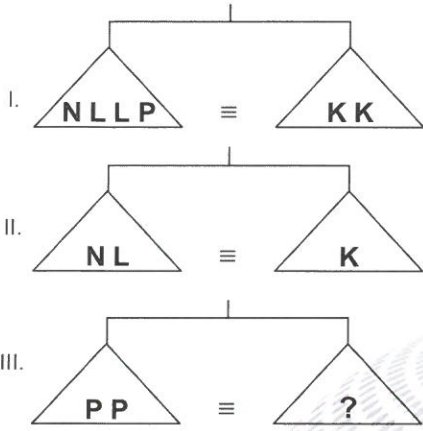
E) ★★★★★

Cevap Anahtarı – Answer Sheet

1.B	2.B	3.C	4.D
5.B	6.B	7.D	8.C



1.



A) N

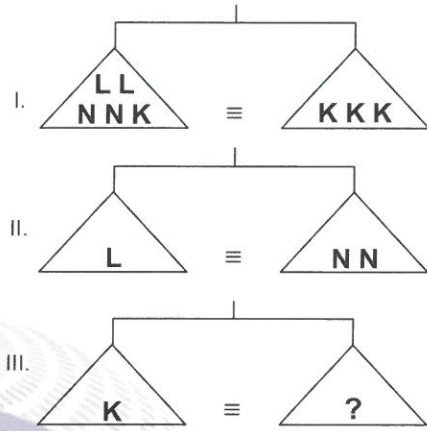
B) NN

C) LLL

D) KK

E) KKLL

3.



A) NN

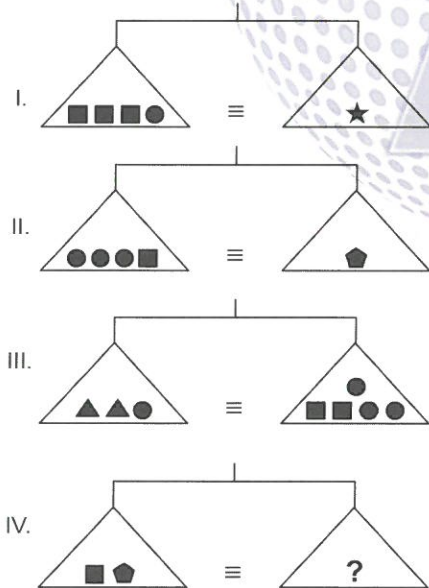
B) LL

C) NLL

D) NL

E) LLNN

2.



A) ■■■■

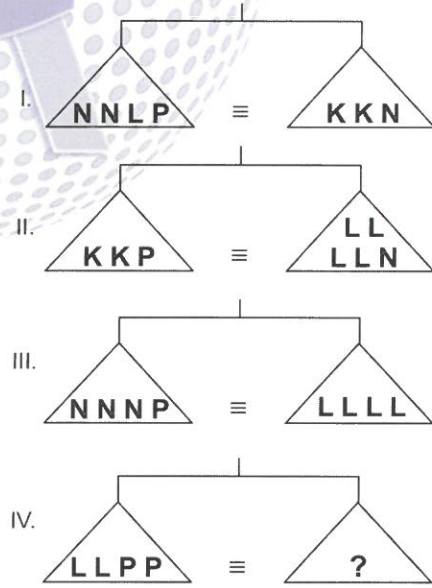
B) ●▲▲

C) ▲▲

D) ▲▲▲

E) ▲▲▲▲

4.



A) LLLL

B) KKKK

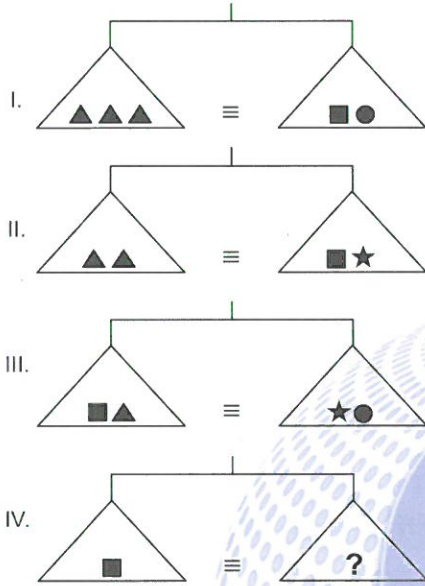
C) NNNN

D) LLLKKK

E) NNNNNN



5.



A) ★★ ★

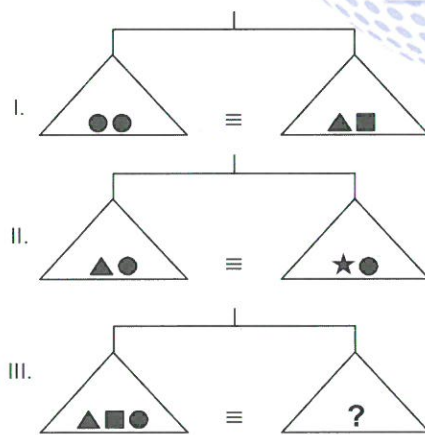
B) ★★

C) ▲ ▲

D) ● ▲

E) ● ●

6.



A) ● ● ▲ ▲

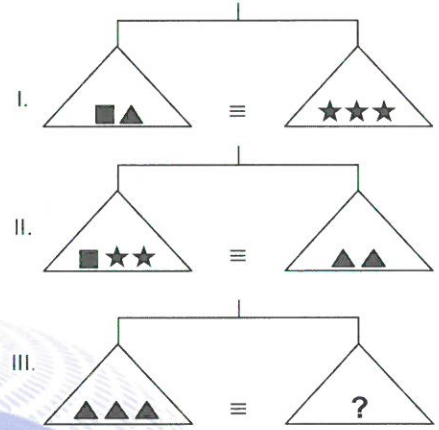
B) ■ ■

C) ● ● ●

D) ■ ■ ● ●

E) ▲ ● ● ●

7.



A) ■ ■ ▲

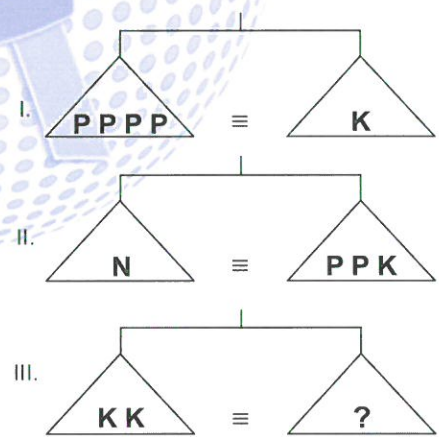
B) ■ ■ ★ ★

C) ■ ★ ★ ★

D) ★ ★ ★ ★ ★

E) ★ ★ ★ ★

8.



A) P P P

B) P P N

C) N N P

D) K N P

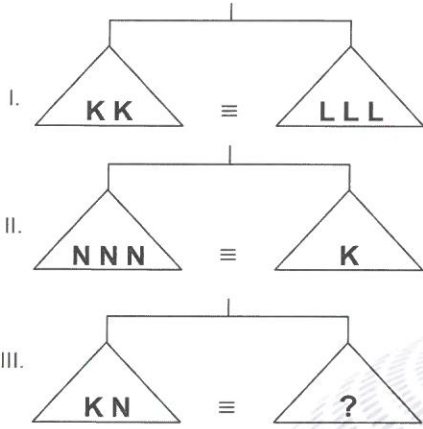
E) K N N

Cevap Anahtarı – Answer Sheet

1.B	2.B	3.D	4.E
5.B	6.C	7.D	8.B



1.



A) LL

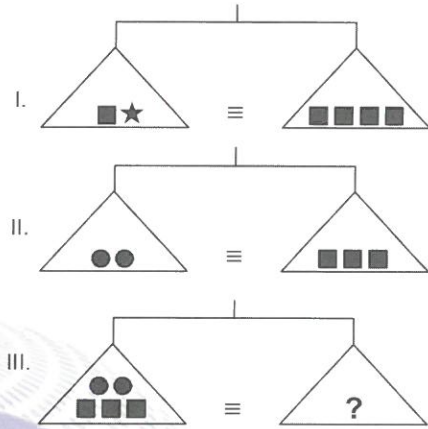
B) KL

C) LLN

D) LKK

E) NNLL

3.



A) ★

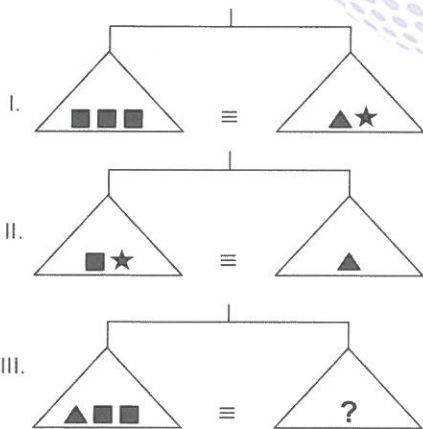
B) ★★

C) ★★★

D) ★★●

E) ★★●■

2.



A) ★

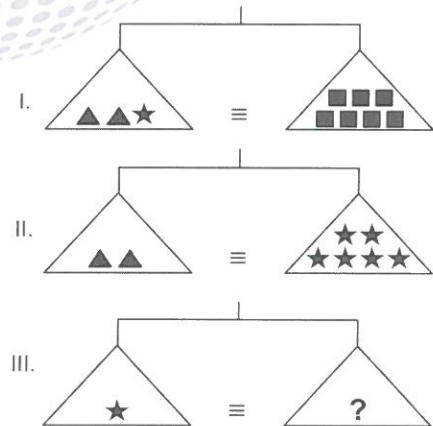
B) ■■★

C) ▲▲

D) ★★★

E) ▲▲▲

4.



A) ■

B) ▲

C) ■■

D) ▲▲

E) ▲■



5. I. II. III.

A) KPP B) PPP C) PP
D) KKK E) KKP

6. I. II. III.

A) ●★ B) ●●★ C) ●★★
D) ●● E) ★★

7. I. II. III.

A) ■■ B) ●● C) ■
D) ●●■ E) ●■

8. I. II. III.

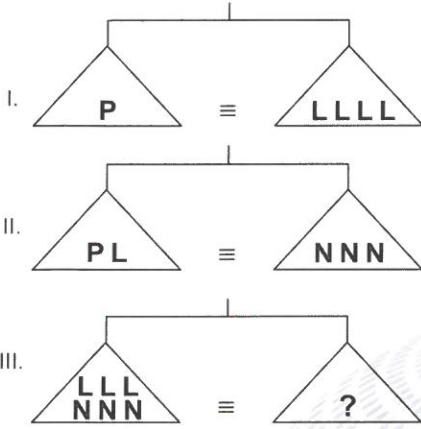
A) ★★★ B) ★▲▲ C) ▲▲
D) ★★★★★ E) ★★

Cevap Anahtarı – Answer Sheet

1.A	2.C	3.B	4.A
5.B	6.A	7.C	8.D



1.



A) LL

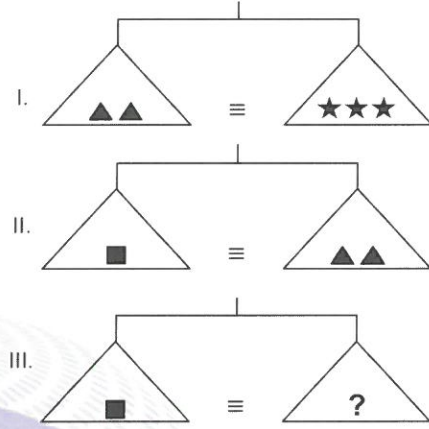
B) PLLNN

C) PP

D) PLLLN

E) NNNNL

3.



A) ★★▲

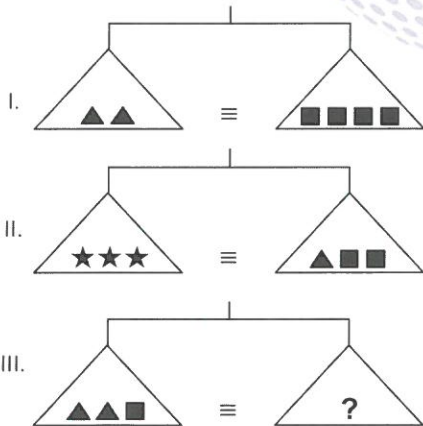
B) ★★ ★

C) ★★

D) ★▲

E) ★

2.



A) ★★ ★■

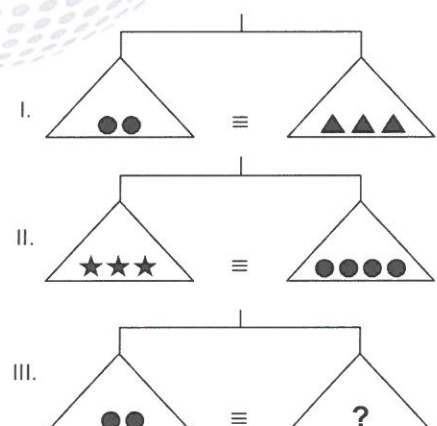
B) ★■▲

C) ■■▲

D) ★★ ■

E) ★★ ■▲

4.



A) ★★●

B) ★●▲

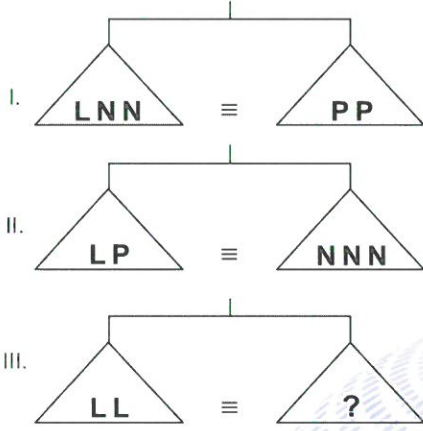
C) ★▲▲

D) ★★

E) ★▲



5.



A) NP

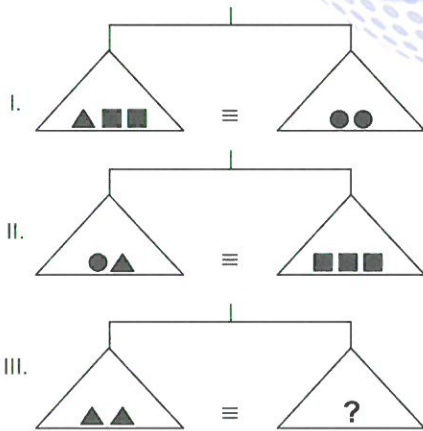
B) NN

C) NPP

D) PP

E) NNP

6.



A) ■●●

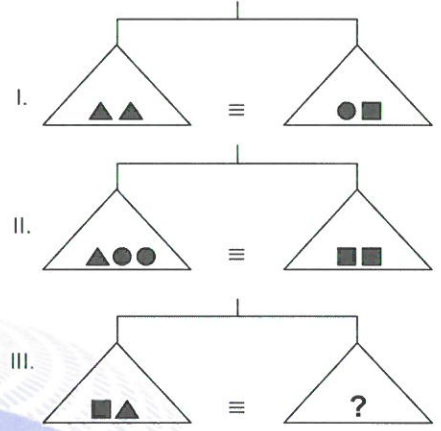
B) ■■

C) ■●

D) ■■■●

E) ●●

7.



A) ●●●

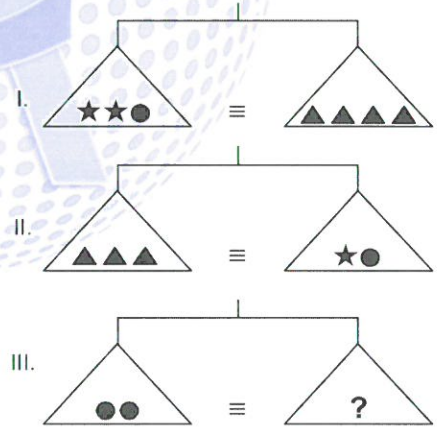
B) ■■■●

C) ■●

D) ●●

E) ■■●●

8.



A) ★●▲▲

B) ★★

C) ▲

D) ★★★

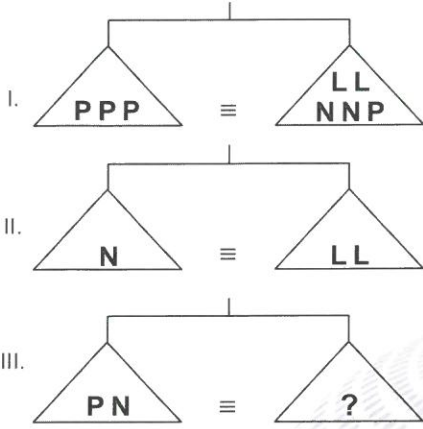
E) ▲▲▲▲

Cevap Anahtarı – Answer Sheet

1.C	2.A	3.B	4.E
5.A	6.C	7.A	8.E



1.



A) LL

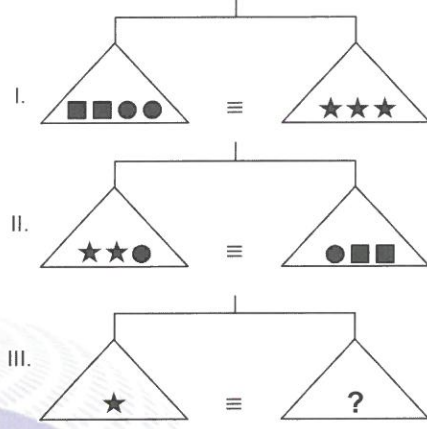
B) LLLN

C) NN

D) LNNN

E) LN

3.



A) ●

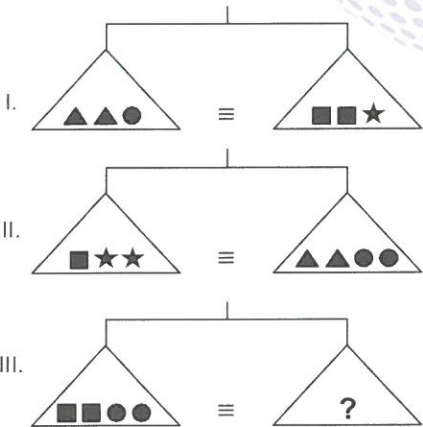
B) ■■

C) ●●■

D) ●●●

E) ●●

2.



A) ★▲

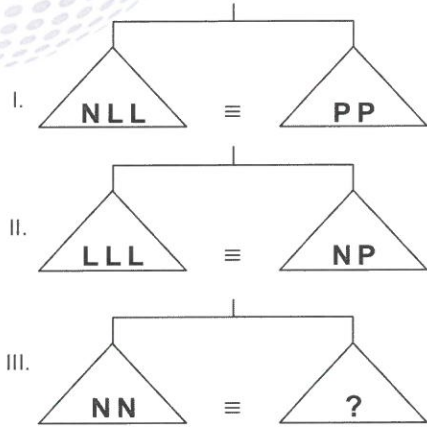
B) ▲▲

C) ●★★

D) ★★

E) ▲▲★

4.



A) PP

B) LPP

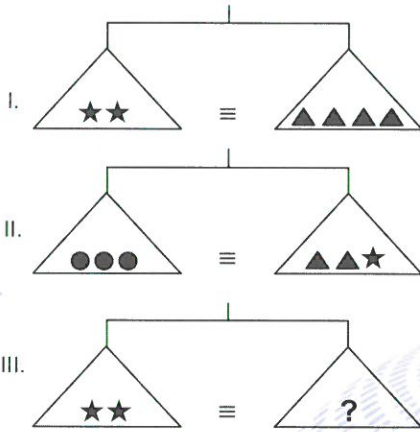
C) LL

D) LP

E) LLP

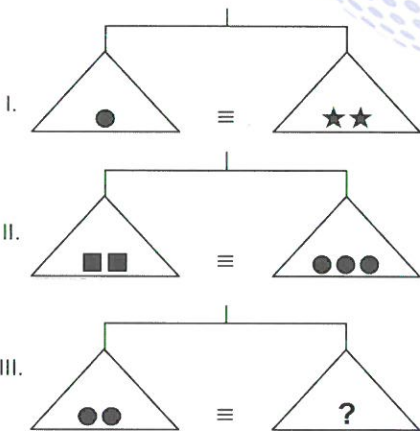


5.



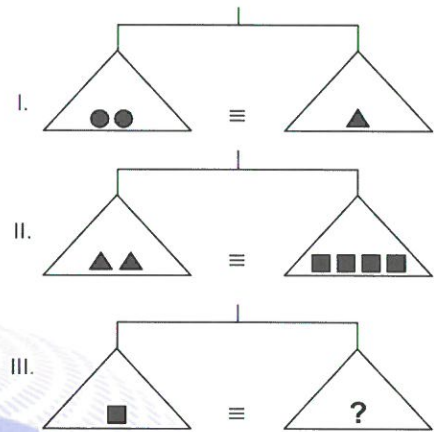
- A) ●●▲▲▲ B) ●●▲▲ C) ▲☆
D) ●●● E) ●●▲

6.



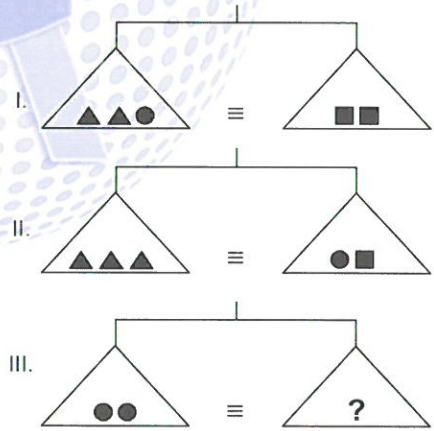
- A) ■☆ B) ●☆ C) ■
D) ■●☆ E) ■☆☆

7.



- A) ●▲ B) ▲ C) ●●●
D) ●● E) ●

8.



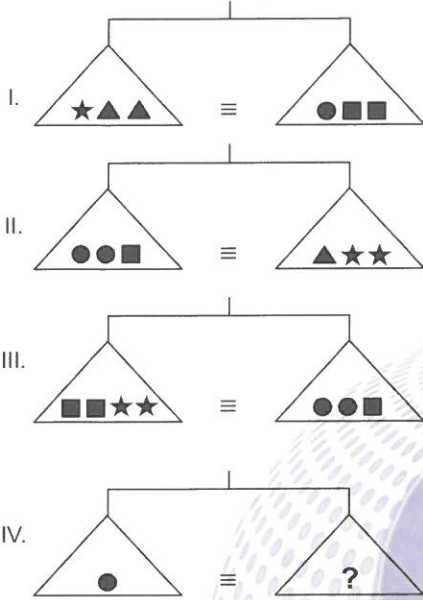
- A) ▲▲ B) ■■ C) ▲▲■
D) ▲■ E) ▲■■■

Cevap Anahtarı – Answer Sheet

1.B	2.D	3.E	4.D
5.D	6.A	7.E	8.D

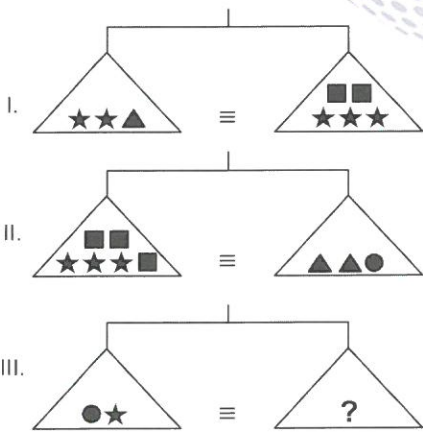


1.



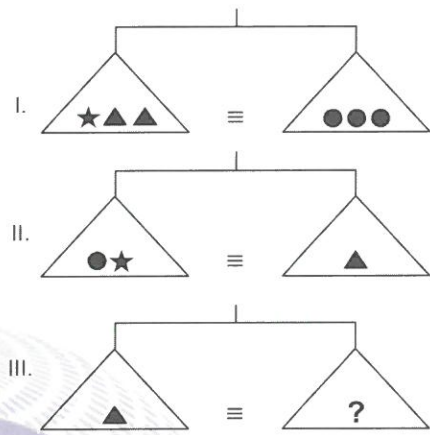
- A)  B)  C) 
D)  E) 

2.



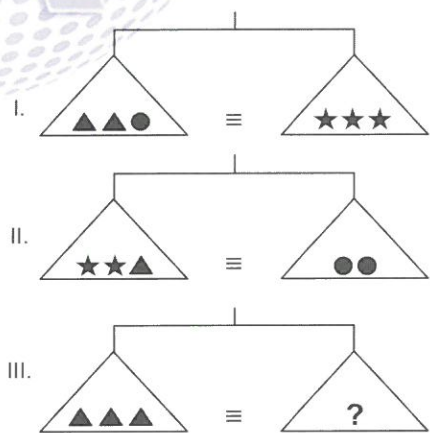
- A)  B)  C) 
D)  E) 

3.



- A)  B)  C) 
D)  E) 

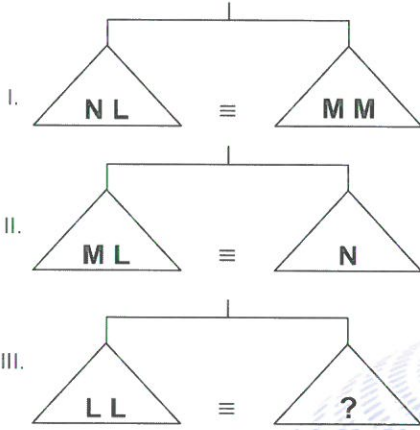
4.



- A)  B)  C) 
D)  E) 



5.



A) N N M

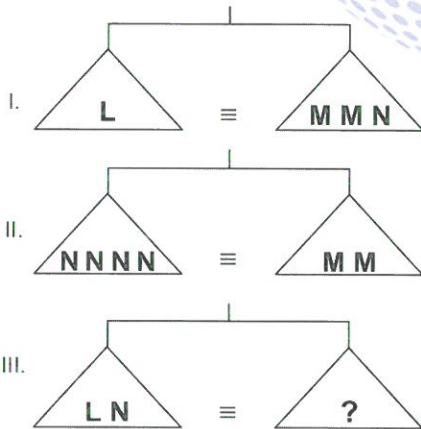
B) N N

C) M

D) M M

E) M M N

6.



A) N N

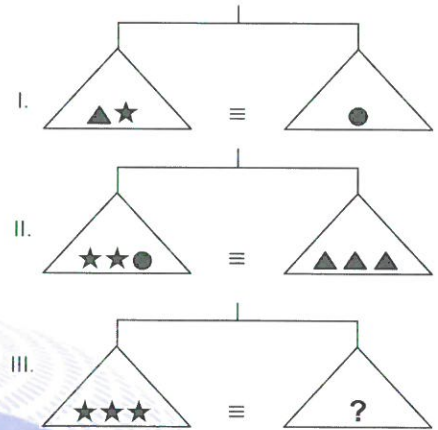
B) N N N M

C) M M M

D) M M N

E) M M N N N

7.



A) ●

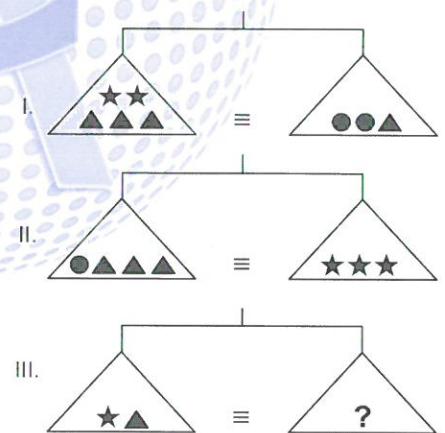
B) ★ ★

C) ▲

D) ▲ ▲

E) ▲ ●

8.



A) ● ●

B) ★ ★ ★

C) ▲ ▲ ▲

D) ● ★

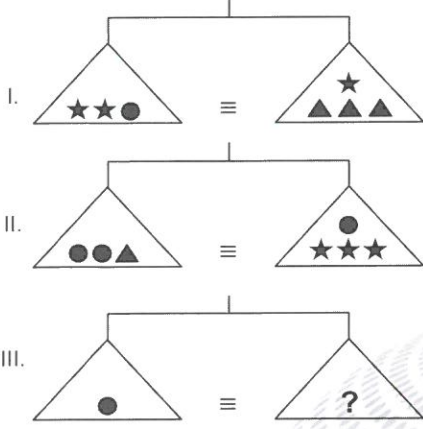
E) ● ▲

Cevap Anahtarı – Answer Sheet

1.D	2.B	3.D	4.D
5.C	6.C	7.D	8.C

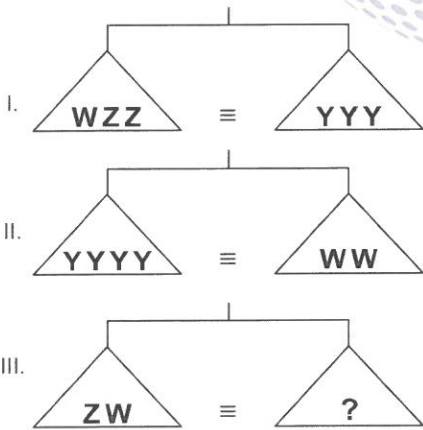


1.



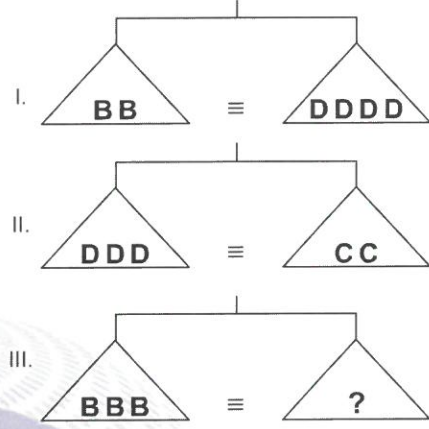
- A) $\blacktriangle \star$ B) $\blacktriangle \blacktriangle \star$ C) $\blacktriangle \star \star$
D) $\blacktriangle \blacktriangle \star \star$ E) $\blacktriangle \star \star \star$

2.



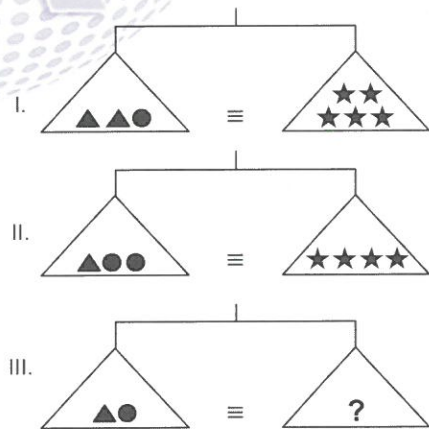
- A) YY B) WWY C) WZZ
D) WW E) ZZZY

3.



- A) CCC B) CCCC C) CCCB
D) CCCD E) CCCBB

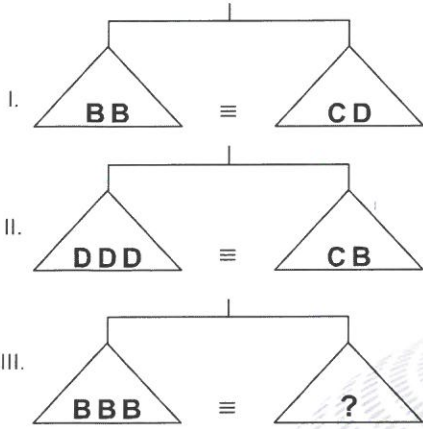
4.



- A) $\star$ B) $\star \star$ C) $\star \bullet \bullet$
D) $\star \star \star \star$ E) $\star \star \star \blacktriangle \blacktriangle$

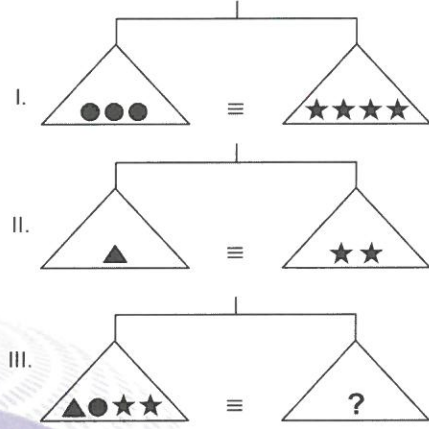


1.



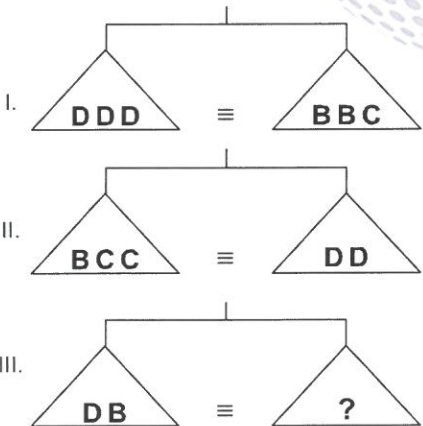
- A) CC B) CCD C) DDDD
D) CCB E) DDD

3.



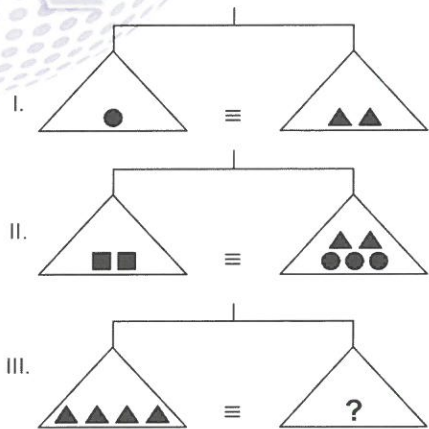
- A) ●●● B) ●●●●★ C) ●●●▲▲
D) ★★★★★▲ E) ●●●●●

2.



- A) DD B) DDC C) DC
D) BC E) DCC

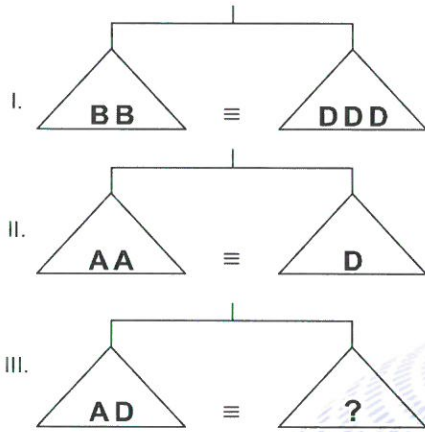
4.



- A) ■ B) ■■ C) ●●●
D) ■●▲ E) ●●■



5.



A) BA

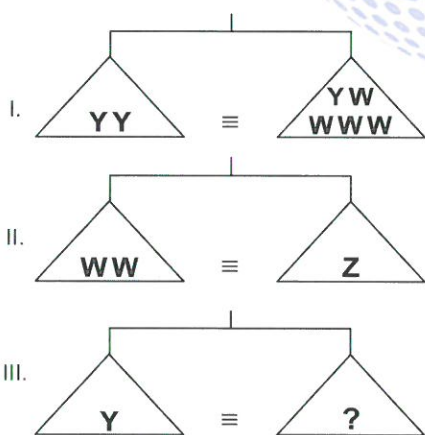
B) BBA

C) DB

D) B

E) BB

6.



A) Z

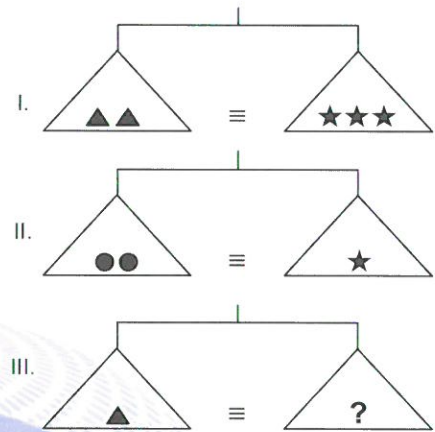
B) ZZ

C) WZ

D) WW

E) WWW

7.



A) ●●

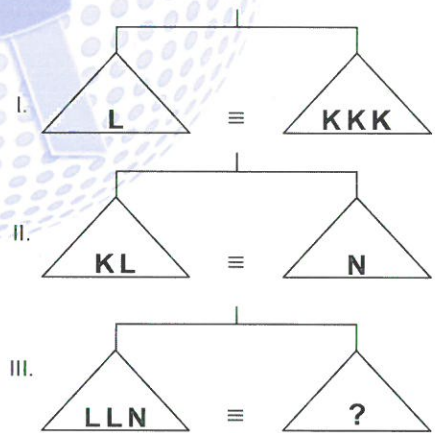
B) ●●★

C) ●★

D) ●●●●

E) ●★★

8.



A) NNK

B) KK

C) NN

D) NNKK

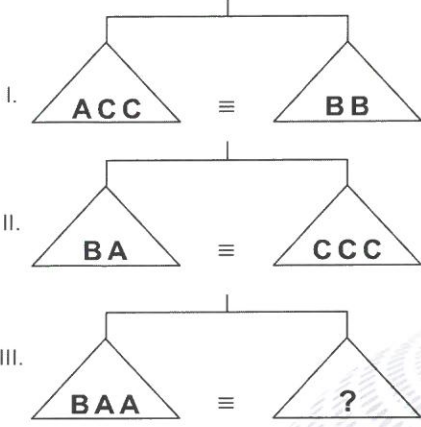
E) NKKK

Cevap Anahtarı – Answer Sheet

1.C	2.B	3.E	4.A
5.D	6.B	7.C	8.D



1.



A) CB

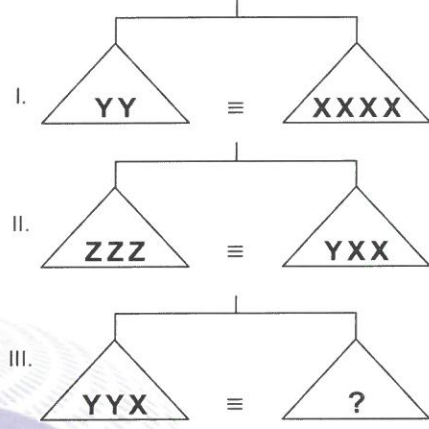
B) BA

C) CBB

D) BBB

E) CC

3.



A) XZZ

B) XZZY

C) XZZZ

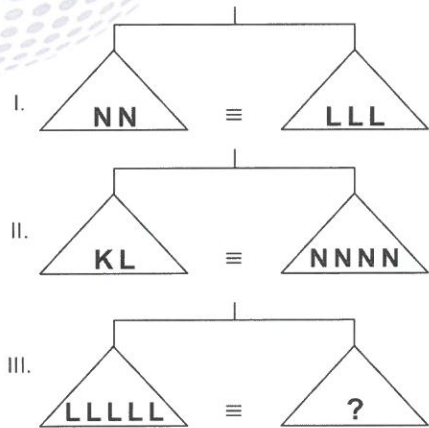
D) XXY

E) XZ

2.

A) $\blacksquare\blacksquare\star$ B) $\blacksquare\star$ C) $\blacksquare\blacksquare\star$ D) $\star\star\blacksquare$ E) $\star\star$

4.



A) N

B) NN

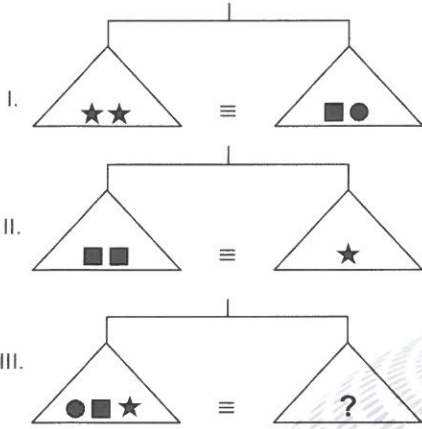
C) K

D) KL

E) KN



1.



A) ★★●●

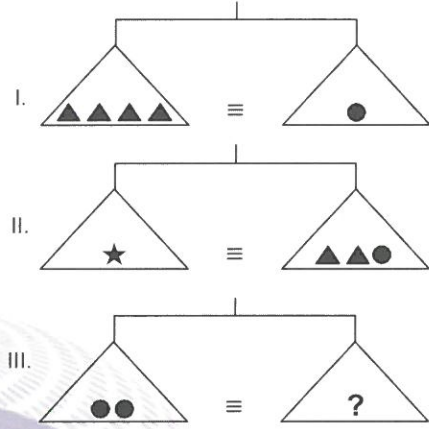
B) ★●

C) ■■

D) ★★

E) ★●●

3.



A) ●▲

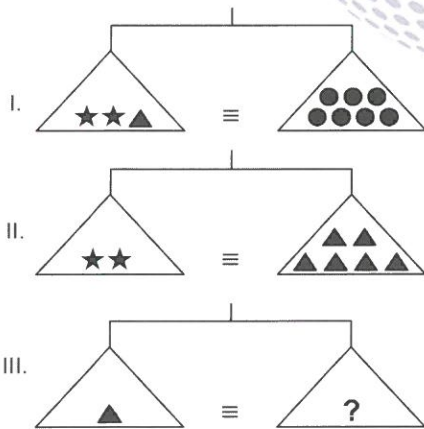
B) ▲▲★

C) ▲▲●

D) ▲★★

E) ★★

2.



A) ●●●

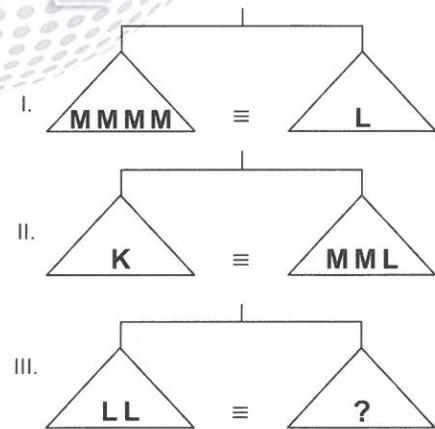
B) ★

C) ★★

D) ●

E) ●★

4.



A) MML

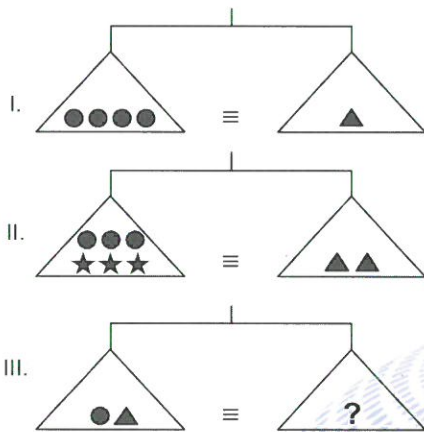
B) KLM

C) MMK

D) ML

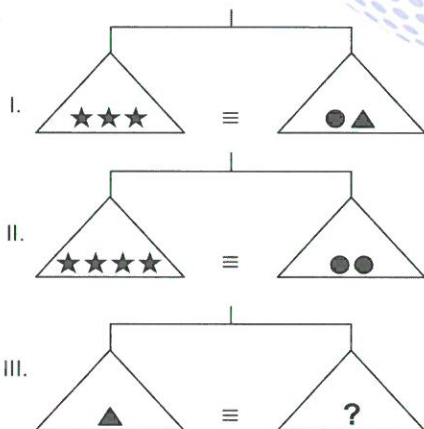
E) KKM

5.



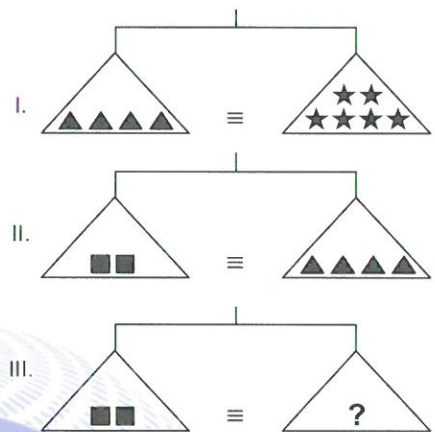
- A) ●●● B) ▲★ C) ★★★
D) ●★★ E) ▲▲▲

6.



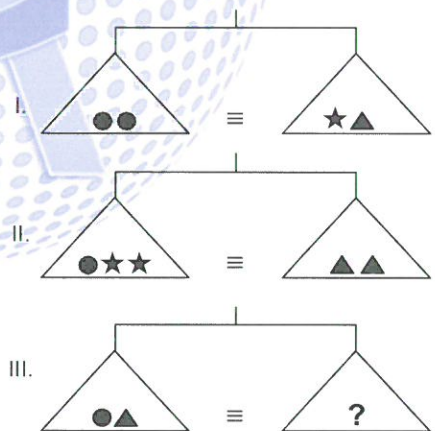
- A) ★ B) ★★ C) ●●●
- D) ★● E) ★▲▲

7.



- A) ★★★★★★
- B) ★★★★★
- C) ★★▲▲
- D) ★▲▲▲
- E) ★▲▲

8.



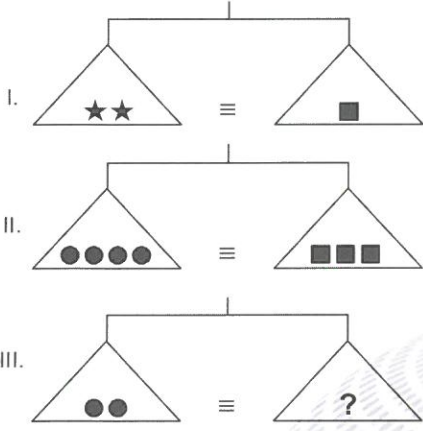
- A) ★★ B) ●★ C) ★★★
D) ▲▲▲● E) ●●●

Cevap Anahtarı – Answer Sheet

1.D	2.D	3.B	4.C
5.C	6.A	7.A	8.C



1.



A) ■ ★ ●

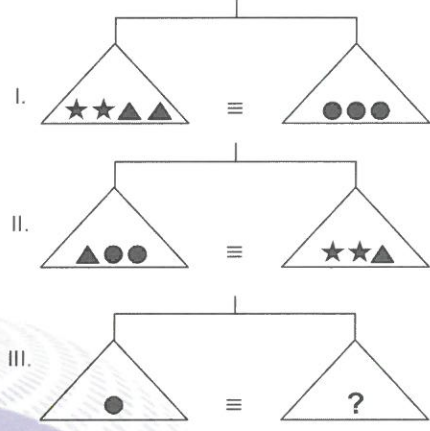
B) ★ ★ ★

C) ■ ■

D) ★ ●

E) ■ ★ ★

3.



A) ★ ▲

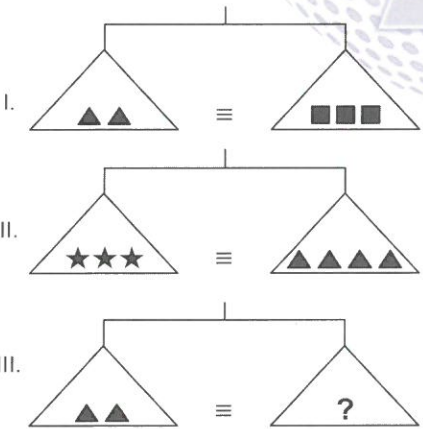
B) ★ ★

C) ★ ▲ ▲

D) ▲ ▲

E) ▲ ▲ ▲

2.



A) ■ ★

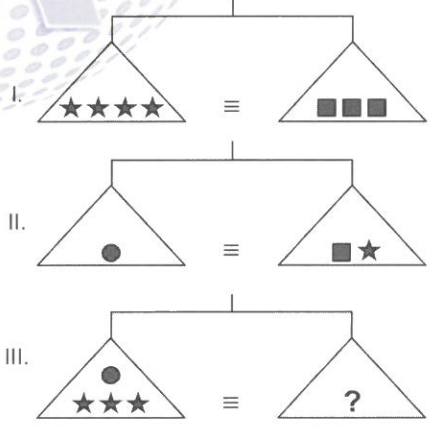
B) ★ ★ ★

C) ■ ■ ★

D) ■ ★ ★

E) ★

4.



A) ■ ■

B) ■ ■ ★ ★

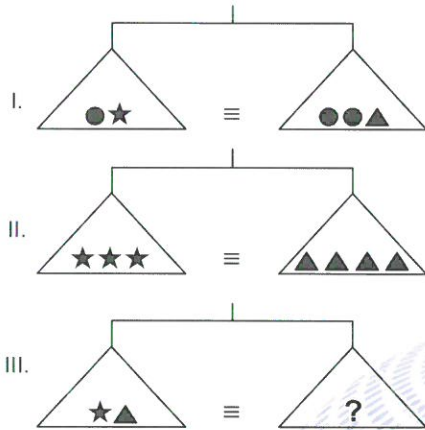
C) ■ ■ ■ ■

D) ● ● ● ● ● ●

E) ● ● ★ ★



5.



A) ●●●●●●●●

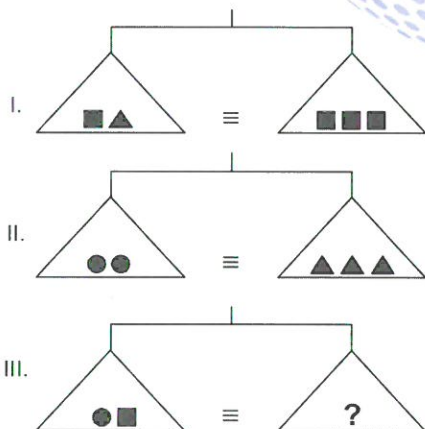
B) ●●●●●●●●

C) ★●●●●●●●

D) ▲▲▲▲

E) ●●●●●★

6.



A) ●●▲

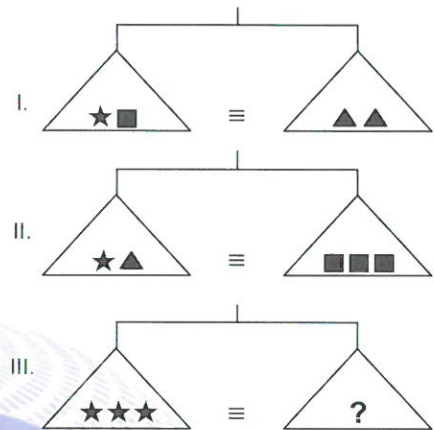
B) ●●■

C) ▲▲▲▲▲

D) ■■

E) ▲▲

7.



A) ■■■

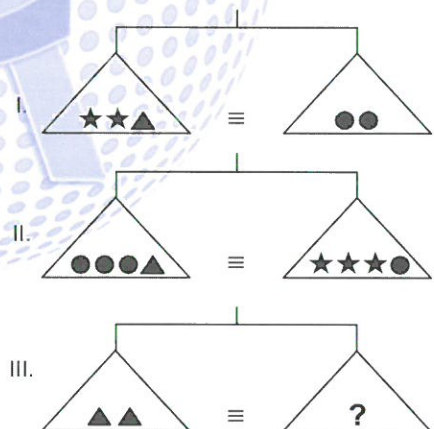
B) ★★■

C) ■■■■■■

D) ★★▲▲

E) ★■■

8.



A) ★

B) ★★▲

C) ●

D) ●●

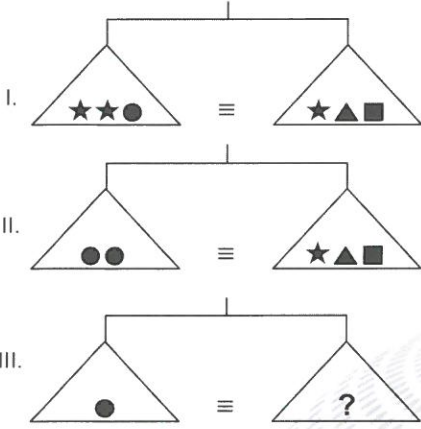
E) ★●

Cevap Anahtarı – Answer Sheet

1.B	2.A	3.D	4.C
5.A	6.E	7.C	8.A



1.



A) ★★ ★

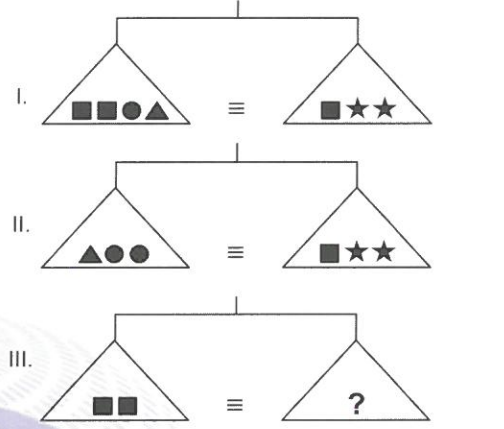
B) ★ ▲

C) ▲ ▲

D) ★★ ★ ★

E) ★ ★

3.



A) ● ● ●

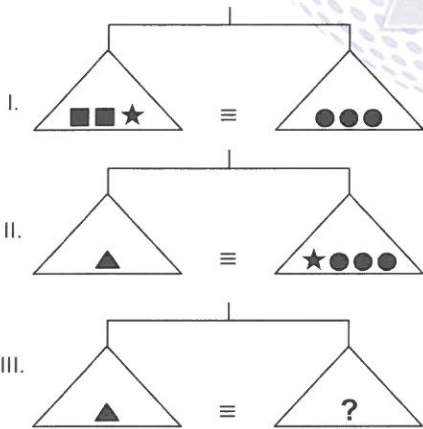
B) ▲

C) ● ■

D) ●

E) ● ★

2.



A) ■ ★ ▲

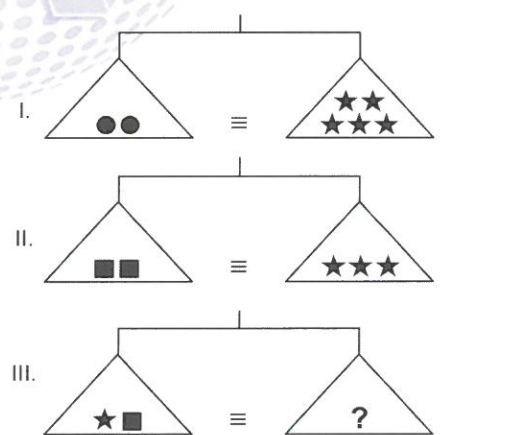
B) ■ ★

C) ■ ● ●

D) ■ ■ ★ ★

E) ★ ★ ● ●

4.



A) ●

B) ★ ●

C) ★ ★

D) ■ ■ ●

E) ● ● ●



5. I. II. III.
- A) ★★★ B) ■ ★ C) ● ■ D) ● ■ ★ E) ★
6. I. II. III.
- A) ● ● B) ★ ★ C) ● ★ D) ★ ★ ★ E) ▲
7. I. II. III.
- A) ■ ■ ▲ ▲ ▲ ▲ B) ■ ● ● C) ● ▲ ▲ ▲ D) ▲ ▲ ▲ E) ■ ■
8. I. II. III.
- A) ● ★ ★ B) ★ ★ ★ C) ■ ★ D) ■ ■ ★ ★ E) ■ ■

Cevap Anahtarı – Answer Sheet

1.E	2.D	3.D	4.A
5.E	6.B	7.D	8.D

14. BÖLÜM

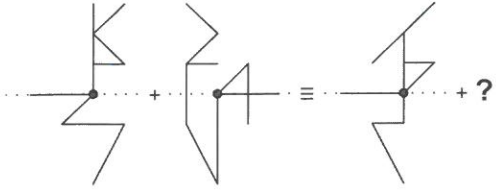
ŞEKİL TAMAMLAMA







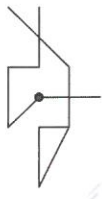
1.



A)



B)



C)



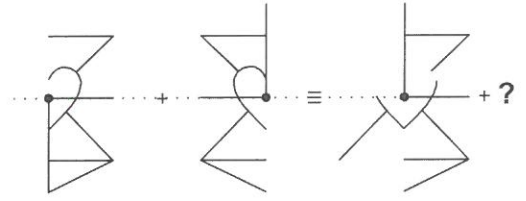
D)



E)



3.



A)



B)



C)



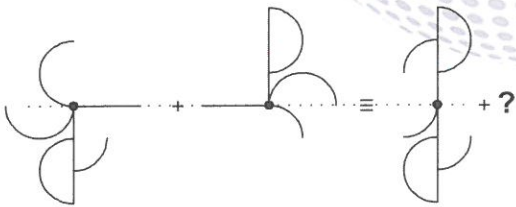
D)



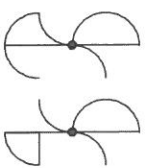
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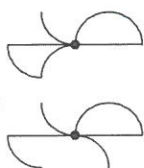
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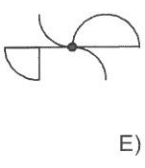
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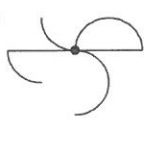
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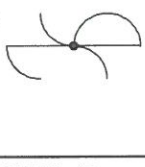
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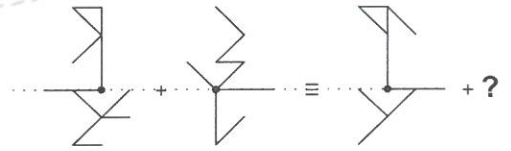
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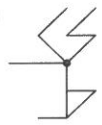
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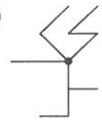
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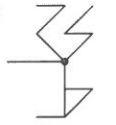
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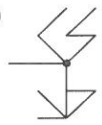
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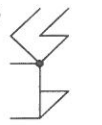
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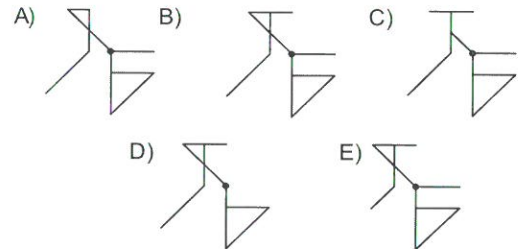
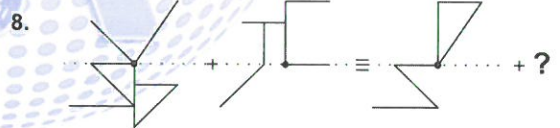
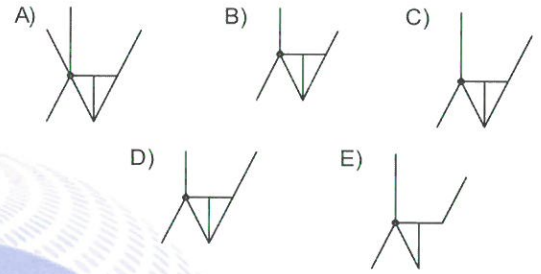
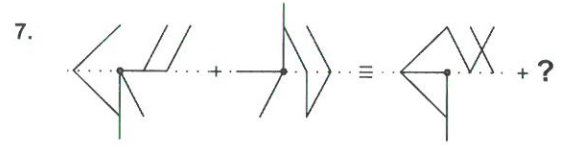
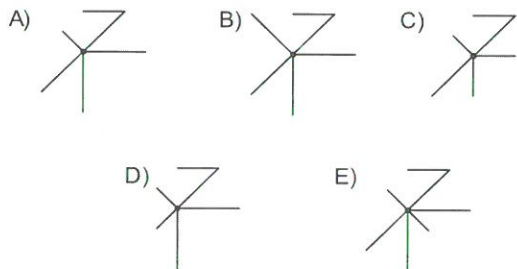
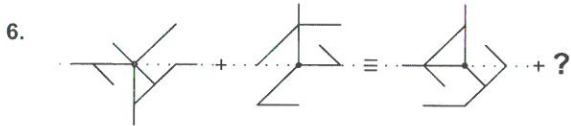
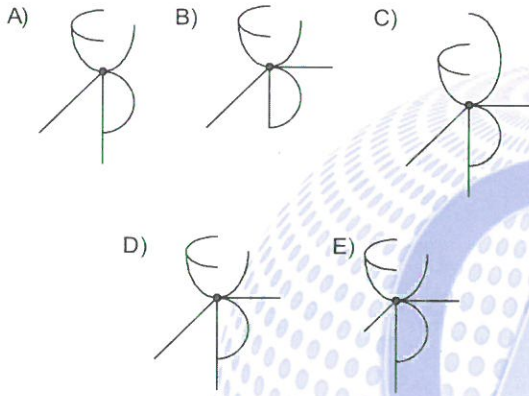
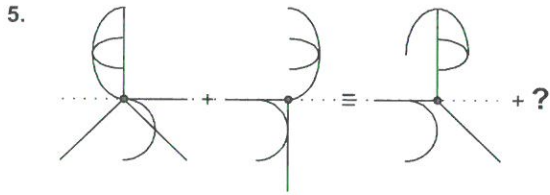


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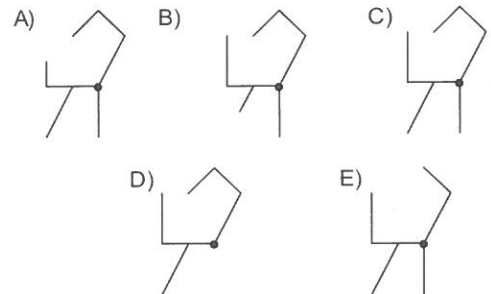
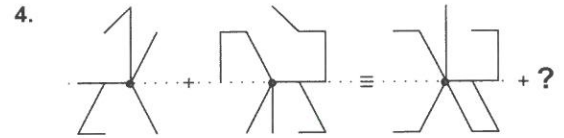
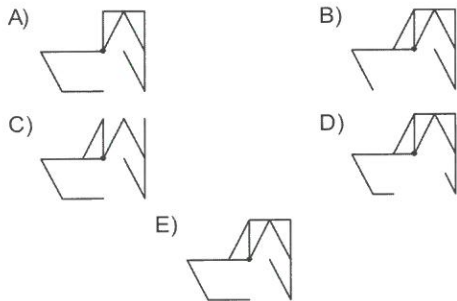
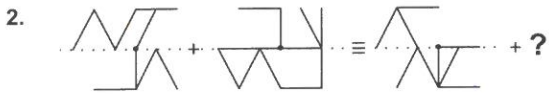
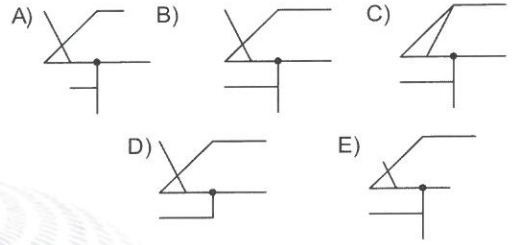
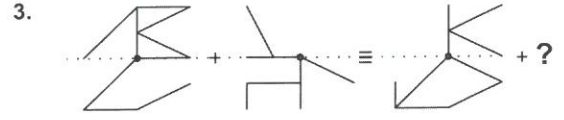
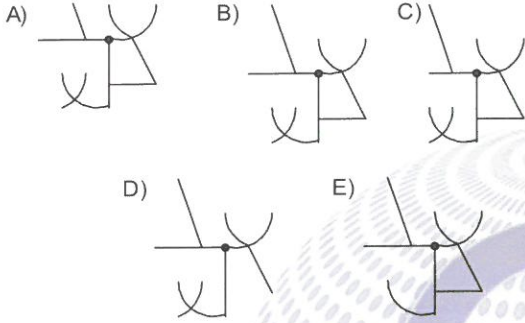
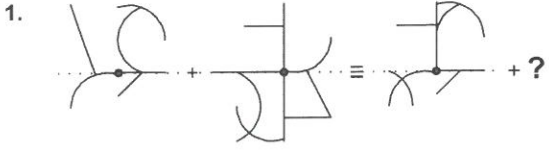
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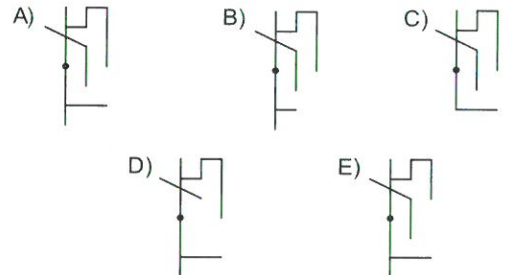
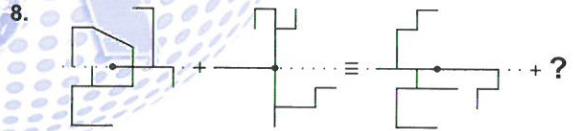
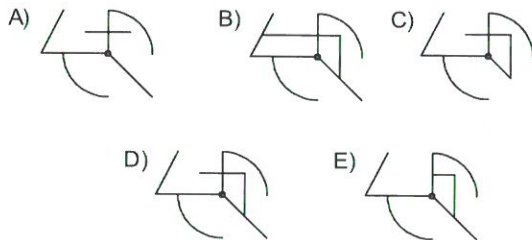
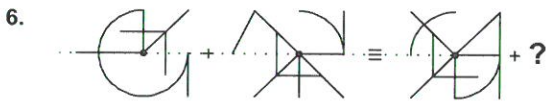
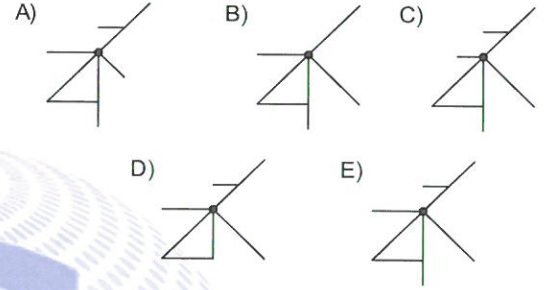
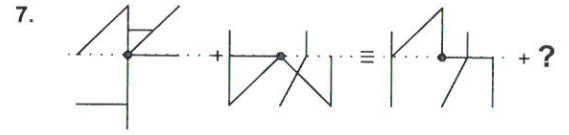
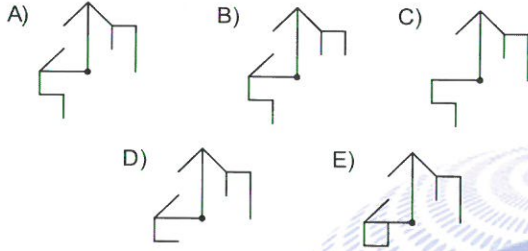
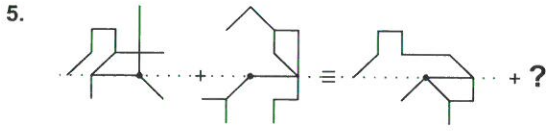




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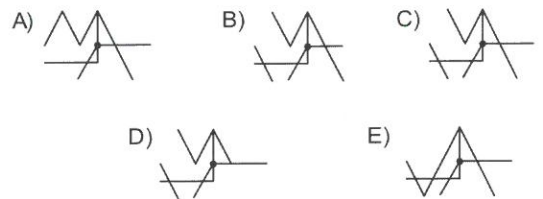
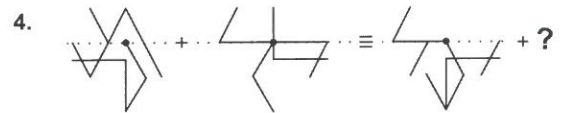
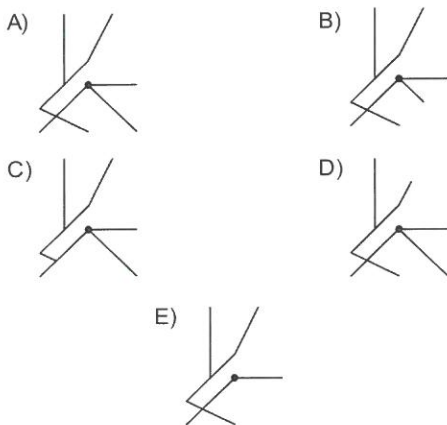
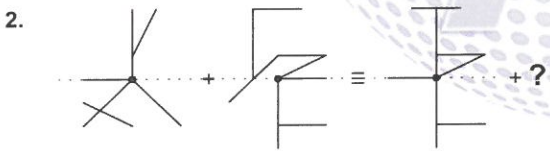
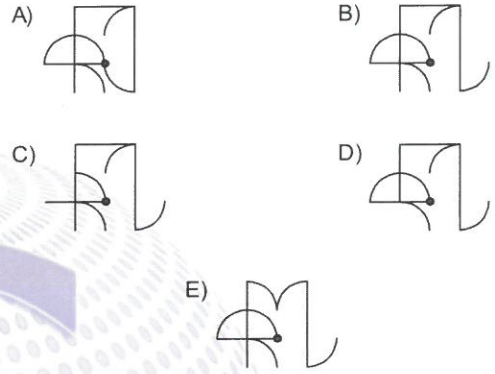
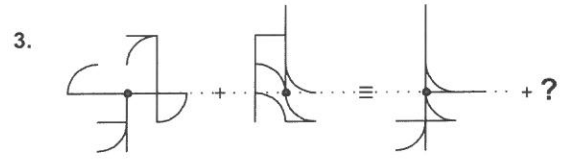
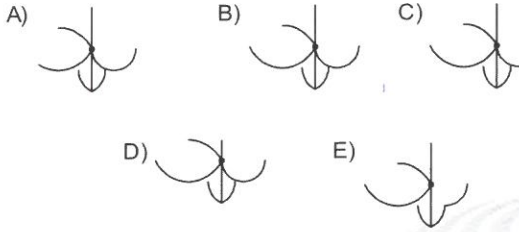
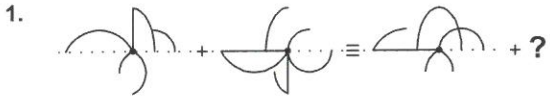
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5.D	6.A	7.C	8.B

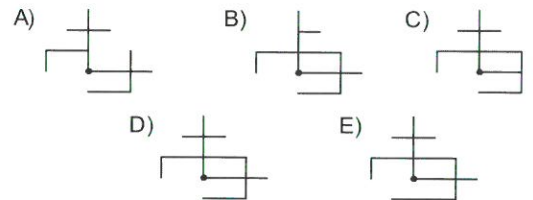
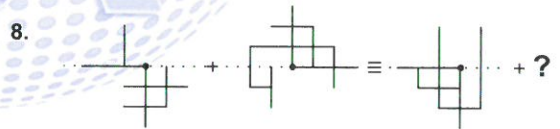
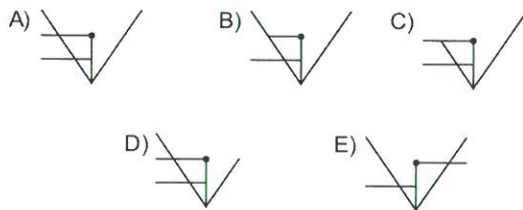
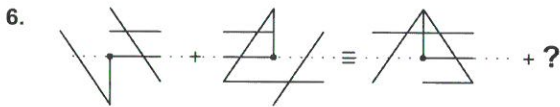
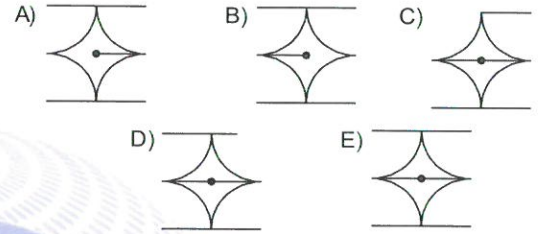
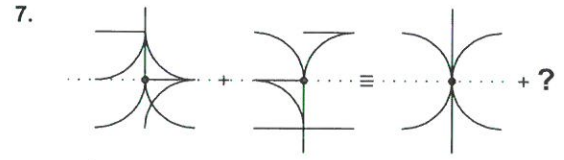
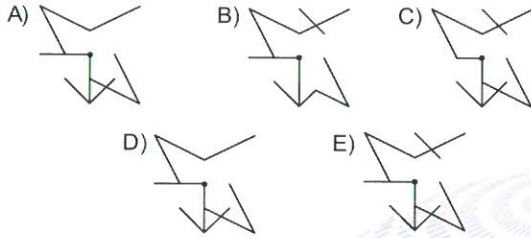




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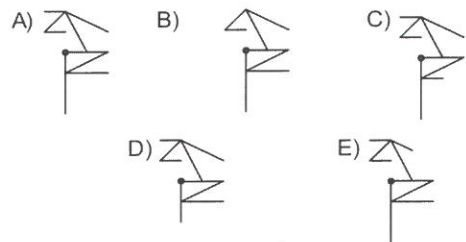
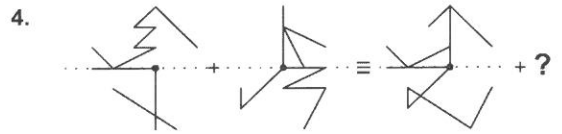
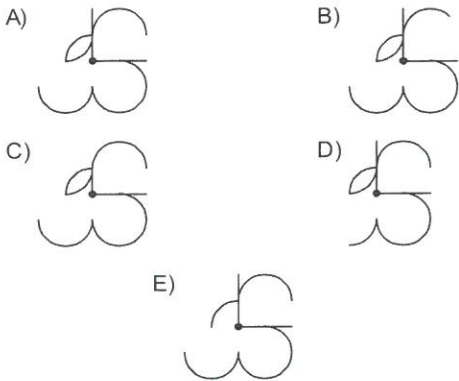
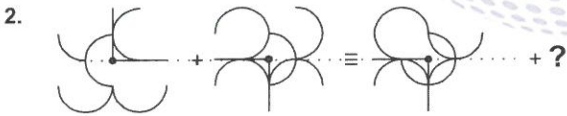
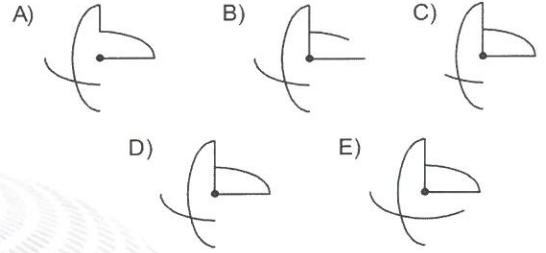
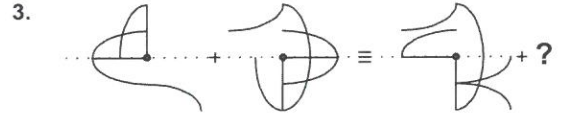
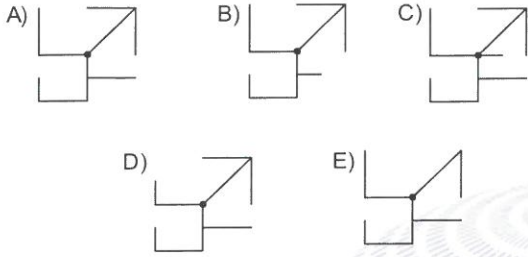
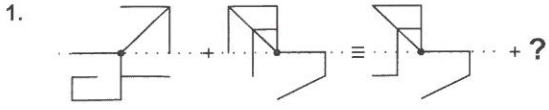
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5.A	6.D	7.E	8.A

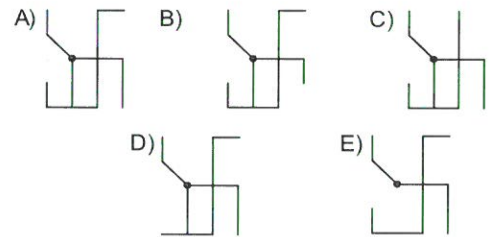
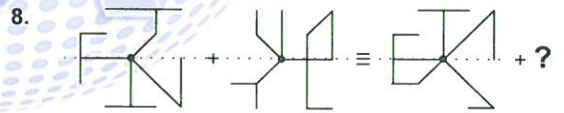
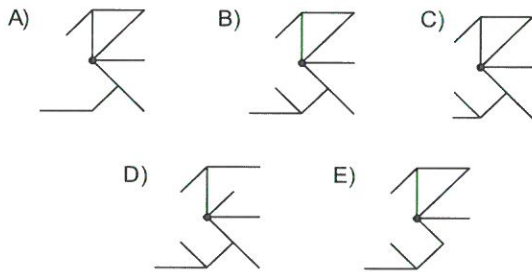
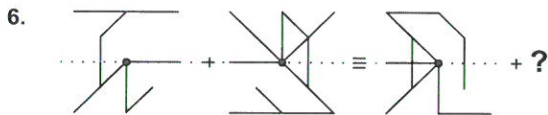
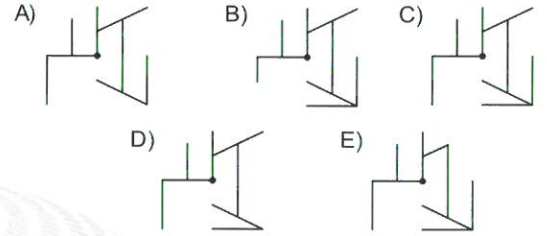
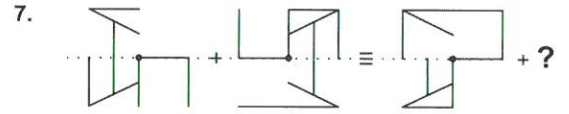
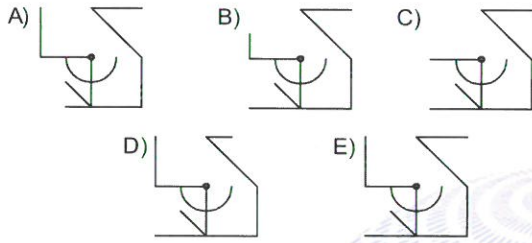
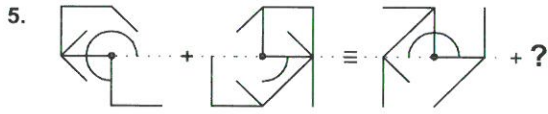




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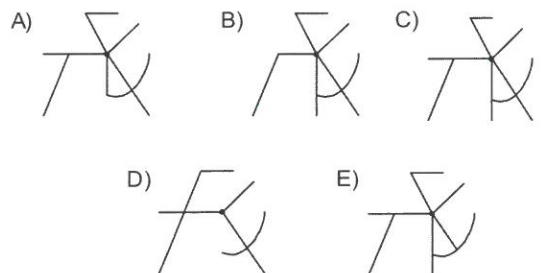
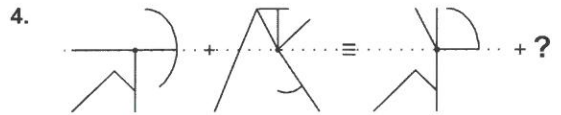
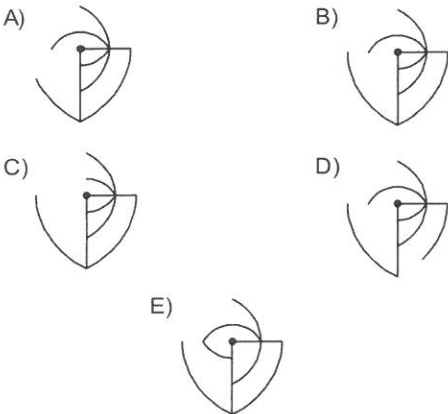
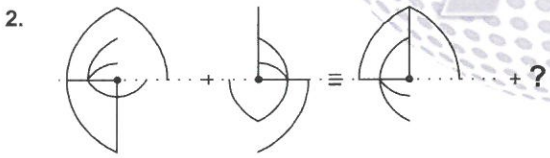
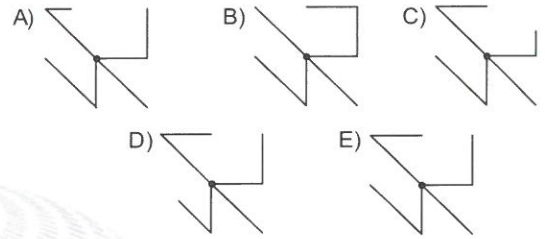
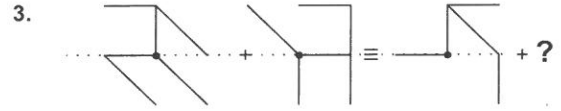
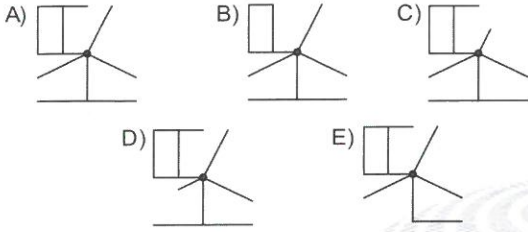
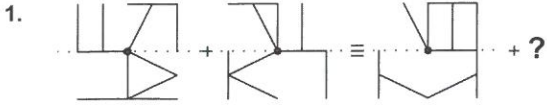
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5.E	6.A	7.E	8.D

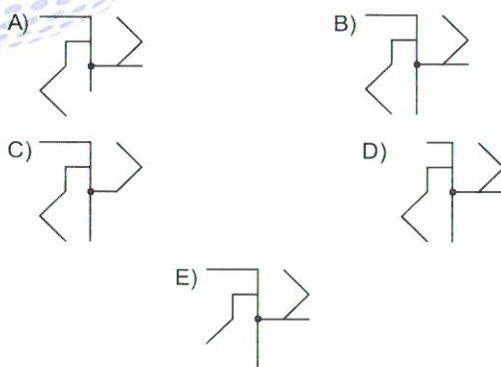
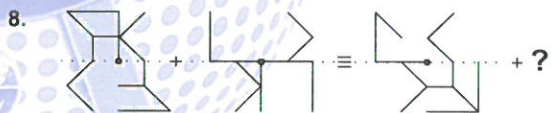
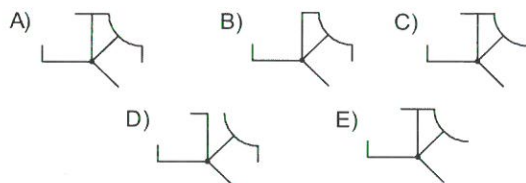
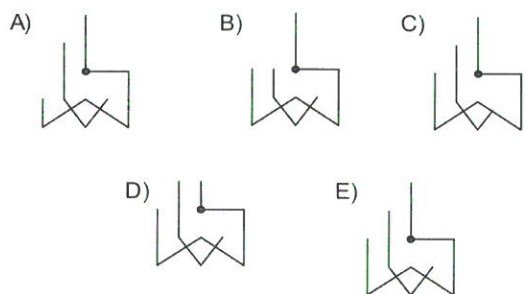
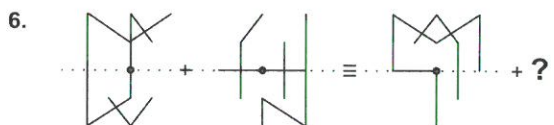
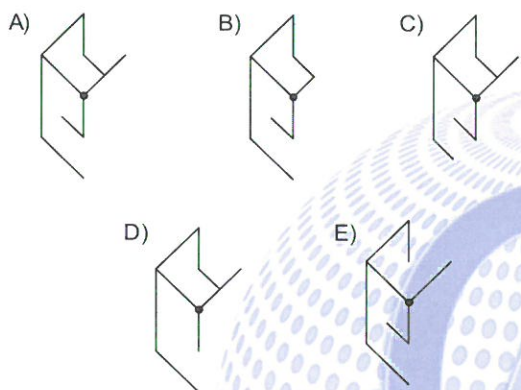
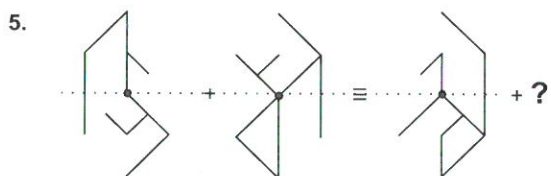




Cevap Anahtarı – Answer Sheet

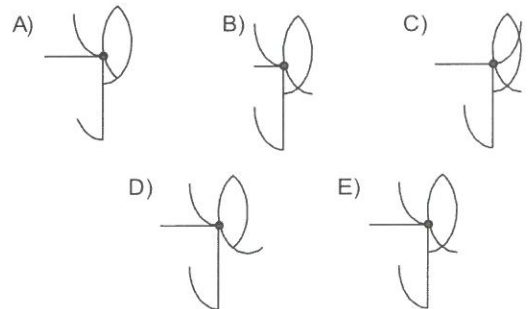
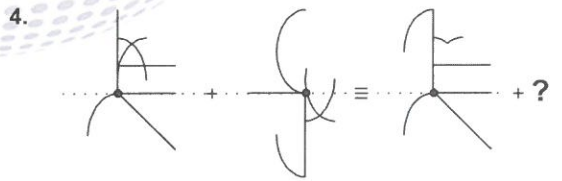
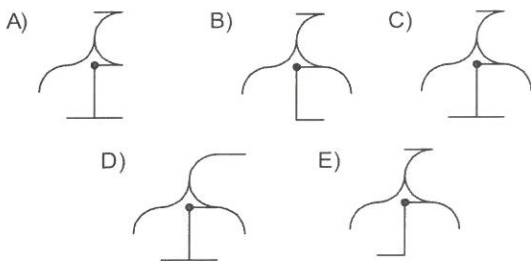
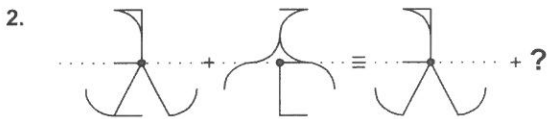
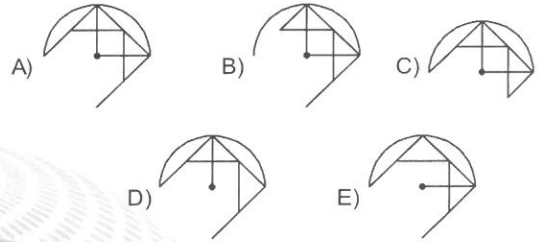
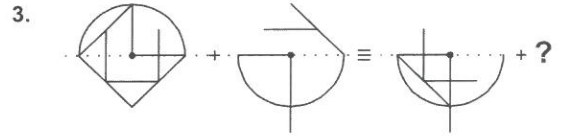
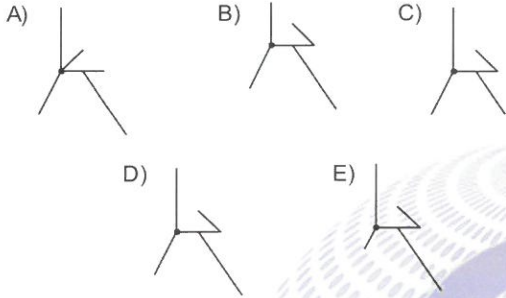
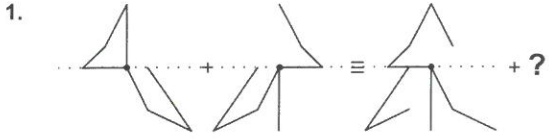
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5.E	6.B	7.C	8.A





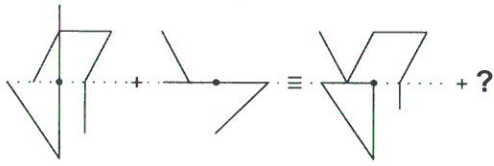
Cevap Anahtarı – Answer Sheet

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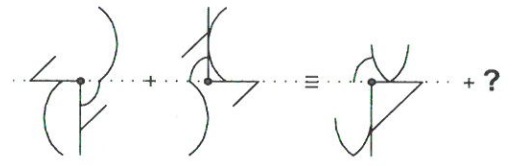


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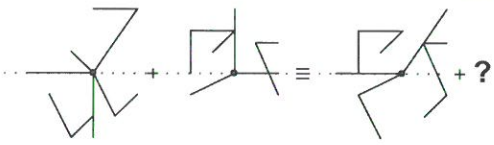
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7.



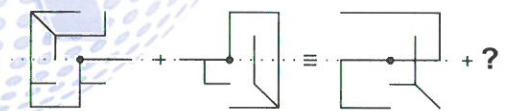
- A) B) C) D) E)

6.



- A) B) C) D) E)

8.



- A) B) C) D) E)

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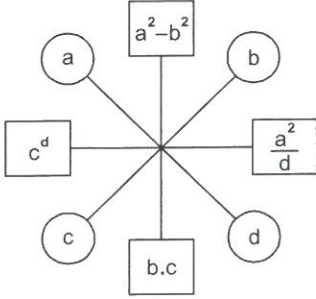
1.D	2.C	3.A	4.E
5.C	6.C	7.D	8.C

15. BÖLÜM

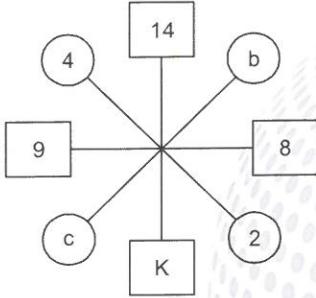
İŞLEM ÖRÜNTÜLERİ







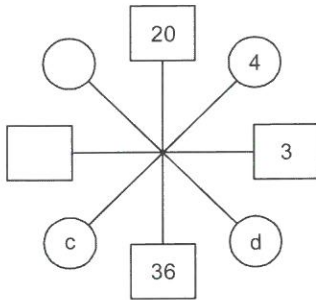
1.



K = ?

- A) $3\sqrt{2}$ B) $4\sqrt{2}$ C) $5\sqrt{2}$ D) $6\sqrt{2}$ E) $7\sqrt{2}$

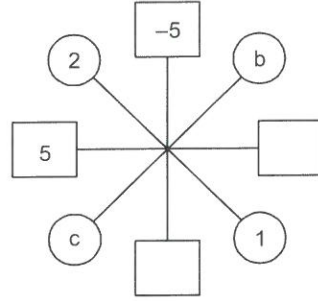
2.



$$\frac{c+d}{\frac{a^2}{d} + (b.c)} = ?$$

- A) $\frac{4}{13}$ B) $\frac{5}{13}$ C) $\frac{6}{13}$ D) $\frac{7}{13}$ E) $\frac{8}{13}$

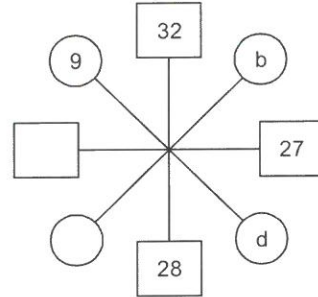
3.



$$\frac{b+c}{d} = ?$$

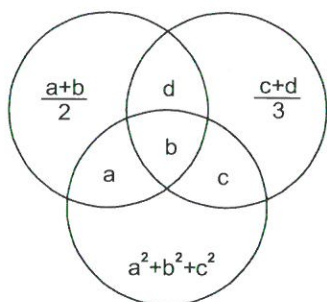
- A) 6 B) 8 C) 10 D) 12 E) 14

4.

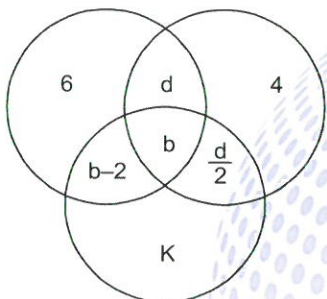


$$\frac{a-b+d}{c} = ?$$

- A) $\frac{5}{4}$ B) 1 C) 3 D) 4 E) 5



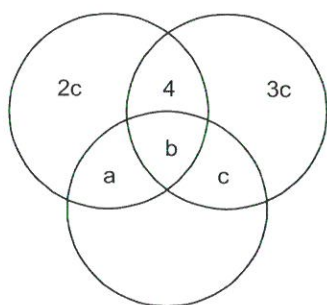
5.



K = ?

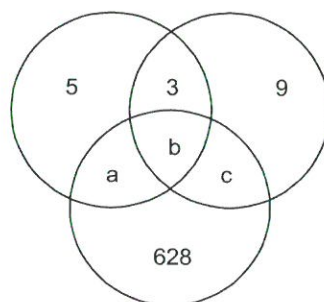
- A) 50 B) 60 C) 70 D) 80 E) 90

6.

 $a + b + c = ?$

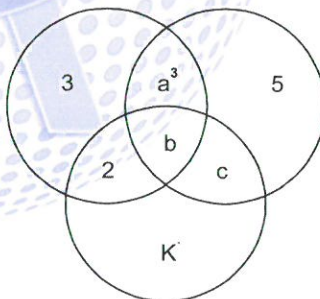
- A) $\frac{1}{2}$ B) $\frac{3}{2}$ C) $\frac{5}{2}$ D) $\frac{7}{2}$ E) $\frac{9}{2}$

7.

 $\frac{b}{a} = ?$

- A) $\frac{5}{2}$ B) 2 C) $\frac{3}{2}$ D) 1 E) $\frac{1}{2}$

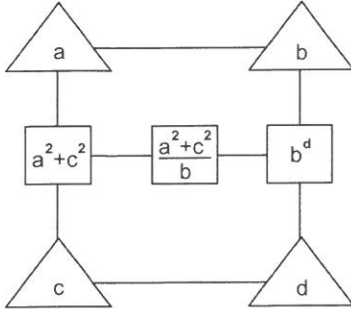
8.

 $\frac{K}{b+c} = ?$

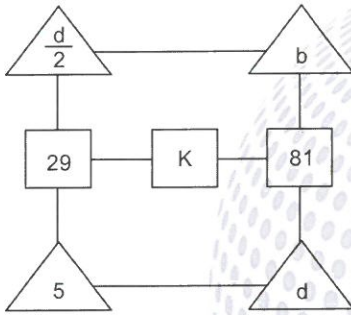
- A) $\frac{20}{11}$ B) $\frac{36}{11}$ C) $\frac{69}{11}$ D) $\frac{72}{13}$ E) $\frac{81}{17}$

Cevap Anahtarı – Answer Sheet

1.A	2.D	3.B	4.A
5.E	6.C	7.C	8.C



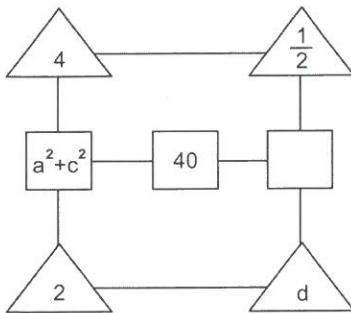
1.



K = ?

- A) $\frac{28}{3}$ B) $\frac{29}{3}$ C) $\frac{30}{4}$ D) $\frac{32}{5}$ E) $\frac{33}{5}$

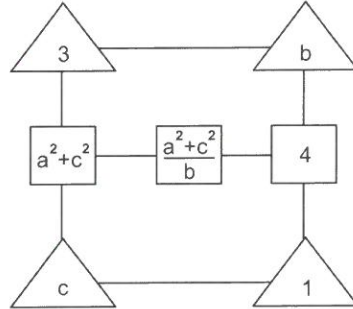
2.



$$\frac{a-b}{c} = ?$$

- A) $\frac{7}{4}$ B) $\frac{7}{3}$ C) $\frac{7}{2}$ D) $\frac{4}{7}$ E) $\frac{5}{7}$

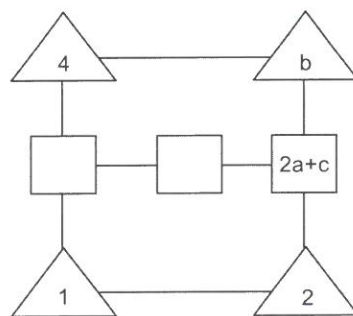
3.



$$\frac{\frac{a^2+c^2}{b}}{\frac{a^2+c^2}{b}} = ?$$

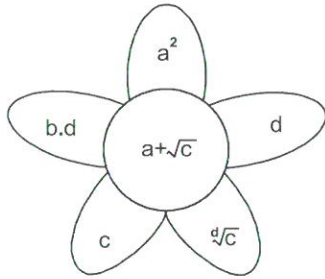
- A) $\frac{1}{4}$ B) $\frac{1}{2}$ C) 1 D) 2 E) 4

4.

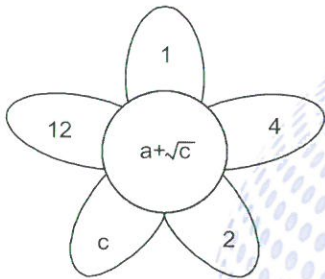


$$a+b+c = ?$$

- A) 2 B) 4 C) 6 D) 8 E) 10



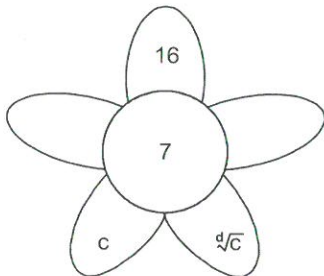
5.



$a + \sqrt{c} = ?$

- A) 1 B) 2 C) 3 D) 4 E) 5

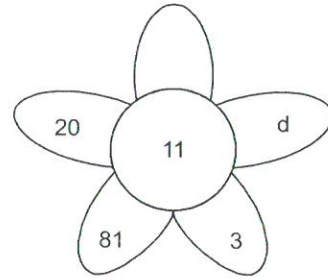
6.



$c = ?$

- A) 9 B) 8 C) 7 D) 6 E) 5

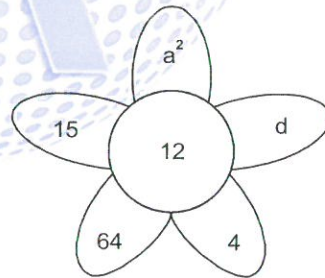
7.



$\frac{c}{a \cdot (d+b)} = ?$

- A) $\frac{13}{2}$ B) 6 C) $\frac{11}{2}$ D) 5 E) $\frac{9}{2}$

8.

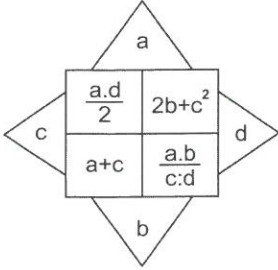


$\frac{a^2}{b+d} = ?$

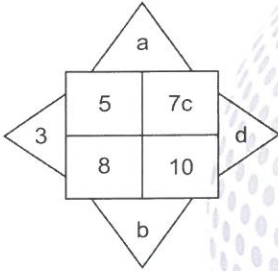
- A) 2 B) 3 C) 4 D) 5 E) 6

Cevap Anahtarı – Answer Sheet

1.B	2.A	3.A	4.D
5.E	6.A	7.E	8.A



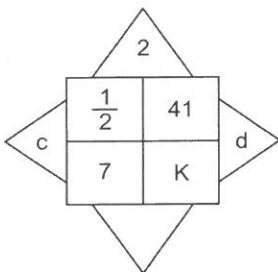
1.



$a + b + d = ?$

- A) 13 B) 12 C) 11 D) 10 E) 9

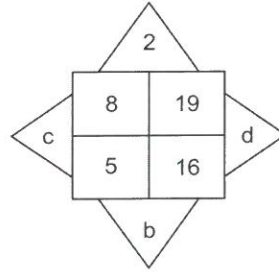
2.



$K = ?$

- A) $\frac{8}{5}$ B) $\frac{32}{5}$ C) $\frac{33}{5}$ D) $\frac{5}{32}$ E) 8

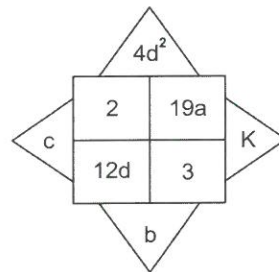
3.



$b \cdot d + c = ?$

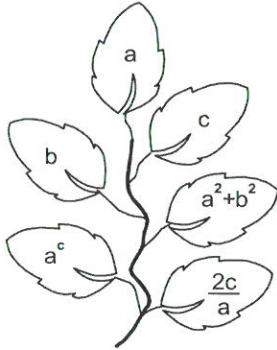
- A) 43 B) 41 C) 39 D) 37 E) 27

4.

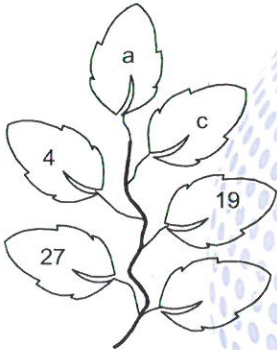


$K = ?$

- A) -1 B) 0 C) 1 D) 2 E) 4



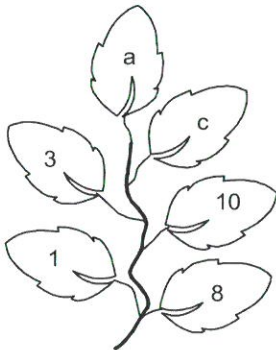
5.



$a \cdot c = ?$

- A) $6\sqrt{3}$ B) $5\sqrt{3}$ C) $4\sqrt{3}$ D) $3\sqrt{3}$ E) $\sqrt{3}$

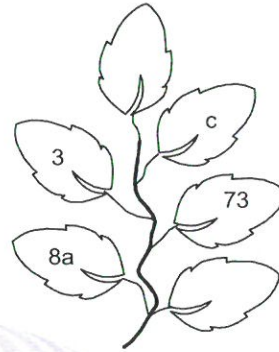
6.



$a + c = ?$

- A) 1 B) 3 C) 5 D) 6 E) 8

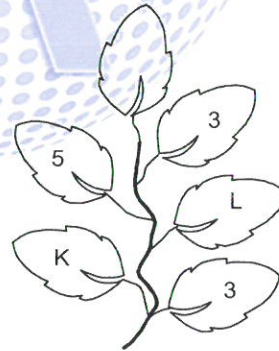
7.



$c^4 = ?$

- A) 10 B) 12 C) 14 D) 16 E) 18

8.

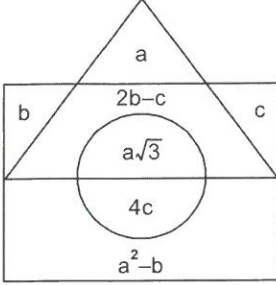


$K + L = ?$

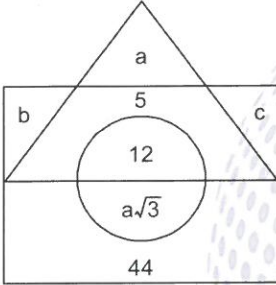
- A) 17 B) 19 C) 21 D) 35 E) 37

Cevap Anahtarı – Answer Sheet

1.D	2.A	3.A	4.C
5.A	6.C	7.D	8.E



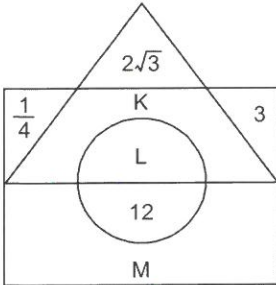
1.



$a + b + c = ?$

- A) $7 + 4\sqrt{3}$ B) $12\sqrt{3}$ C) $13\sqrt{3}$
D) $14\sqrt{3}$ E) $11 + 4\sqrt{3}$

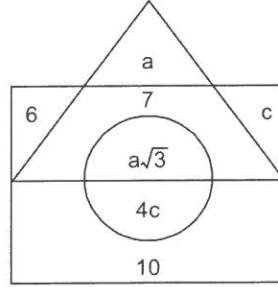
2.



$\frac{K+L}{M} = ?$

- A) $\frac{13}{47}$ B) $\frac{14}{47}$ C) $\frac{15}{47}$ D) $\frac{16}{47}$ E) $\frac{17}{47}$

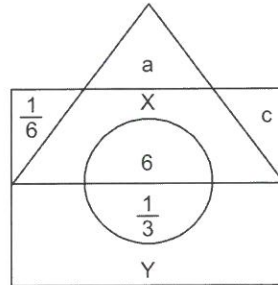
3.



$a + c = ?$

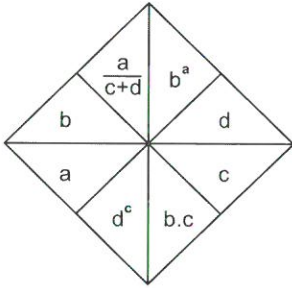
- A) 7 B) 8 C) 9 D) 10 E) 11

4.

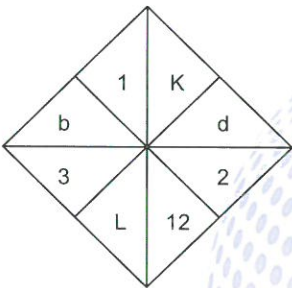


$X + Y = ?$

- A) $\frac{147}{13}$ B) $\frac{150}{13}$ C) $\frac{154}{13}$ D) $\frac{155}{12}$ E) $\frac{145}{12}$



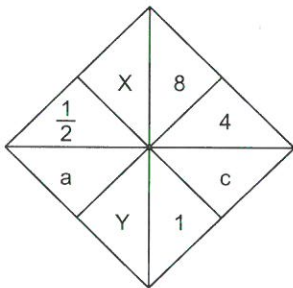
5.



$$\frac{K}{L} = ?$$

- A) 210 B) 212 C) 214 D) 216 E) 220

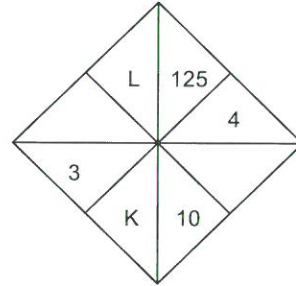
6.



$$\frac{x}{y} = ?$$

- A) $-\frac{1}{30}$ B) $-\frac{1}{32}$ C) $-\frac{1}{34}$ D) $-\frac{1}{36}$ E) $-\frac{1}{38}$

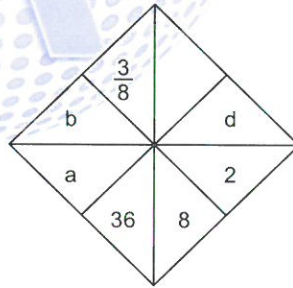
7.



$$\frac{K}{L} = ?$$

- A) 20 B) 22 C) 30 D) 32 E) 34

8.

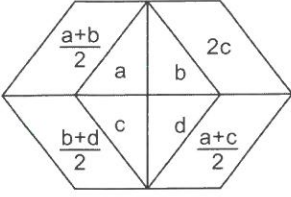


$$a + b + d = ?$$

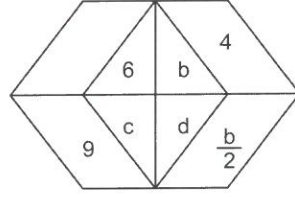
- A) 10 B) 11 C) 12 D) 13 E) 14

Cevap Anahtarı – Answer Sheet

1.A	2.B	3.C	4.E
5.D	6.B	7.D	8.D



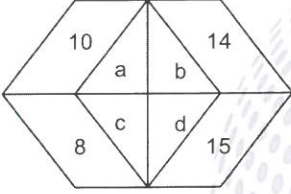
3.



$$c + b + d = ?$$

- A) 19 B) 20 C) 21 D) 22 E) 23

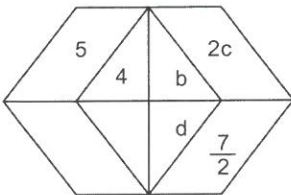
1.



$$a + b + c + d = ?$$

- A) 46 B) 44 C) 42 D) 40 E) 36

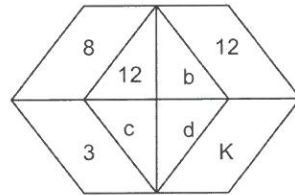
2.



$$2c - b = ?$$

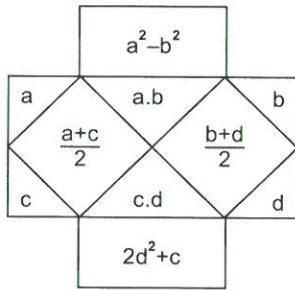
- A) -2 B) -1 C) 0 D) 1 E) 2

4.

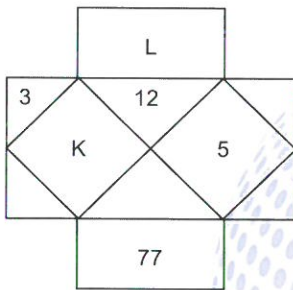


$$K = ?$$

- A) 5 B) 6 C) 7 D) 8 E) 9

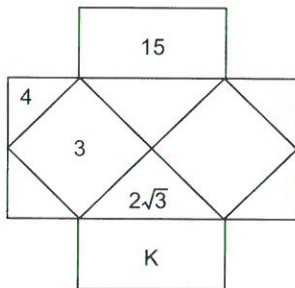


5.

 $K + L = ?$

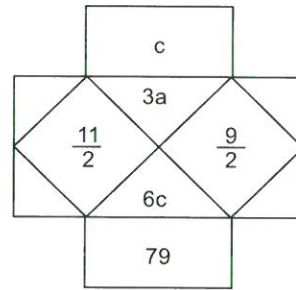
- A) -1 B) -2 C) -3 D) -4 E) -6

6.

 $K = ?$

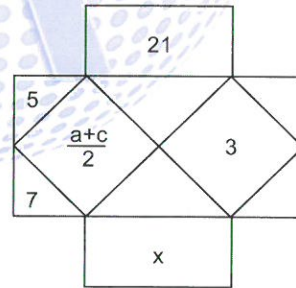
- A) 5 B) 6 C) 7 D) 8 E) 10

7.

 $c = ?$

- A) 7 B) 9 C) 11 D) 13 E) 15

8.

 $x = ?$

- A) 24 B) 29 C) 31 D) 36 E) 39

Cevap Anahtarı – Answer Sheet

1.A	2.C	3.B	4.E
5.C	6.D	7.A	8.E

16. BÖLÜM

ŞEKİL TABLOLARI







1.

⊗	⊙	△	∅	⊗	⊗	⊗
△	∅	⊗	⊗	★	△	⊙
⊗	π	∅	π	⊗	⊗	△
★	⊗	★	⊗	∅	★	★
π	★	π	△	△	π	∅
∅	△	⊙	π	⊙	⊗	⊙
π	⊗	⊙	★	★	∅	⊗

I.

K	L
M	K M

L = π

II.

M	M
L	N

M = ?

N = ?

	M	N
A)	⊗	∅
B)	★	⊗
C)	⊗	★
D)	★	∅
E)	△	⊙

2.

♥	⊗	♂	⊗	⊗	π	Σ
π	★	π	Σ	★	⊗	⊗
⊗	π	★	♂	⊗	♂	♥
♂	♂	⊗	π	Σ	★	⊗
Σ	Σ	⊗	⊗	♂	⊗	π
⊗	★	♥	♥	π	♥	★
★	♥	★	★	♥	Σ	♂

I.

K
M L
M

K = ⊗

L = ★

II.

L	K
N	M
	L

M = ?

N = ?

	M	N
A)	π	★
B)	⊗	♂
C)	π	⊗
D)	♥	Σ
E)	★	⊗



3.

♥	▷	π	ℓ	♥	ℓ
π	ℓ	▷	♥	π	▷
ℓ	♂	♂	Σ	♂	♂
Σ	♥	Σ	▷	Σ	π
♂	Σ	♥	♂	ℓ	♥
▷	ℓ	ℓ	π	▷	Σ

I.

	K	K
M	L	M

L = ♥

II.

K	K
M	N
	L

M = ?

N = ?

	M	N
A)	♥	π
B)	Σ	♂
C)	π	Σ
D)	♥	Σ
E)	Σ	π

4.

≤	↔	∃	●	Ω	Ω	≤
∃	●	≤	Ω	↗	∃	↔
Ω	★	●	★	≤	Ω	∃
↗	Ω	↗	≤	●	↗	↗
★	↗	★	∃	∃	★	●
●	∃	↔	★	↔	≤	↔
↔	≤	↔	↗	↗	●	Ω

I.

K	L
M	K

K = Ω

II.

K	N
M	M
	L

L = ?

N = ?

	L	N
A)	∃	★
B)	★	∃
C)	↔	↗
D)	●	∃
E)	★	●

Cevap Anahtarı – Answer Sheet

1.D	2.C	3.E	4.B
-----	-----	-----	-----



1.

Δ	$\heartsuit$	Σ	∞	$\emptyset$	$\Rightarrow$
$\Rightarrow$	Σ	∞	$\emptyset$	$\heartsuit$	Δ
Δ	∞	$\heartsuit$	Δ	$\Rightarrow$	Σ
$\emptyset$	$\Rightarrow$	Δ	∞	Δ	$\emptyset$
∞	$\heartsuit$	$\Rightarrow$	Δ	Σ	$\emptyset$
$\heartsuit$	∞	Δ	$\Rightarrow$	$\emptyset$	Σ



I.

K	L	M
L		
M		

$$K = \heartsuit$$

II.

	N
M	K
K	M

$$N = ?$$

$$M = ?$$

	N	M
A)	$\Rightarrow$	∞
B)	$\heartsuit$	Σ
C)	Σ	$\Rightarrow$
D)	$\Rightarrow$	Δ
E)	Δ	∞

2.

$\star$	$\emptyset$	$\square$	Δ	Σ	ℓ
ℓ	Σ	Δ	$\star$	ℓ	$\emptyset$
$\emptyset$	$\square$	Δ	$\star$	ℓ	Σ
Σ	Δ	$\star$	ℓ	$\emptyset$	$\square$
$\square$	ℓ	$\star$	Δ	$\square$	$\emptyset$
Δ	$\star$	$\emptyset$	Δ	Σ	Σ



I.

K	L
K	L

$$K = \Delta$$

II.

L	M
L	K

$$M = ?$$

$$L = ?$$

	M	L
A)	$\emptyset$	$\star$
B)	$\square$	$\emptyset$
C)	ℓ	$\star$
D)	$\star$	Δ
E)	ℓ	Σ



3.

△	□	Σ	♥	△	Σ
Σ	#	ℓ	#	♥	♥
ℓ	♥	♥	□	Σ	△
♥	ℓ	#	Σ	□	#
#	Σ	□	ℓ	#	□
□	△	△	△	♥	ℓ



I.

K	K
L	M

II.

N	K
L	M

L = ℓ

K = ?

N = ?

	K	N
A)	#	Σ
B)	ℓ	□
C)	♥	Σ
D)	Σ	□
E)	♥	ℓ

4.

☆	↗	Σ	ℌ	ℓ	♥
♥	Σ	ℌ	ℓ	☆	↗
↗	ℓ	♥	☆	Σ	ℌ
ℌ	♥	☆	ℓ	↗	Σ
Σ	↗	ℌ	♥	☆	ℓ
ℓ	ℌ	ℓ	↗	♥	☆



I.

K	L
M	K

II.

K	L
M	N

K = ♥

L = ?

N = ?

	L	N
A)	☆	Σ
B)	ℓ	ℌ
C)	☆	ℌ
D)	ℌ	♥
E)	♥	↗

Cevap Anahtarı – Answer Sheet

1.A	2.C	3.C	4.C
-----	-----	-----	-----



1.

Σ	Σ	Σ	$\heartsuit$	Σ	∇	$\otimes$
$\otimes$	$\heartsuit$	Σ	$\star$	$\otimes$	Σ	$\star$
$\heartsuit$	$\star$	$\heartsuit$	∇	Σ	$\heartsuit$	Σ
∇	$\ni$	∇	$\otimes$	∇	$\notin$	∇
$\star$	$\notin$	$\ni$	$\notin$	$\ni$	∇	Σ
$\ni$	∇	$\otimes$	∇	$\star$	$\star$	$\otimes$
$\notin$	∇	$\notin$	Σ	$\notin$	$\otimes$	Σ



I.

K	L
M	K

$$K = \Sigma$$



II.

K	L
M	N

$$M = ?$$

$$N = ?$$

	<u>M</u>	<u>N</u>
A)	$\otimes$	∇
B)	$\heartsuit$	∇
C)	$\notin$	Σ
D)	Σ	$\star$
E)	$\heartsuit$	$\otimes$

2.

$\triangle$	$\square$	Σ	$\heartsuit$	$\triangle$	Σ
Σ	$\#$	ℓ	$\#$	$\heartsuit$	$\heartsuit$
ℓ	$\heartsuit$	$\heartsuit$	$\square$	Σ	$\triangle$
$\heartsuit$	ℓ	$\#$	Σ	$\square$	$\#$
$\#$	Σ	$\square$	ℓ	$\#$	$\square$
$\square$	$\triangle$	$\triangle$	$\triangle$	$\heartsuit$	ℓ



I.

K	L
M	M

$$M = \triangle$$

$$K = \Sigma$$



II.

K	M
L	N

$$N = ?$$

$$L = ?$$

	<u>N</u>	<u>L</u>
A)	$\heartsuit$	$\triangle$
B)	$\#$	$\square$
C)	$\#$	Σ
D)	$\square$	$\#$
E)	ℓ	$\square$



3.

○	⇔	∅	□	△	♥
♥	∅	□	△	○	∅
∅	□	△	○	⇔	♥
□	⇔	♥	∅	♥	△
△	♥	∅	△	⇔	○
○	△	○	⇔	∅	□



I.

K	L
L	M

K = ♥

L = ∅



II.

M	N
N	L

M = ?

N = ?

- | | | |
|----|----------|----------|
| | <u>M</u> | <u>N</u> |
| A) | △ | ∅ |
| B) | ⇔ | △ |
| C) | ♥ | ⇔ |
| D) | ∅ | △ |
| E) | △ | ⇔ |

4.

∅	○	田	✕	↗	田	○
田	∈	↗	∅	∈	◇	↗
◇	∅	◇	○	田	○	◇
∈	田	∅	∈	○	∅	✕
✕	↗	✕	◇	∅	✕	田
○	✕	∈	田	✕	↗	∈
↗	◇	◇	↗	◇	∈	∅



I.

K	L
L	M

K = ↗

M = ∈



II.

N	L
L	K

L = ?

N = ?

- | | | |
|----|----------|----------|
| | <u>L</u> | <u>N</u> |
| A) | ✕ | ∅ |
| B) | ∅ | ↗ |
| C) | ◇ | ∅ |
| D) | ∈ | ✕ |
| E) | ✕ | ○ |

Cevap Anahtarı – Answer Sheet

1.B	2.B	3.E	4.A
-----	-----	-----	-----



1.

▷	☆	ℓ	Ω	▷	▷
℘	℘	☆	Ω	℘	ℓ
ℓ	ℓ	Ω	▷	Π	☆
☆	Ω	▷	ℓ	Ω	℘
Ω	Π	℘	Π	ℓ	Π
Π	▷	ℓ	℘	☆	Ω

I.	II.								
<table><tr><td>K</td><td>L</td></tr><tr><td>L</td><td>M</td></tr></table>	K	L	L	M	<table><tr><td>M</td><td>K</td></tr><tr><td>L</td><td>N</td></tr></table>	M	K	L	N
K	L								
L	M								
M	K								
L	N								
L = Ω	M = ?								
K = ☆	N = ?								

	M	N
A)	Ω	℘
B)	ℓ	☆
C)	Π	℘
D)	Π	▷
E)	℘	Π

2.

●	☆	⊇	◇	☆	△
◇	⊇	◇	●	◇	⇔
☆	△	△	☆	⊇	◇
△	⇔	●	△	●	☆
⊇	●	☆	⇔	△	⊇
⇔	⊇	⇔	◇	⇔	●

I.	II.								
<table><tr><td>K</td><td>L</td></tr><tr><td>L</td><td>M</td></tr></table>	K	L	L	M	<table><tr><td>K</td><td>L</td></tr><tr><td>N</td><td>M</td></tr></table>	K	L	N	M
K	L								
L	M								
K	L								
N	M								
K = ☆	M = ?								
L = △	N = ?								

	M	N
A)	⇔	◇
B)	△	☆
C)	⇔	⊇
D)	△	◇
E)	☆	⊇



3.

⊠	☆	◇	Ω	♀	⊠	⋈
◇	⊠	▲	⋈	☆	▲	♀
⋈	◇	☆	♀	⋈	◇	☆
☆	⋈	⊠	▲	⊠	☆	Ω
▲	♀	Ω	◇	◇	☆	⊠
♀	▲	⋈	☆	Ω	⋈	◇
♀	Ω	♀	◇	▲	⊠	▲

I.

K	L
M	K

L = ☆
M = ◇

II.

L	K
N	M

K = ?
N = ?

- | | K | N |
|----|---|---|
| A) | ⊠ | ◇ |
| B) | ♀ | ⋈ |
| C) | ◇ | ▲ |
| D) | ☆ | ⊠ |
| E) | ⊠ | ⋈ |

4.

☆	∅	∅	⊠	⊠	⊗	▼
⊗	☆	⇒	⇒	⊠	⊠	☆
Σ	☆	▼	◆	⇒	▼	∅
⊠	Σ	◆	▼	∅	⊗	◆
⇒	Σ	▼	⊠	☆	☆	Σ
⇒	◆	Σ	⊗	∅	▼	⊠
⊠	☆	⊠	◆	⊠	⇒	☆

I.

K	L
L	M

K = ◆
M = ⊠

II.

M	M
N	L

N = ?
L = ?

- | | N | L |
|----|---|---|
| A) | ⇒ | ▼ |
| B) | ⊠ | ⇒ |
| C) | ◆ | ▼ |
| D) | ⇒ | ⊗ |
| E) | ∅ | ⇒ |

Cevap Anahtarı – Answer Sheet

1.C	2.A	3.E	4.A
-----	-----	-----	-----



1.

♥	△	□	≤	○	♥
○	♥	○	△	□	≤
π	□	≤	○	○	△
≤	♥	△	♥	≤	≤
□	□	♥	≤	♥	□
△	○	○	□	△	○



I.

K	L
M	K

K = ♥

L = △



II.

L	M
K	N

M = ?

N = ?

	M	N
A)	□	♥
B)	π	○
C)	△	≤
D)	□	○
E)	♥	□

2.

☆	■	☆	■	□	☆	■
■	△	☆	▲	△	◐	◐
△	□	◐	□	☆	△	☆
▲	◐	▲	☆	◐	▲	◐
□	□	■	□	▲	△	☆
■	◐	■	◐	■	☆	■
◐	■	◐	△	☆	▲	△



I.

K	K
L	M

K = □

L = ■



II.

K	N
M	L

N = ?

M = ?

	N	M
A)	▲	□
B)	◐	☆
C)	▲	◐
D)	☆	■
E)	□	◐



3.

♥	✱	♂	☒	✱	π	Σ
π	☆	π	Σ	☆	✱	☒
✱	π	☆	♂	☒	♂	♥
♂	♂	✱	π	Σ	☆	✱
Σ	Σ	☒	✱	♂	☒	π
☒	☆	♥	♥	π	♥	☆
☆	♥	☆	☆	♥	Σ	♂

I.

K	L
	K
M	M

K = ✱

II.

N	L
M	P

N = ?

P = ?

	N	P
A)	π	✱
B)	☒	☆
C)	✱	π
D)	♂	☆
E)	☒	♂

4.

ℓ	∞	□	♥	△	♥
∞	□	△	△	∞	□
♥	☆	∞	□	☆	△
□	△	♥	☆	□	△
☆	♥	☆	∞	♥	∞
△	△	△	△	□	☆

I.

K	L
L	M
	K

K = ∞

II.

	M
L	M
N	K

M = ?

N = ?

	M	N
A)	△	♥
B)	∞	□
C)	☆	△
D)	□	♥
E)	△	☆

Cevap Anahtarı – Answer Sheet

1.D	2.C	3.B	4.A
-----	-----	-----	-----



1.

♥	⇔	⊗	♥	⇔	⊗	ℓ
☆	⊗	♥	△	ℓ	△	♥
△	△	ℓ	⊗	Σ	⇔	☆
ℓ	♥	⇔	☆	⊗	♥	Σ
⊗	ℓ	Σ	ℓ	△	ℓ	△
Σ	Σ	△	⇔	☆	☆	⇔
⇔	⇔	☆	Σ	♥	Σ	⊗

I.

	K	L
L	L	M

$$K = \ell$$

II.

K	M
L	N

$$M = ?$$
$$N = ?$$

	M	N
A)	ℓ	△
B)	♥	⇔
C)	△	ℓ
D)	△	⇔
E)	☆	⊗

2.

☆	∅	⇒	∅	∅	♥	≠
⊗	☆	△	⊗	⇒	⊗	⊗
△	⊗	♥	♥	≠	☆	☆
∅	♥	≠	△	♥	⊗	△
△	≠	⊗	⇒	△	⇒	≠
≠	⇒	∅	♥	⊗	△	♥
♥	△	☆	≠	⇒	△	♥

I.

	K
L	K
K	M

$$L = \triangle$$

II.

M	K
L	
L	N

$$K = ?$$
$$N = ?$$

	K	N
A)	♥	∅
B)	∅	♥
C)	≠	⊗
D)	△	⇒
E)	≠	♥



3.

✕	△	○	☆	♥	#
#	○	☆	♥	✕	△
△	#	♥	✕	△	○
○	♥	☆	♥	○	#
△	#	✕	☆	△	○
✕	△	☆	♥	#	✕

I.

K	L
	M
M	L

L = ☆

II.

M	K
L	
M	N

M = ?

N = ?

- | | | |
|----|---|---|
| | M | N |
| A) | ♥ | △ |
| B) | ☆ | # |
| C) | ♥ | # |
| D) | △ | ♥ |
| E) | ☆ | ♥ |

4.

⇒	Σ	△	☆	⇒	△	☆
ℓ	△	☆	ℓ	Σ	↷	Σ
△	ℓ	⇒	↷	☆	⇒	△
☆	⇒	Σ	△	↷	ℓ	ℓ
↷	↷	↗	⇒	☆	↗	↷
↗	↗	↷	Σ	↗	↷	⇒
Σ	☆	ℓ	↗	⇒	☆	↗

I.

K	K	L
L	L	
M		

K = ↷

II.

N	K
P	
M	

N = ?

P = ?

- | | | |
|----|---|---|
| | N | P |
| A) | ☆ | ⇒ |
| B) | △ | ⇒ |
| C) | ↗ | ↷ |
| D) | △ | ☆ |
| E) | ⇒ | ↗ |

Cevap Anahtarı – Answer Sheet

1.D	2.E	3.C	4.B
-----	-----	-----	-----



1.

☑	⌘	⇒	Π	♥	Σ	⌘
⇒	Π	♥	Σ	☆	♥	⇒
⌘	⇒	Π	⇒	☑	Π	Σ
Π	Σ	☆	⌘	♥	⌘	☑
☆	♥	☑	☆	⇒	☆	♥
♥	☑	Σ	☑	Π	Π	☑
Σ	Π	Π	⇒	⌘	♥	Π

I.

K	L
M	
L	M

L = ⌘

II.

M	
L	
N	M

M = ?
N = ?

	M	N
A)	⇒	♥
B)	⌘	☆
C)	♥	Σ
D)	⇒	☆
E)	Σ	⌘

2.

Σ	Δ	○	×	□	≥
≥	Σ	○	□	Δ	Δ
×	□	Δ	○	Σ	≥
≥	○	Σ	Δ	□	×
□	□	○	Δ	Σ	Δ
Δ	Δ	○	×	≥	□

I.

K	L	M
	L	

L = ○

II.

M	L
N	M

N = ?
M = ?

	N	M
A)	Σ	Δ
B)	○	□
C)	≥	Δ
D)	Σ	○
E)	□	≥



3.

☆	☒	♥	△	♥	△	☒
●	△	◐	●	●	☒	♥
△	●	☆	☒	♥	◐	□
□	◐	△	☆	●	♥	△
☒	♥	☒	♥	☆	△	□
♥	☆	●	◐	☒	●	☒
◐	□	♥	●	△	□	●

I.

K	L	K
	M	M

M = ●

II.

N	M
P	K
	M

P = ?

N = ?

	P	N
A)	☒	☆
B)	□	△
C)	☆	◐
D)	●	☒
E)	□	☆

4.

△	#	□	∅	◇	#	◀
#	∅	◀	◇	△	#	△
∅	□	△	#	□	☆	◇
☆	◀	◇	☆	∅	△	#
◇	☆	∅	□	#	◀	□
□	△	☆	◀	∅	◇	∅
◀	□	#	△	☆	∅	☆

I.

	K
K	L
L	M

K = #

II.

	K
N	K
M	

N = ?

M = ?

	N	M
A)	#	∅
B)	△	□
C)	◇	◀
D)	☆	#
E)	∅	△

Cevap Anahtarı – Answer Sheet

1.D	2.A	3.E	4.B
-----	-----	-----	-----



1.

♥	△	□	○	×	⇔
⇔	♥	○	×	△	□
□	○	♥	×	⇔	△
△	×	♥	□	⇔	○
○	×	⇔	×	△	♥
♥	□	×	⇔	○	△

I.

K	L
M	L
M	

L = ♥

II.

P	
N	L
K	N

N = ?

P = ?

	N	P
A)	×	□
B)	△	⇔
C)	○	♥
D)	□	⇔
E)	△	△

2.

⌘	↗	Σ	ℓ	♥	∅
∅	Σ	ℓ	♥	↗	⌘
ℓ	⌘	♥	↗	⌘	Σ
Σ	↗	∅	ℓ	♥	⌘
♥	ℓ	⌘	Σ	Σ	↗
↗	⌘	♥	Σ	♥	♥

I.

K	
K	L L

K = Σ

II.

M	
M	K
L	M

M = ?

L = ?

	M	L
A)	⌘	∅
B)	♥	ℓ
C)	ℓ	♥
D)	↗	Σ
E)	⌘	♥



3.

☆	⊗	□	△	⊗	Σ	△
Σ	▼	Σ	□	△	ℓ	⊗
⊗	□	⊗	△	Σ	ℓ	□
□	☆	▼	Σ	▼	⊗	⊗
△	Σ	ℓ	⊗	□	△	□
ℓ	□	☆	▼	△	⊗	□
▼	ℓ	Σ	□	ℓ	Σ	▼

I.

K	L
M	N
L	K

K = ⊗
L = □

II.

P	K	L
T	N	M

P = ?
T = ?

	P	T
A)	△	ℓ
B)	⊗	□
C)	▼	ℓ
D)	△	Σ
E)	ℓ	⊗

4.

Σ	△	○	×	□	≥
≥	Σ	○	□	△	△
×	□	△	○	Σ	≥
≥	○	Σ	△	□	×
□	□	○	△	Σ	△
△	△	○	×	≥	□

I.

	K	L
M	M	K

K = ○

II.

M	N
K	L

M = ?
N = ?

	M	N
A)	□	Σ
B)	≥	△
C)	□	△
D)	△	○
E)	×	□

Cevap Anahtarı – Answer Sheet

1.B	2.E	3.A	4.C
-----	-----	-----	-----



1.

♥	≤	☆	π	≤	♥
≤	♥	π	♥	☆	π
π	☆	⊕	☆	☆	≤
⊕	⊕	⊕	≤	⊕	⊕
☆	≤	♥	⊕	π	↔
↔	π	↔	↔	♥	☆

I.

K	L	K
	M	
	M	

K = ♥

II.

M	M
L	N
K	

L = ?

N = ?

	L	N
A)	♥	☆
B)	π	↔
C)	≤	π
D)	⊕	↔
E)	π	⊕

2.

∅	⊃	☑	♥	□	∂	♥
∂	☑	∅	♥	∅	▷	▷
♥	⊃	▷	☑	⊃	□	∅
⊃	▷	□	□	∂	⊃	▷
☑	□	♥	⊃	☑	♥	□
▷	♥	∂	▷	▷	∅	☑
□	∂	∂	∅	▷	☑	∂

I.

K	L
L	M

L = ♥

II.

M	L
N	N

M = ?

N = ?

	M	N
A)	∂	▷
B)	∅	⊃
C)	∂	□
D)	♥	☑
E)	□	▷



3.

♥	△	□	○	×	⇔
⇔	♥	○	×	△	□
□	○	♥	×	⇔	△
△	×	♥	□	⇔	○
○	×	⇔	×	△	♥
♥	□	×	⇔	○	△



I.

K	L
L	K
M	

K = ♥

II.

N	L
	K
L	

N = ?

L = ?

	N	L
A)	△	□
B)	⇔	○
C)	×	○
D)	⇔	□
E)	×	⇔

4.

π	≥	⊗	●	□	△
⊗	□	π	π	⊗	●
≥	△	≥	△	≥	π
□	π	□	⊗	△	□
△	●	●	≥	△	⊗
●	⊗	△	□	π	≥



I.

K	L	K
	M	M

M = ●

II.

M	K	N
P	M	

N = ?

P = ?

	N	P
A)	≥	△
B)	□	⊗
C)	●	△
D)	△	≥
E)	△	⊗

Cevap Anahtarı – Answer Sheet

1.B	2.A	3.B	4.E
-----	-----	-----	-----



1.

∅	⊗	↗	⊗	▷	▷	⊗
⊗	⊗	▷	∅	∅	⊗	▷
▷	∅	⊗	▷	▷	∅	↗
↗	▷	⊗	⊗	⊗	⊗	⊗
⊗	↗	∅	▷	↗	▷	▷
⊗	↗	↗	∅	↗	⊗	∅
⊗	⊗	⊗	⊗	∅	▷	∅

I.

K	K
L	M
	L

K = ⊗

II.

L	M
K	N
	L

M = ?
N = ?

	M	N
A)	↗	▷
B)	∅	⊗
C)	⊗	↗
D)	▷	⊗
E)	∅	↗

2.

♥	▷	π	ℓ	♥	ℓ
π	ℓ	▷	♥	π	▷
ℓ	♂	♂	Σ	♂	♂
Σ	♥	Σ	▷	Σ	π
♂	Σ	♥	♂	ℓ	♥
▷	ℓ	ℓ	π	▷	Σ

I.

K	M
	K
L	L

L = ♂

II.

M	K
L	
N	

M = ?
N = ?

	M	N
A)	π	Σ
B)	♂	♥
C)	ℓ	Σ
D)	▷	ℓ
E)	π	▷



3.

✕	△	○	☆	♥	#
#	○	☆	♥	✕	△
△	#	♥	✕	△	○
○	♥	☆	♥	○	#
△	#	✕	☆	△	○
✕	△	☆	♥	#	✕



I.

K	L
	K
L	M

K = #

II.

N	L
L	K

L = ?

N = ?

- | | | |
|----|----------|----------|
| | <u>L</u> | <u>N</u> |
| A) | ☆ | △ |
| B) | # | ♥ |
| C) | ○ | △ |
| D) | ✕ | ○ |
| E) | ○ | # |

4.

✕	✕	↶	Σ	ℓ	△	☆
☆	✕	Σ	△	↶	♥	✕
↶	△	△	↶	♥	ℓ	↶
ℓ	Σ	♥	△	✕	↶	↶
△	ℓ	☆	☆	ℓ	✕	☆
♥	↶	ℓ	✕	△	Σ	☆
Σ	♥	ℓ	☆	♥	☆	△



I.

K	L
M	M
L	

L = Σ

II.

L	
M	N
N	

M = ?

N = ?

- | | | |
|----|----------|----------|
| | <u>M</u> | <u>N</u> |
| A) | △ | ♥ |
| B) | Σ | ↶ |
| C) | ✕ | ☆ |
| D) | △ | ↶ |
| E) | ♥ | ✕ |

Cevap Anahtarı – Answer Sheet

1.B	2.A	3.C	4.D
-----	-----	-----	-----



1.

☒	⊙	△	∅	☒	☒	☒
△	∅	☒	☒	☆	△	⊙
☒	Π	∅	Π	☒	☒	△
☆	☒	☆	☒	∅	☆	☆
Π	☆	Π	△	△	Π	∅
∅	△	⊙	Π	⊙	☒	⊙
Π	☒	⊙	☆	☆	∅	☒

I.

L	M	L
K		

K = ☒

II.

N	K
P	N

N = ?

P = ?

- | | | |
|----|---|---|
| | N | P |
| A) | Π | ⊙ |
| B) | ∅ | ☆ |
| C) | ☆ | Π |
| D) | ⊙ | ☒ |
| E) | ∅ | Π |

2.

☒	△	☆	☒	ℓ	△
△	≥	☒	♥	≥	ℓ
≥	☆	△	ℓ	△	☒
☆	☒	ℓ	≥	☆	☆
♥	♥	☒	△	♥	≥
ℓ	ℓ	≥	☆	☒	♥

I.

K
K L
M M

M = ♥

II.

K	K
M	N

K = ?

N = ?

- | | | |
|----|---|---|
| | K | N |
| A) | ☆ | △ |
| B) | ℓ | ♥ |
| C) | ☆ | ≥ |
| D) | △ | ℓ |
| E) | ♥ | ≥ |



3.

◇	ℓ	⊗	Σ	⊗	◇	ℓ
△	△	⊗	◇	Σ	⊗	◇
⊗	◇	ℓ	⊗	⇔	△	⊗
⊗	⇔	△	ℓ	⊗	⇔	⊗
Σ	Σ	ℓ	⇔	⊗	◇	Σ
⇔	⊗	Σ	△	ℓ	ℓ	Σ
ℓ	⊗	⇔	◇	△	Σ	⇔

I.

K	K
	L
L	K

L = ⊗

II.

M	L
	K
	K

K = ?

M = ?

	K	M
A)	△	◇
B)	Σ	⇔
C)	ℓ	◇
D)	△	ℓ
E)	◇	Σ

4.

≤	⇔	⇒	●	Ω	Ω	≤
⇒	●	≤	Ω	↗	⇒	⇔
Ω	☆	●	☆	≤	Ω	⇒
↗	Ω	↗	≤	●	↗	↗
☆	↗	☆	⇒	⇒	☆	●
●	⇒	⇔	☆	⇔	≤	⇔
⇔	≤	⇔	↗	↗	●	Ω

I.

K	L
L	M
L	L

L = ⇔

II.

N	M
K	L

N = ?

M = ?

	N	M
A)	Ω	⇔
B)	☆	Ω
C)	↗	≤
D)	●	☆
E)	Ω	≤

Cevap Anahtarı – Answer Sheet

1.E	2.C	3.A	4.E
-----	-----	-----	-----



1.

☑	⌘	⇒	Π	♥	Σ	⌘
⇒	Π	♥	Σ	☆	♥	⇒
⌘	⇒	Π	⇒	☑	Π	Σ
Π	Σ	☆	⌘	♥	⌘	☑
☆	♥	☑	☆	⇒	☆	♥
♥	☑	Σ	☑	Π	Π	☑
Σ	Π	Π	⇒	⌘	♥	Π

I.

K	L
M	K L

K = ⇒

II.

N
K
P L

N = ?
P = ?
L = ?

	N	P	L
A)	♥	☑	Π
B)	Π	☑	⇒
C)	☆	Σ	Π
D)	♥	☆	♥
E)	⇒	Σ	⌘

2.

∅	☒	↗	☒	▷	▷	☒
☒	☒	▷	∅	∅	☒	▷
▷	∅	☒	▷	▷	∅	↗
↗	▷	⌘	⌘	☒	⌘	☒
⌘	↗	∅	▷	↗	▷	▷
⌘	↗	↗	∅	↗	⌘	∅
☒	⌘	☒	☒	∅	▷	∅

I.

K	L	M
M	K	

M = ⌘

II.

		K
N	M	
	P	P

N = ?
P = ?
K = ?

	N	P	K
A)	☒	⌘	▷
B)	∅	↗	▷
C)	↗	▷	☒
D)	▷	∅	↗
E)	☒	▷	↗



3.

↗	↗	↶	Σ	ℓ	Δ	☆
☆	↗	Σ	Δ	↶	♥	↗
↶	Δ	Δ	↶	☆	ℓ	↶
ℓ	Σ	♥	Δ	↗	↶	↶
Δ	ℓ	☆	☆	ℓ	↗	☆
♥	↶	ℓ		Δ	Σ	☆
Σ	♥	ℓ	☆	♥	☆	Δ

I.

K	M
K	N
L	L

$$K = \nwarrow$$

II.

K
P K
L

$$L = ?$$

$$P = ?$$

	L	P
A)	Δ	ℓ
B)	↗	Δ
C)	♥	ℓ
D)	☆	↶
E)	Δ	Σ

4.

☆	∅	∅	⊠	⊠	⊗	▼
⊗	☆	⇒	⇒	⊠	⊠	☆
Σ	☆	▼	◆	⇒	▼	∅
⊠	Σ	◆	▼	∅	⊗	◆
⇒	Σ	▼	⊠	☆	☆	Σ
⇒	◆	Σ	⊗	∅	▼	⊠
⊠	☆	⊠	◆	⊠	⇒	☆

I.

K	L
K	M L

$$L = \Sigma$$

II.

N	M
P	L

$$N = ?$$

$$P = ?$$

$$M = ?$$

	N	P	M
A)	⊗	⊠	∅
B)	▼	⊗	◆
C)	⊗	☆	◆
D)	∅	Σ	☆
E)	⇒	☆	⊠

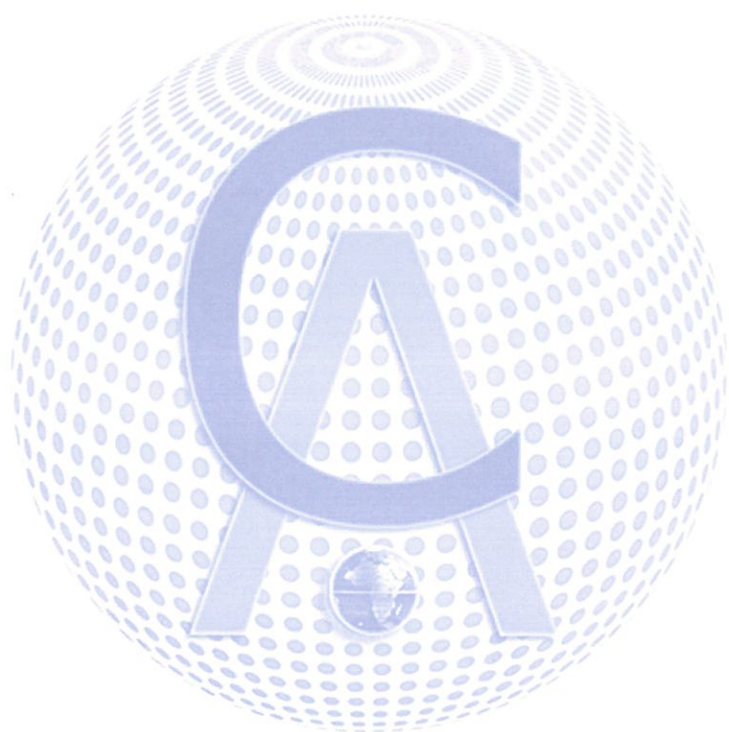
Cevap Anahtarı – Answer Sheet

1.A	2.E	3.A	4.C
-----	-----	-----	-----

17. BÖLÜM

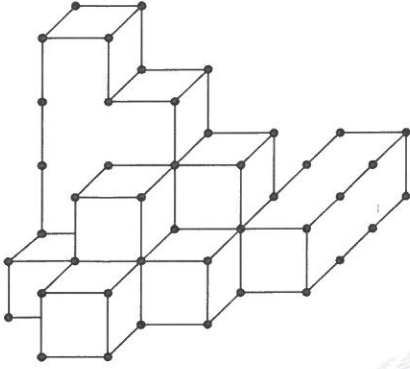
KÜP SAYMA





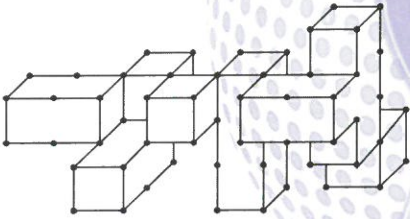


1.



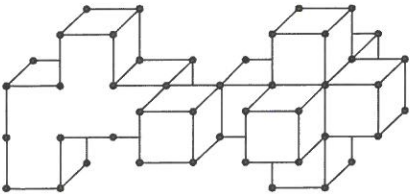
A) 16 B) 17 C) 18 D) 19 E) 20

2.



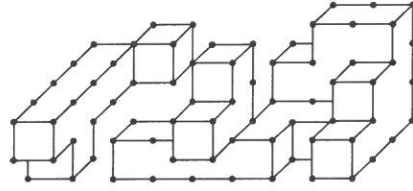
A) 13 B) 14 C) 15 D) 16 E) 17

3.



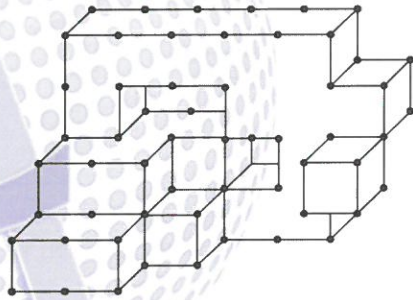
A) 12 B) 13 C) 14 D) 15 E) 16

4.



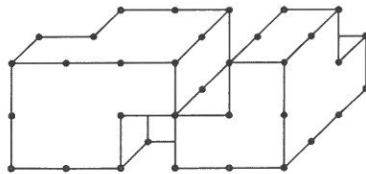
A) 22 B) 23 C) 24 D) 25 E) 26

5.



A) 24 B) 25 C) 26 D) 27 E) 28

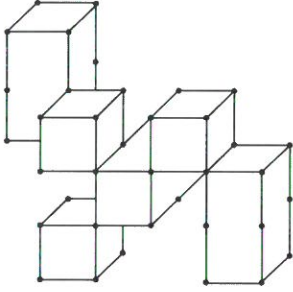
6.



A) 15 B) 16 C) 17 D) 18 E) 19

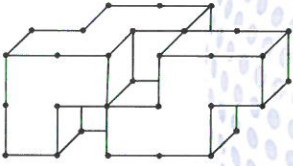


7.



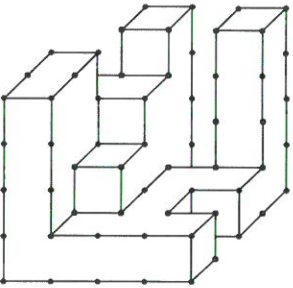
A) 7 B) 8 C) 9 D) 10 E) 11

8.



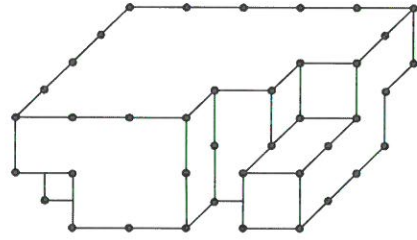
A) 10 B) 11 C) 12 D) 13 E) 14

9.



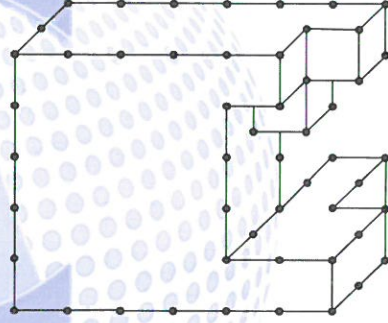
A) 30 B) 31 C) 32 D) 33 E) 34

10.



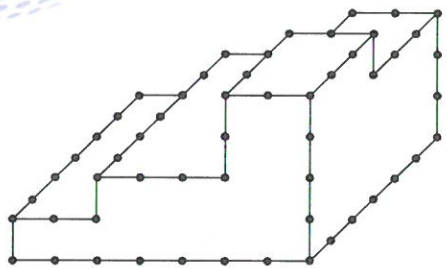
A) 29 B) 30 C) 31 D) 32 E) 33

11.



A) 49 B) 50 C) 51 D) 52 E) 53

12.



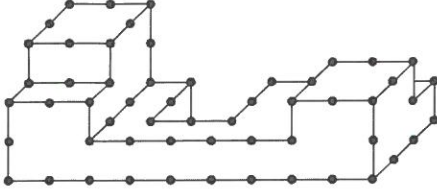
A) 86 B) 88 C) 90 D) 92 E) 94

Cevap Anahtarı – Answer Sheet

1.B	2.C	3.B	4.E	5.C	6.B
7.C	8.B	9.A	10.B	11.B	12.C

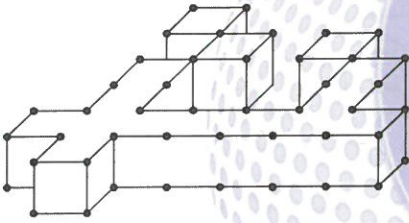


1.



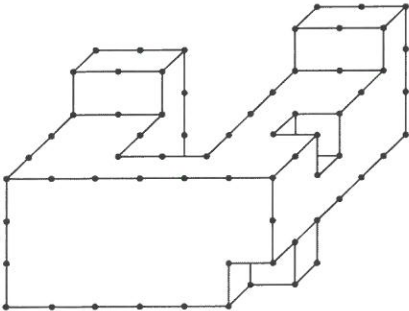
A) 34 B) 35 C) 36 D) 37 E) 38

2.



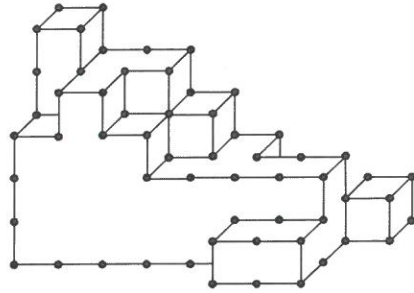
A) 14 B) 15 C) 16 D) 17 E) 18

3.



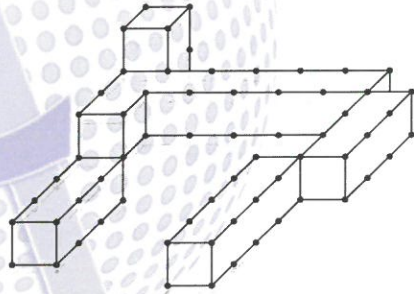
A) 52 B) 54 C) 56 D) 58 E) 60

4.



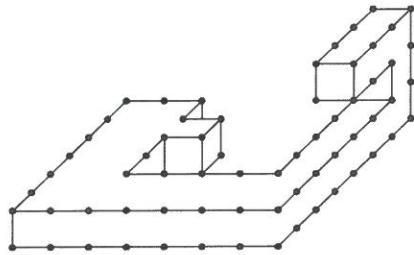
A) 43 B) 42 C) 41 D) 40 E) 39

5.



A) 18 B) 19 C) 20 D) 21 E) 22

6.



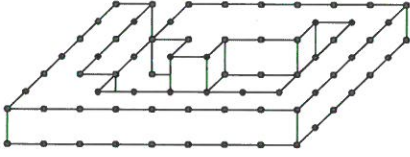
A) 29 B) 30 C) 31 D) 32 E) 33



KÜP SAYMA

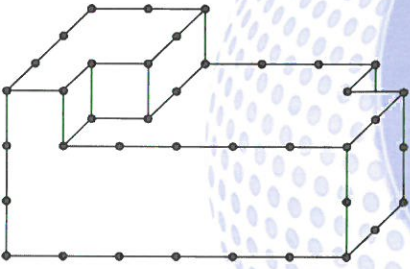
TEST – 2

7.



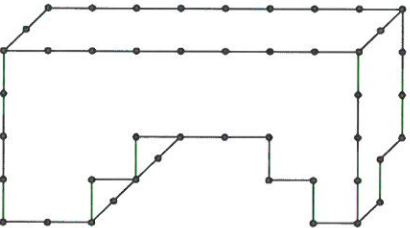
A) 27 B) 28 C) 29 D) 30 E) 31

8.



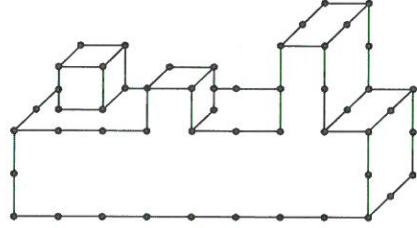
A) 36 B) 37 C) 38 D) 39 E) 40

9.



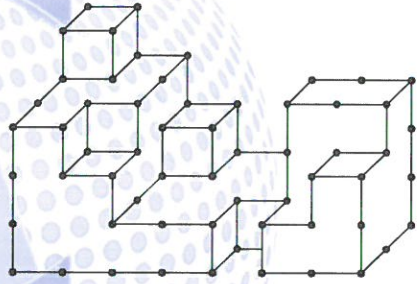
A) 45 B) 46 C) 47 D) 48 E) 49

10.



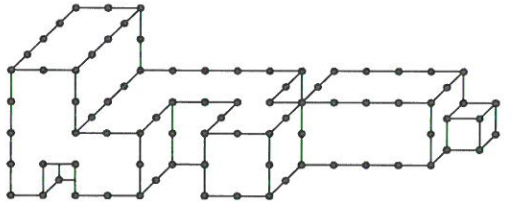
A) 36 B) 37 C) 38 D) 39 E) 40

11.



A) 28 B) 30 C) 32 D) 34 E) 36

12.



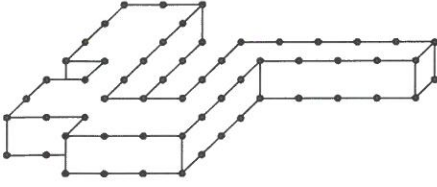
A) 76 B) 78 C) 80 D) 82 E) 84

Cevap Anahtarı – Answer Sheet

1.D	2.B	3.D	4.E	5.B	6.D
7.C	8.D	9.C	10.C	11.E	12.E

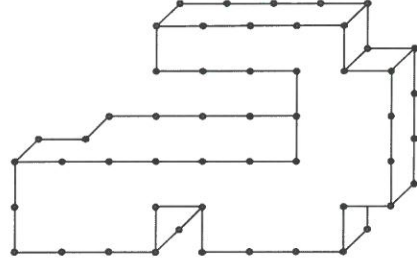


1.



A) 20 B) 24 C) 28 D) 32 E) 36

4.



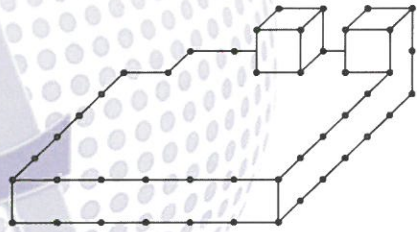
A) 28 B) 29 C) 30 D) 31 E) 32

2.



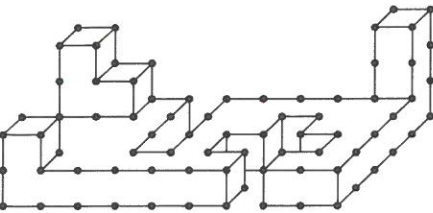
A) 63 B) 60 C) 58 D) 56 E) 55

5.



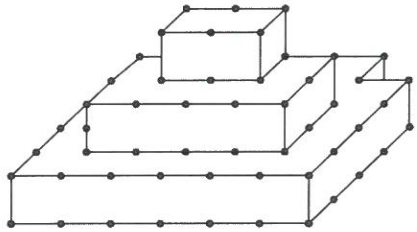
A) 31 B) 33 C) 35 D) 37 E) 39

3.



A) 38 B) 37 C) 36 D) 35 E) 34

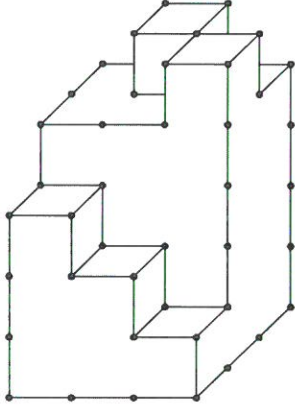
6.



A) 39 B) 41 C) 42 D) 43 E) 45

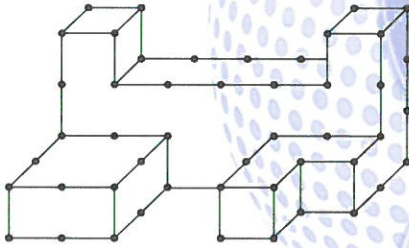


7.



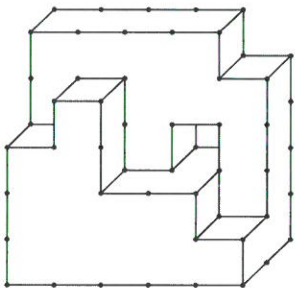
A) 38 B) 36 C) 34 D) 32 E) 30

8.



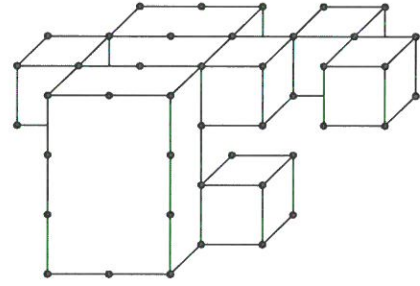
A) 19 B) 20 C) 21 D) 22 E) 23

9.



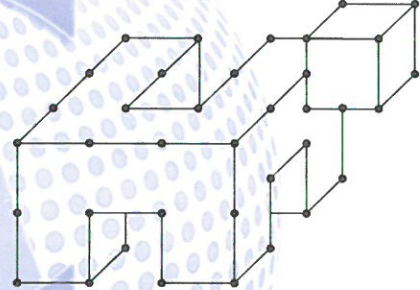
A) 29 B) 30 C) 31 D) 33 E) 35

10.



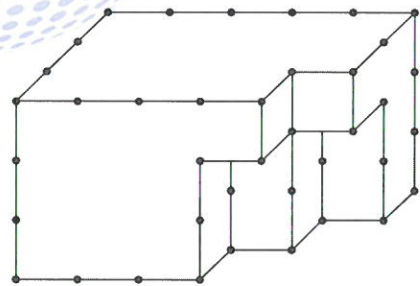
A) 8 B) 9 C) 13 D) 16 E) 19

11.



A) 7 B) 9 C) 11 D) 12 E) 15

12.



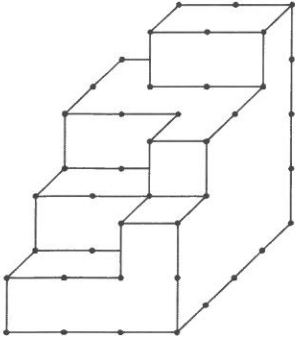
A) 46 B) 44 C) 42 D) 40 E) 38

Cevap Anahtarı – Answer Sheet

1.B	2.E	3.D	4.D	5.D	6.A
7.D	8.C	9.E	10.C	11.D	12.E

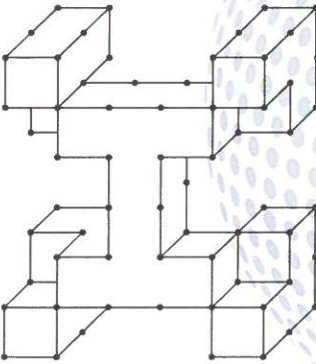


1.



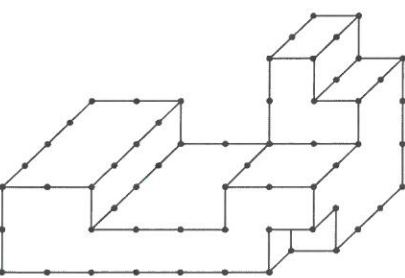
A) 30 B) 31 C) 32 D) 33 E) 34

2.



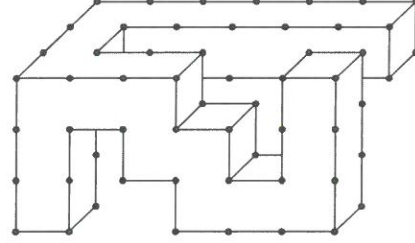
A) 20 B) 21 C) 22 D) 23 E) 24

3.



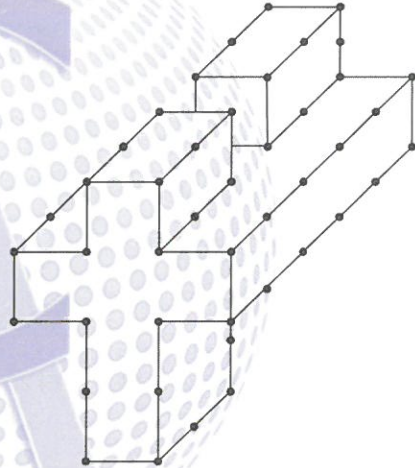
A) 48 B) 49 C) 50 D) 51 E) 52

4.



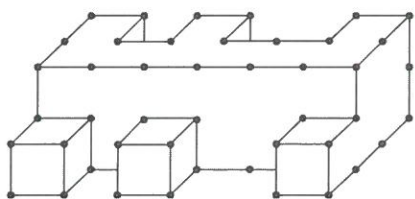
A) 19 B) 20 C) 21 D) 22 E) 23

5.



A) 22 B) 23 C) 24 D) 25 E) 26

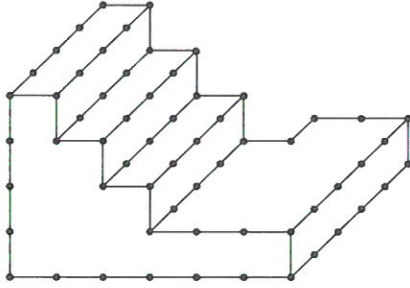
6.



A) 24 B) 23 C) 22 D) 21 E) 20

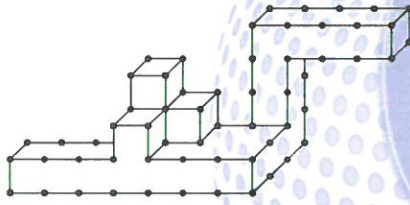


7.



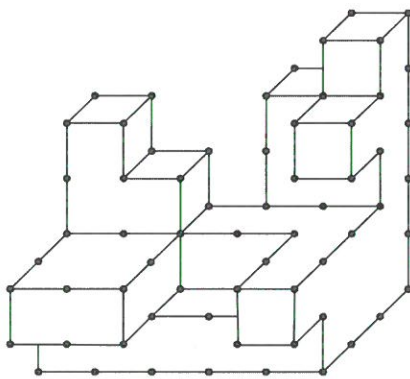
A) 58 B) 56 C) 54 D) 52 E) 50

8.



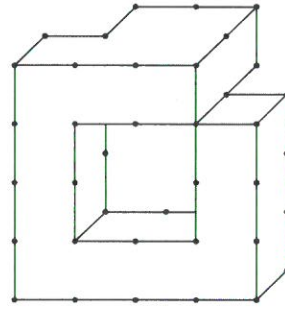
A) 18 B) 19 C) 20 D) 21 E) 22

9.



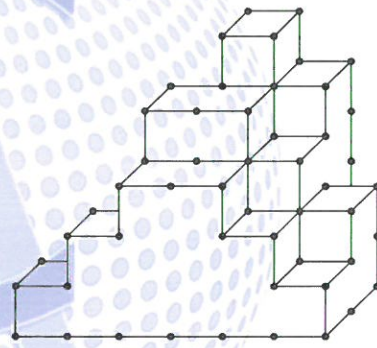
A) 30 B) 32 C) 34 D) 36 E) 38

10.



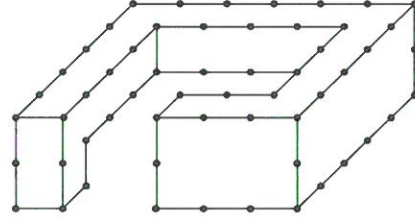
A) 13 B) 15 C) 17 D) 19 E) 20

11.



A) 31 B) 32 C) 34 D) 36 E) 37

12.



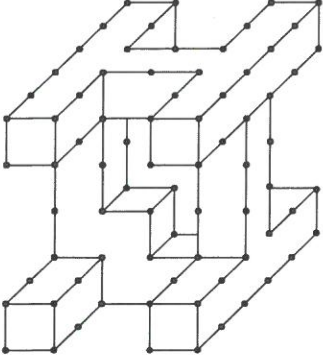
A) 22 B) 23 C) 24 D) 25 E) 26

Cevap Anahtarı – Answer Sheet

1.B	2.A	3.B	4.A	5.B	6.D
7.E	8.E	9.C	10.A	11.C	12.C

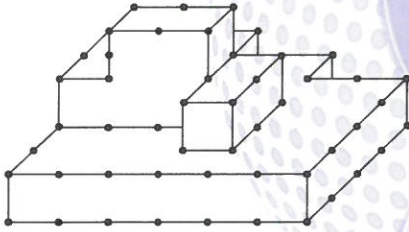


1.



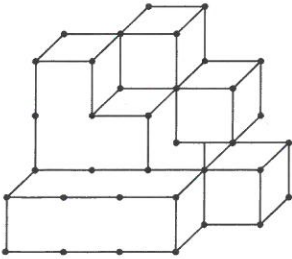
A) 28 B) 29 C) 30 D) 31 E) 32

2.



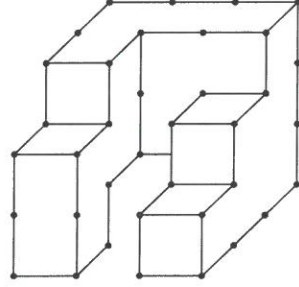
A) 34 B) 36 C) 38 D) 40 E) 42

3.



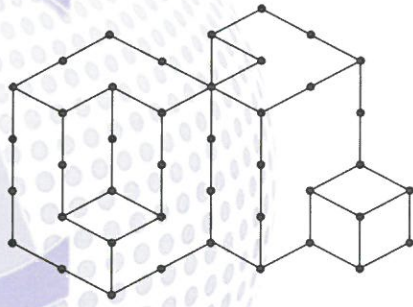
A) 17 B) 16 C) 15 D) 14 E) 13

4.



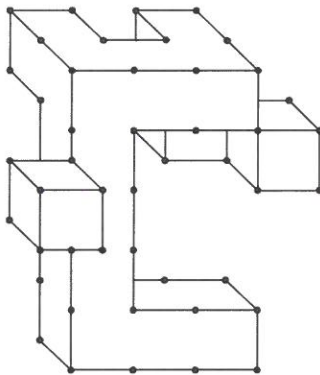
A) 14 B) 15 C) 16 D) 17 E) 18

5.



A) 14 B) 16 C) 18 D) 20 E) 22

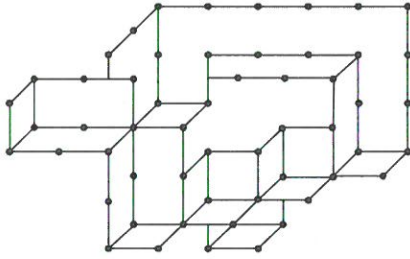
6.



A) 18 B) 17 C) 16 D) 15 E) 14

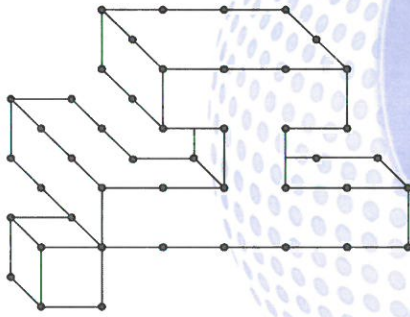


7.



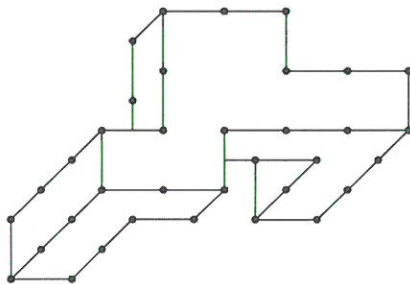
A) 15 B) 16 C) 17 D) 18 E) 19

8.



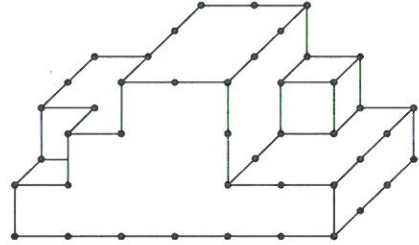
A) 22 B) 20 C) 18 D) 16 E) 15

9.



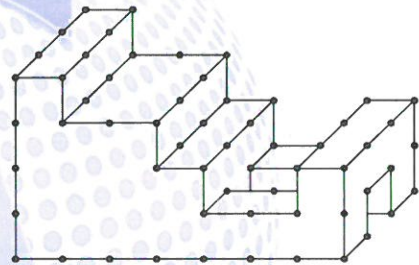
A) 12 B) 14 C) 15 D) 16 E) 18

10.



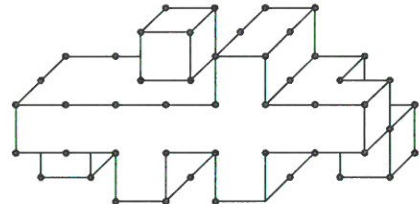
A) 30 B) 32 C) 34 D) 36 E) 38

11.



A) 45 B) 44 C) 43 D) 42 E) 41

12.



A) 21 B) 22 C) 23 D) 24 E) 25

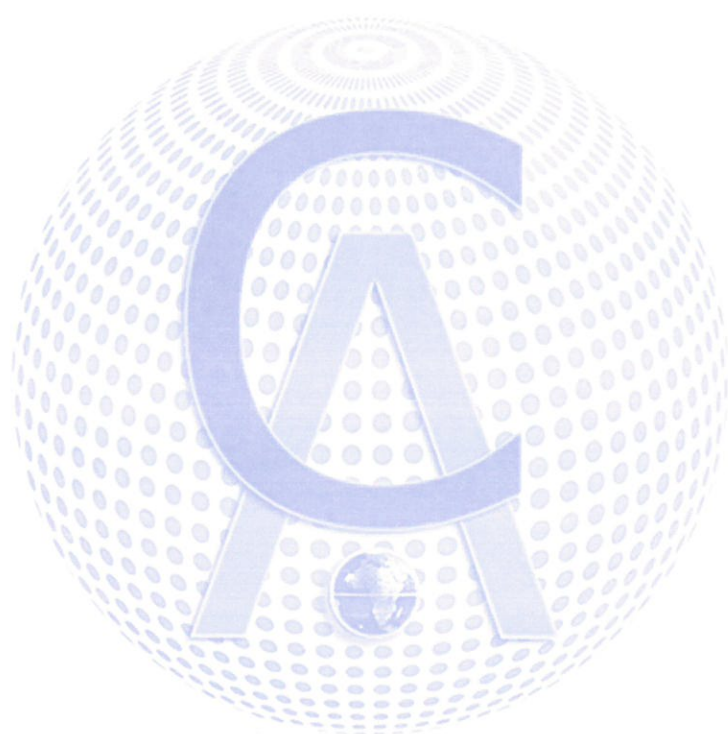
Cevap Anahtarı – Answer Sheet

1.D	2.C	3.E	4.A	5.D	6.E
7.C	8.E	9.A	10.D	11.A	12.B

18. BÖLÜM

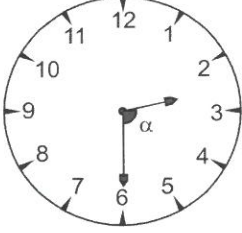
SAATLER







1.

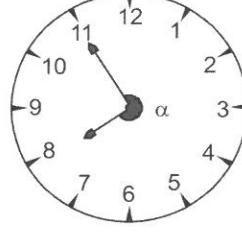


14 : 30

 $\alpha = ?^\circ$

A) 105 B) 110 C) 115 D) 120 E) 125

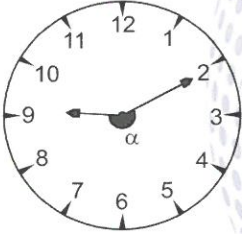
4.



19 : 55

 $\alpha = ?^\circ$ A) 210,5 B) 215,5 C) 232,5
D) 254,5 E) 267,5

2.

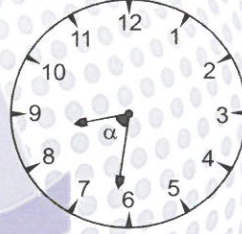


09 : 10

 $\alpha = ?^\circ$

A) 200 B) 210 C) 215 D) 220 E) 225

5.

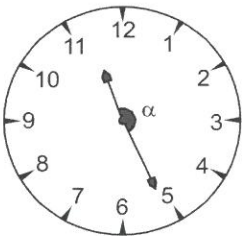


20 : 32

 $\alpha = ?^\circ$

A) 64 B) 82 C) 110 D) 115 E) 117

3.

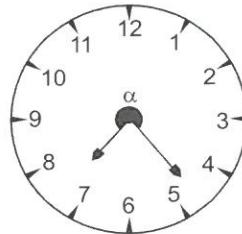


11 : 26

 $\alpha = ?^\circ$

A) 176 B) 180 C) 183 D) 187 E) 190

6.

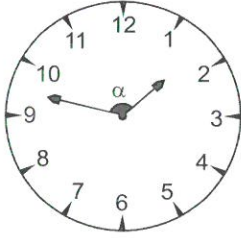


07 : 23

 $\alpha = ?^\circ$ A) 215,5 B) 227,5 C) 235,5
D) 264,5 E) 276,5



7.



13 : 47

 $\alpha = ?^\circ$

A) 130,5

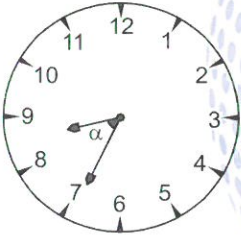
B) 131,5

C) 134,5

D) 135,5

E) 136

8.



20 : 34

 $\alpha = ?^\circ$

A) 50

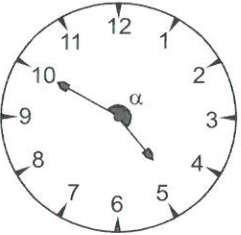
B) 51

C) 52

D) 53

E) 54

9.



16 : 50

 $\alpha = ?^\circ$

A) 200

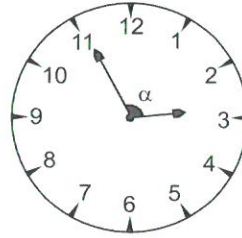
B) 205

C) 210

D) 215

E) 225

10.



14 : 55

 $\alpha = ?^\circ$

A) 110

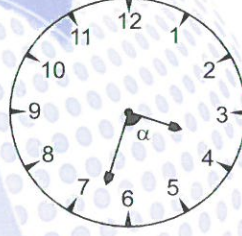
B) 112,5

C) 115

D) 117,5

E) 119

11.



15 : 33

 $\alpha = ?^\circ$

A) 90

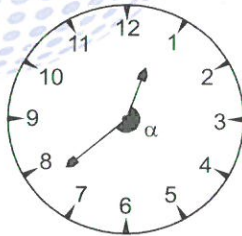
B) 91

C) 91,5

D) 92

E) 92,5

12.



12 : 39

 $\alpha = ?^\circ$

A) 220

B) 217,5

C) 215,5

D) 214,5

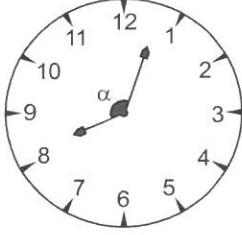
E) 212,5

Cevap Anahtarı – Answer Sheet

1.A	2.C	3.D	4.E	5.A	6.E
7.B	8.D	9.B	10.D	11.C	12.D



1.



20 : 03

 $\alpha = ?^\circ$

A) 140,5

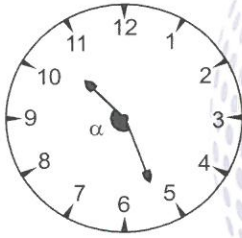
B) 139,5

C) 136,5

D) 135,5

E) 133,5

2.



10 : 26

 $\alpha = ?^\circ$

A) 150

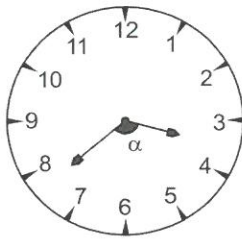
B) 151

C) 154

D) 157

E) 160

3.



15 : 39

 $\alpha = ?^\circ$

A) 112

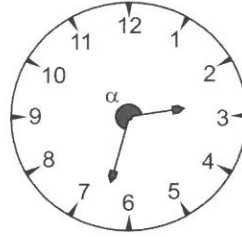
B) 112,5

C) 113

D) 114

E) 124,5

4.



14 : 32

 $\alpha = ?^\circ$

A) 220

B) 226

C) 232

D) 238

E) 244

5.



09 : 23

 $\alpha = ?^\circ$

A) 101,5

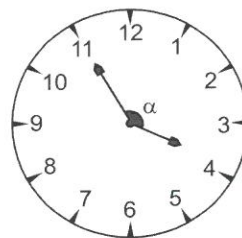
B) 104,5

C) 109,5

D) 115,5

E) 143,5

6.



15 : 55

 $\alpha = ?^\circ$

A) 145,5

B) 147,5

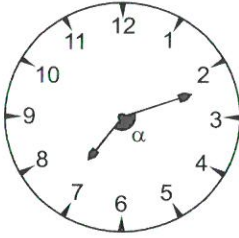
C) 152,5

D) 163,5

E) 165,5



7.

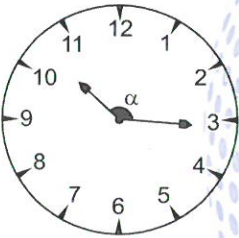


19 : 13

 $\alpha = ?^\circ$

A) 139 B) 138,5 C) 137,5 D) 136 E) 125,5

8.

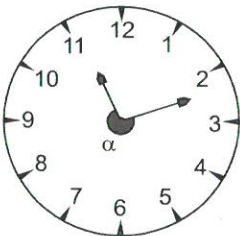


22 : 16

 $\alpha = ?^\circ$

A) 140 B) 142 C) 144 D) 148 E) 150

9.

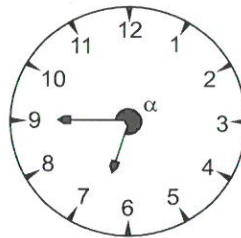


23 : 12

 $\alpha = ?^\circ$

A) 298 B) 290 C) 287 D) 270 E) 264

10.

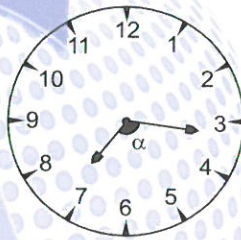


06 : 45

 $\alpha = ?^\circ$

A) 287,5 B) 290 C) 292,5 D) 294 E) 292,5

11.

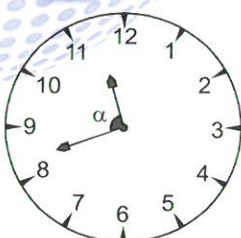


19 : 16

 $\alpha = ?^\circ$

A) 120 B) 122 C) 124 D) 126 E) 128

12.



23 : 42

 $\alpha = ?^\circ$

A) 90 B) 92 C) 94 D) 98 E) 99

Cevap Anahtarı – Answer Sheet

1.C	2.D	3.E	4.E	5.E	6.B
7.B	8.D	9.E	10.C	11.B	12.E

19. BÖLÜM

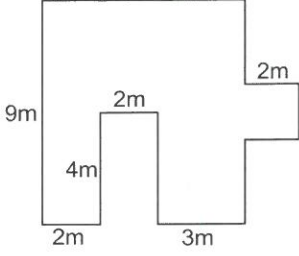
ÇEVRE - ALAN BİLGİSİ







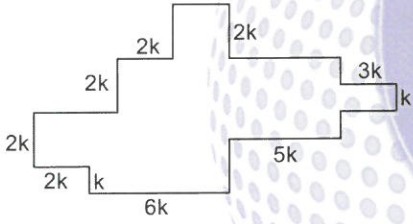
1.



Çevre (Perimeter) = ? m

- A) 42 B) 44 C) 46 D) 48 E) 50

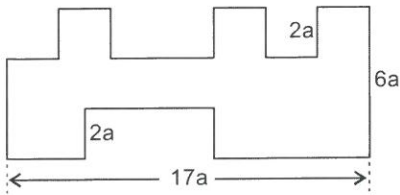
2.



Çevre (Perimeter) = ? k

- A) 44 B) 45 C) 46 D) 47 E) 48

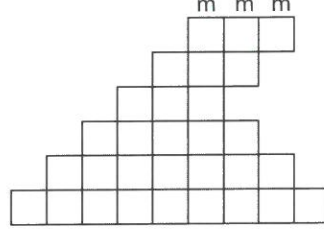
3.



Çevre (Perimeter) = ? a

- A) 58 B) 60 C) 62 D) 64 E) 66

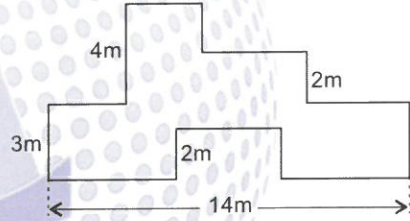
4.



Çevre (Perimeter) = ? m

- A) 32 B) 34 C) 36 D) 38 E) 40

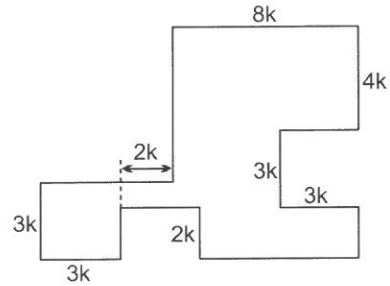
5.



Çevre (Perimeter) = ? m

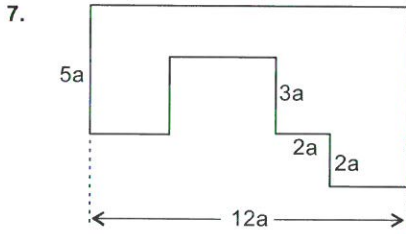
- A) 40 B) 42 C) 44 D) 46 E) 48

6.



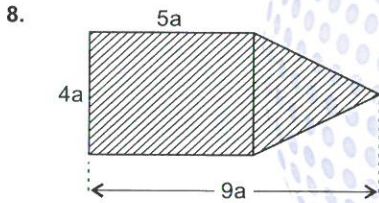
Çevre (Perimeter) = ? k

- A) 46 B) 48 C) 50 D) 52 E) 54



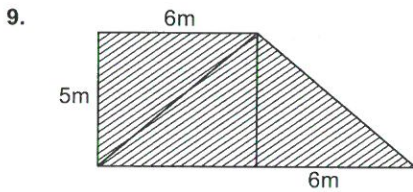
Çevre (Perimeter) = ? a

- A) 38 B) 40 C) 42 D) 44 E) 46



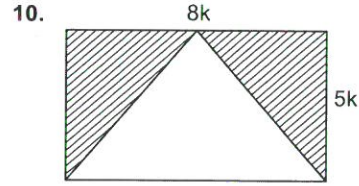
Taralı Alan (Area) = ? a²

- A) 28 B) 30 C) 32 D) 34 E) 36



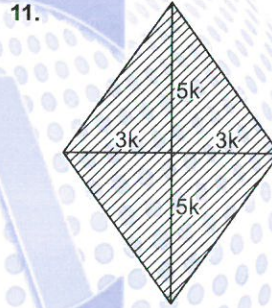
Taralı Alan (Area) = ? m²

- A) 40 B) 45 C) 50 D) 55 E) 60



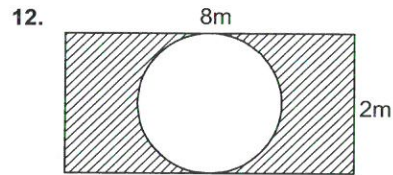
Taralı Alan (Area) = ? k²

- A) 20 B) 22 C) 24 D) 26 E) 28



Taralı Alan (Area) = ? k²

- A) 34 B) 32 C) 30 D) 28 E) 26



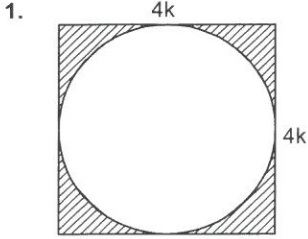
$\pi = 3$

Taralı Alan (Area) = ? m²

- A) 10 B) 11 C) 12 D) 13 E) 14

Cevap Anahtarı – Answer Sheet

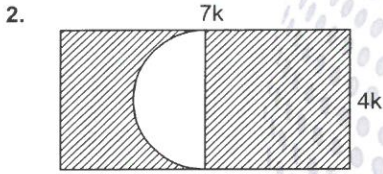
1.B	2.C	3.B	4.B	5.D	6.E
7.D	8.A	9.B	10.A	11.C	12.D



$\pi = 3$

Taralı Alan (Area) = ? k^2

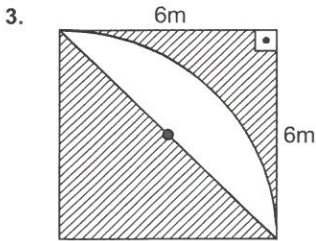
- A) 1 B) 2 C) 3 D) 4 E) 5 A) 18 B) 20 C) 22 D) 24 E) 26



$\pi = 3$

Taralı Alan (Area) = ? k^2

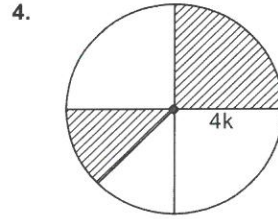
- A) 20 B) 22 C) 24 D) 26 E) 28 A) 40 B) 45 C) 50 D) 55 E) 60



$\pi = 3$

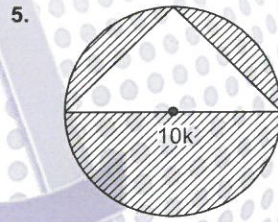
Taralı Alan (Area) = ? m^2

- A) 9 B) 12 C) 18 D) 27 E) 36



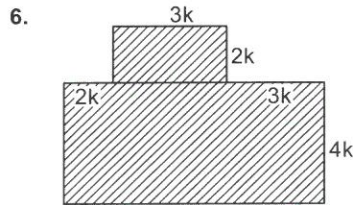
$\pi = 3$

Taralı Alan (Area) = ? k^2



$\pi = 3$

Taralı Alan (Area) = ? k^2

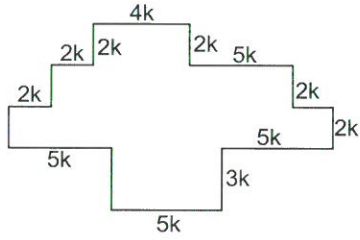


Taralı Alan (Area) = ? k^2

- A) 38 B) 40 C) 42 D) 44 E) 46

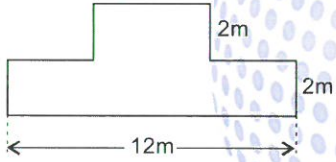


7.

**Çevre (Perimeter) = ? k**

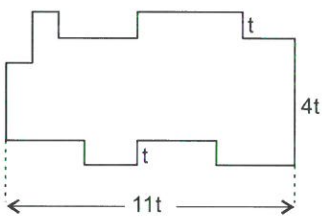
- A) 46 B) 47 C) 48 D) 49 E) 50

8.

**Çevre (Perimeter) = ? m**

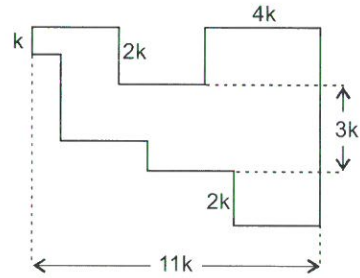
- A) 24 B) 26 C) 28 D) 30 E) 32

9.

**Çevre (Perimeter) = ? t**

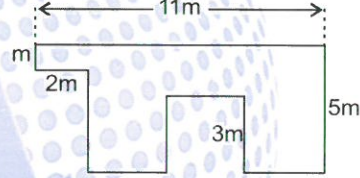
- A) 30 B) 32 C) 34 D) 36 E) 38

10.

**Çevre (Perimeter) = ? k**

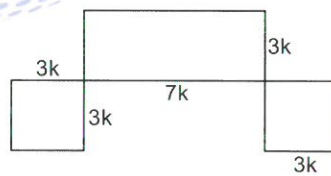
- A) 36 B) 38 C) 40 D) 42 E) 44

11.

**Çevre (Perimeter) = ? m**

- A) 38 B) 40 C) 42 D) 44 E) 46

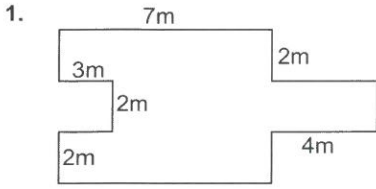
12.

**Çevre (Perimeter) = ? k**

- A) 40 B) 42 C) 44 D) 46 E) 48

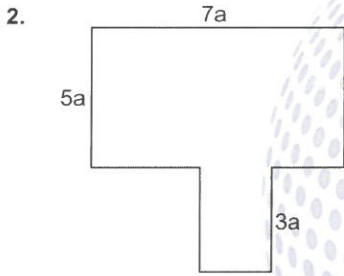
Cevap Anahtarı – Answer Sheet

1.D	2.B	3.D	4.A	5.C	6.A
7.C	8.E	9.D	10.C	11.A	12.C



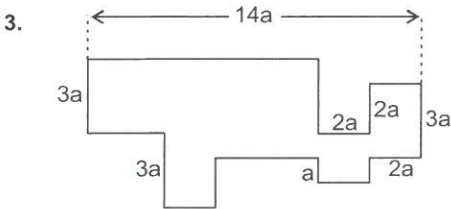
Çevre (Perimeter) = ? m

- A) 38 B) 39 C) 40 D) 41 E) 42



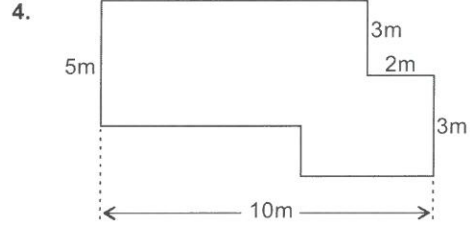
Çevre (Perimeter) = ? a

- A) 36 B) 34 C) 32 D) 30 E) 28



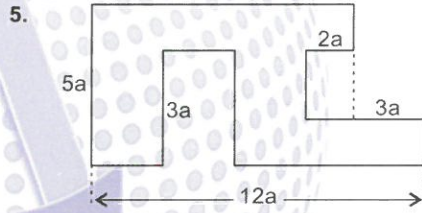
Taralı Alan (Area) = ? a

- A) 48 B) 46 C) 44 D) 42 E) 40



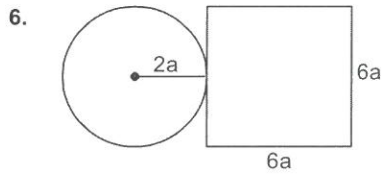
Çevre (Perimeter) = ? m

- A) 38 B) 36 C) 34 D) 32 E) 30



Çevre (Perimeter) = ? a

- A) 46 B) 44 C) 42 D) 40 E) 38



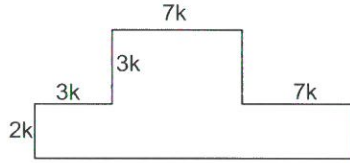
$\pi = 3$

Çevre (Perimeter) = ? a

- A) 46 B) 44 C) 42 D) 40 E) 36

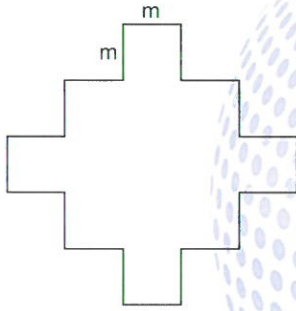


7.

**Çevre (Perimeter) = ? k**

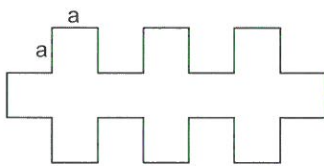
- A) 35 B) 40 C) 44 D) 50 E) 55

8.

**Çevre (Perimeter) = ? m**

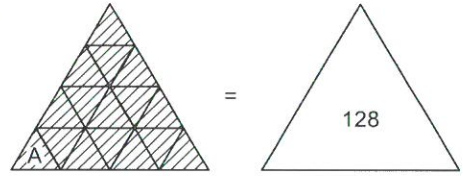
- A) 14 B) 16 C) 18 D) 20 E) 22

9.

**Çevre (Perimeter) = ? a**

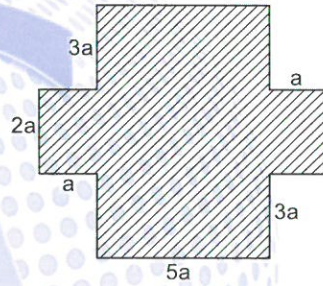
- A) 24 B) 25 C) 26 D) 27 E) 28

10.

**A = ?**

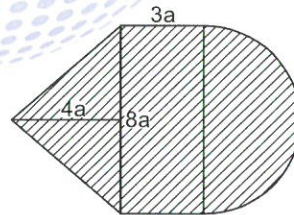
- A) 2 B) 4 C) 6 D) 8 E) 10

11.

**Taralı Alan (Area) = ? a²**

- A) 40 B) 42 C) 44 D) 46 E) 48

12.

 $\pi = 3$ **Taralı Alan (Area) = ? a²**

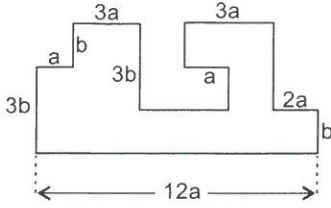
- A) 60 B) 61 C) 62 D) 63 E) 64

Cevap Anahtarı – Answer Sheet

1.C	2.D	3.B	4.D	5.B	6.E
7.C	8.D	9.E	10.D	11.C	12.E

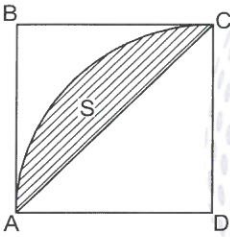


1.

**Çevre (Perimeter) = ? a**

- A) $20a+16b$ B) $26a+14b$ C) $24a+16b$
D) $26a+16b$ E) $25a+14b$

2.



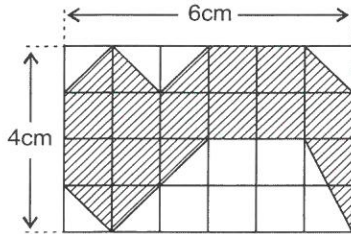
$$\pi = 3$$

$$|AD| = |BA| = 4 \text{ cm}$$

$$S = ? \text{ cm}^2$$

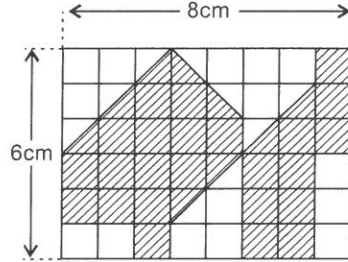
- A) 2 B) 4 C) 6 D) 8 E) 10

3.

**Taralı Alan (Area) = ? cm²**

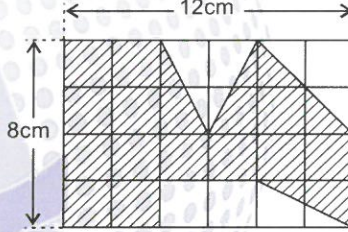
- A) 13 B) 13,5 C) 14 D) 14,5 E) 15

4.

**Taralı Alan (Area) = ? cm²**

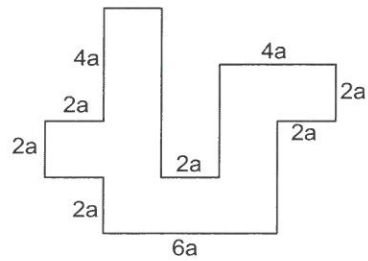
- A) 26,5 B) 27 C) 27,5 D) 28 E) 28,5

5.

**Taralı Alan (Area) = ? cm²**

- A) 60 B) 64 C) 68 D) 72 E) 76

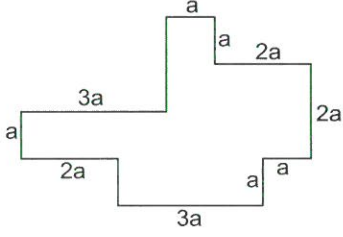
6.

**Alan (Area) = ? a²**

- A) 40 B) 42 C) 44 D) 46 E) 48

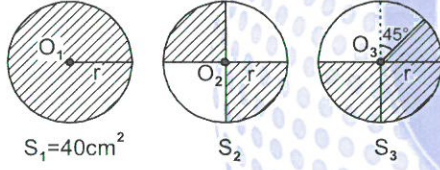


7.

**Alan (Area) = ? a^2**

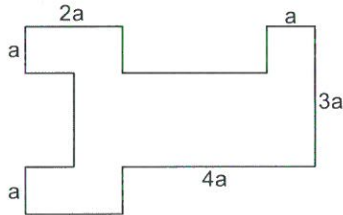
- A) 10 B) 11 C) 12 D) 13 E) 14

8.

 **$S_1 + S_2 + S_3 = ?$**

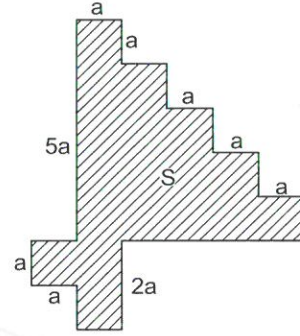
- A) 75 B) 80 C) 85 D) 90 E) 95

9.

**Alan (Area) = ? a^2**

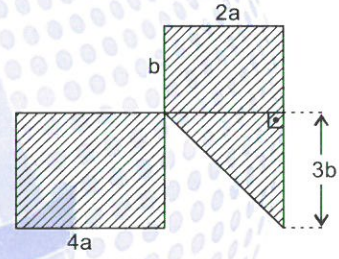
- A) 13 B) 14 C) 15 D) 16 E) 17

10.

**Taralı Alan (Area) = ? a^2**

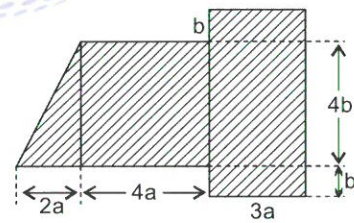
- A) 17 B) 18 C) 19 D) 20 E) 21

11.

**Taralı Alan (Area) = ? $a \cdot b$**

- A) 14 B) 15 C) 16 D) 17 E) 18

12.

**Taralı Alanı (Area) = ? $a \cdot b$**

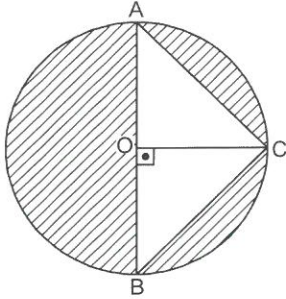
- A) 32 B) 34 C) 35 D) 37 E) 38

Cevap Anahtarı – Answer Sheet

1.B	2.B	3.D	4.E	5.C	6.A
7.D	8.C	9.C	10.B	11.D	12.E



1.



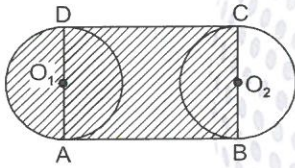
$$\pi = 3$$

$$|AB| = 8 \text{ cm}$$

Taralı Alan (Area) = ? cm^2

- A) 32 B) 34 C) 36 D) 38 E) 40

2.



$$\pi = 3$$

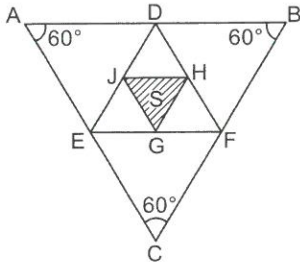
$$|AB| = 8 \text{ cm}$$

$$|BC| = 4 \text{ cm}$$

Taralı Alan (Area) = ? cm^2

- A) 34 B) 36 C) 38 D) 40 E) 42

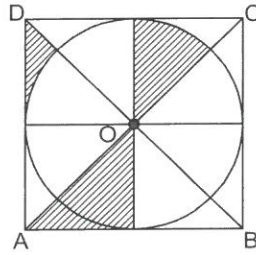
3.



$\Delta ABC = ? \text{ S}$

- A) 8 B) 12 C) 16 D) 20 E) 32

4.



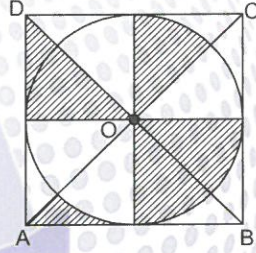
$$\pi = 3$$

$$|AB| = |BC| = 6 \text{ cm}$$

Taralı Alan (Area) = ? cm^2

- A) 8 B) 9 C) 10 D) 11 E) 12

5.



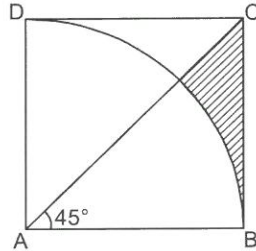
$$\pi = 3$$

$$|AB| = |BC| = 8 \text{ cm}$$

Taralı Alan (Area) = ? cm^2

- A) 32 B) 34 C) 36 D) 40 E) 42

6.

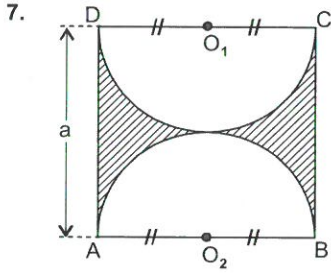


$$\pi = 3$$

$$|AB| = |BC| = 6 \text{ cm}$$

Taralı Alan (Area) = ? cm^2

- A) $\frac{9}{2}$ B) 9 C) 12 D) 18 E) 27

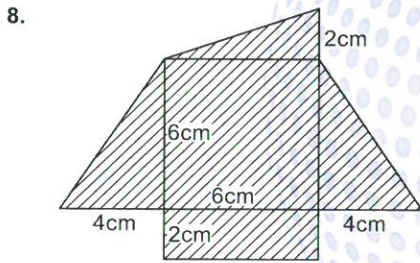


$$\pi = 3$$

$$|AB| = |BC| = a$$

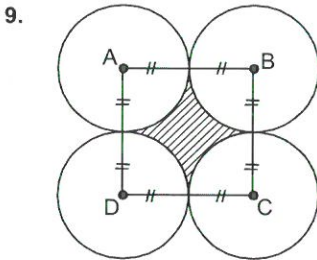
Taralı Alan (Area) = ? a^2

- A) $\frac{a}{2}$ B) $\frac{a}{4}$ C) $\frac{a^2}{2}$ D) $\frac{a^2}{4}$ E) a



Taralı Alanı (Area) = ? cm^2

- A) 78 B) 80 C) 82 D) 84 E) 86

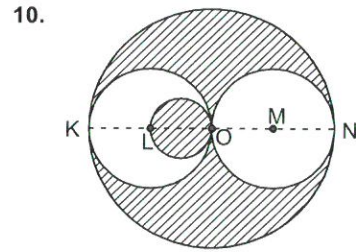


$$\pi = 3$$

$$|AB| = 4 \text{ cm}$$

Taralı Alan (Area) = ? cm^2

- A) 1 B) 2 C) $\frac{9}{4}$ D) 4 E) 8

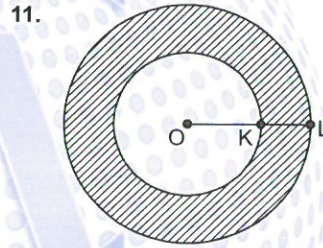


$$\pi = 3$$

$$|KL| = |LO| = |OM| = |MN| = 2 \text{ cm}$$

Taralı Alan (Area) = ? cm^2

- A) 22 B) 24 C) 25 D) 27 E) 29



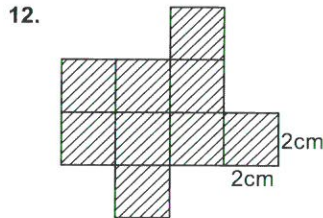
$$\pi = 3$$

$$|OK| = 4 \text{ cm}$$

$$|KL| = 2 \text{ cm}$$

Taralı Alan (Area) = ? cm^2

- A) 58 B) 60 C) 64 D) 66 E) 68



Çevre (Perimeter) = ? cm

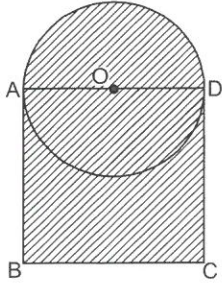
- A) 28 B) 30 C) 32 D) 34 E) 36

Cevap Anahtarı – Answer Sheet

1.A	2.C	3.C	4.B	5.C	6.A
7.D	8.A	9.D	10.D	11.B	12.C



1.



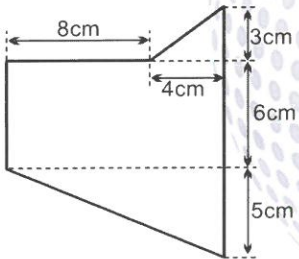
$$\pi = 3$$

$$|AB| = |CD| = 4 \text{ cm}$$

Çevre (Perimeter) = ? cm

- A) 16 B) 18 C) 20 D) 22 E) 24

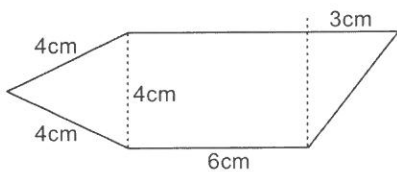
2.



Çevre (Perimeter) = ? cm

- A) 40 B) 42 C) 44 D) 46 E) 48

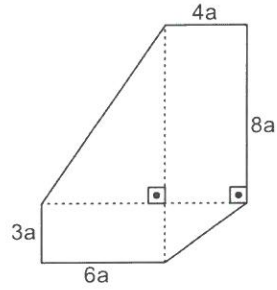
3.



Çevre (Perimeter) = ? cm

- A) 22 B) 24 C) 26 D) 28 E) 30

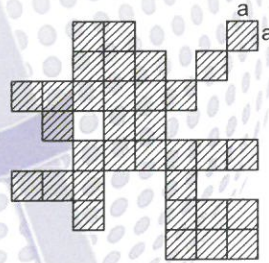
4.



Çevre (Perimeter) = ? a

- A) 26 B) 28 C) 32 D) 36 E) 40

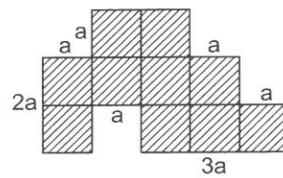
5.



Çevre (Perimeter) = ? a

- A) 46 B) 48 C) 50 D) 52 E) 54

6.

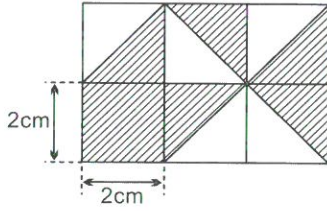


Çevre (Perimeter) = ? a

- A) 14 B) 15 C) 16 D) 17 E) 18

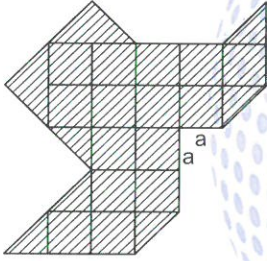


7.

**Taralı Alan (Area) = ? cm²**

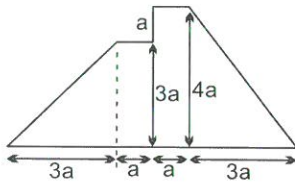
- A) 10 B) 12 C) 14 D) 16 E) 18

8.

**Çevre (Perimeter) = ? a**

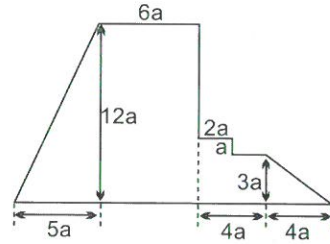
- A) 20a B) 16a C)
- $10\sqrt{2}a$
-
- D)
- $10(1+\sqrt{2})a$
- E)
- $20a+\sqrt{2}a$

9.

**Çevre (Perimeter) = ? a**

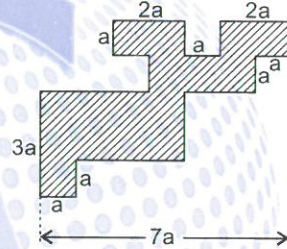
- A) 16a B) 18a C) 19a
-
- D)
- $16a+\sqrt{18}a$
- E)
- $16a+\sqrt{3}a$

10.

**Çevre (Perimeter) = ? a**

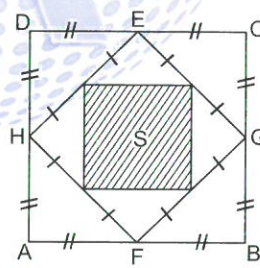
- A) 54 B) 55 C) 56 D) 57 E) 58

11.

**Çevre (Perimeter) = ? a**

- A) 26 B) 27 C) 28 D) 29 E) 30

12.

 $|DE| = |EC| = |CG| = |GB| = 8 \text{ cm}$ **S = ? cm²**

- A) 8 B) 16 C) 32 D) 64 E)
- $32\sqrt{2}$

Cevap Anahtarı – Answer Sheet

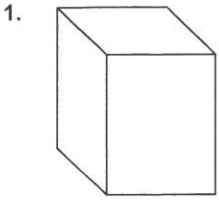
1.B	2.D	3.D	4.D	5.E	6.E
7.C	8.D	9.D	10.C	11.C	12.D

20. BÖLÜM

NESNE AÇILIMI

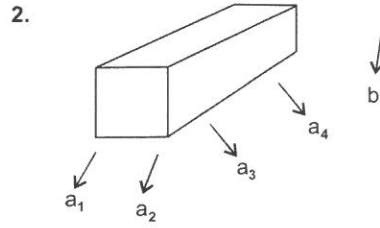
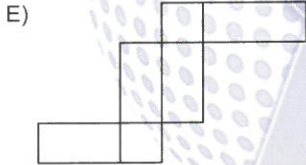
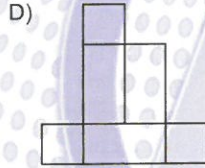
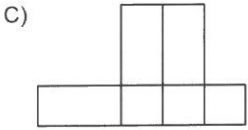
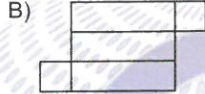
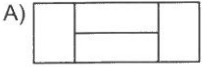






Aşağıdakilerden hangisi yukarıdaki şeklin açık halidir?

Which of the following is unfolded form of the given figure ?

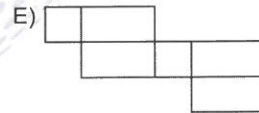
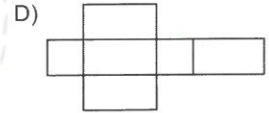
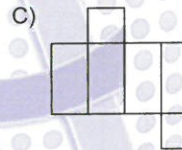
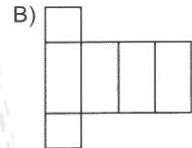
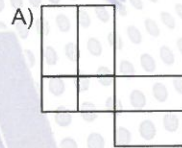


$$a_1 = a_2 = a_3 = a_4 \neq b$$

$b = ?$

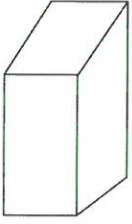
Aşağıdakilerden hangisi yukarıda verilen nesnenin açılımlarından biri değildir?

Which of the following does not represent one of the unfolded forms of the object given above?



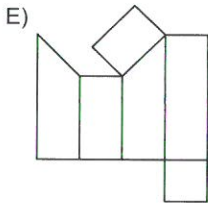
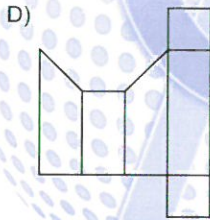
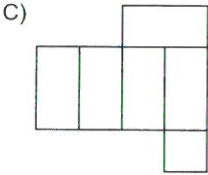
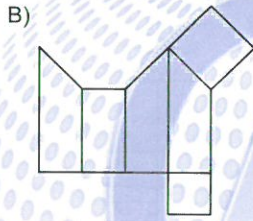
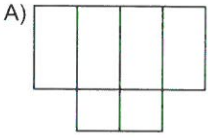


3.

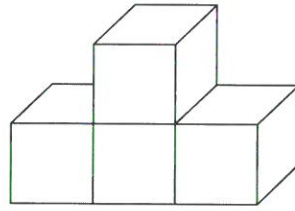


Yukarıdaki şeklin açık hali aşağıdakilerden hangisidir?

Which of the following figure is unfolded of the given one ?

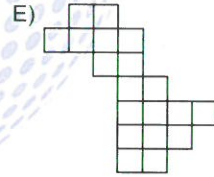
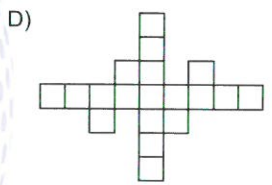
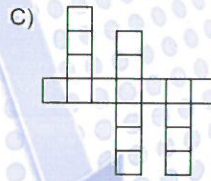
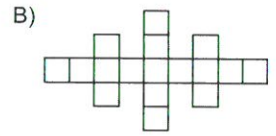
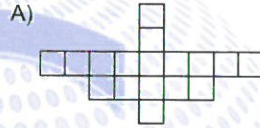


4.



Yukarıdaki şeklin açık hali aşağıdakilerden hangisidir?

Which of the following figure is unfolded of the given one ?

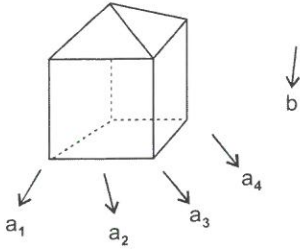


Cevap Anahtarı – Answer Sheet

1.E	2.A	3.E	4.C
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1.

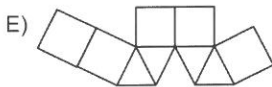
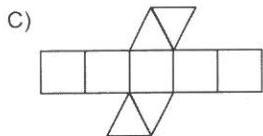
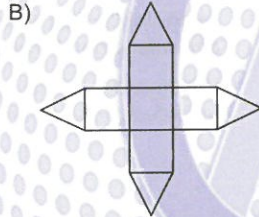
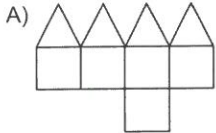


$$a_1 = a_2 = a_3 = a_4 \neq b$$

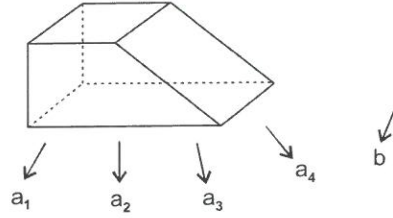
$b = ?$

Aşağıdakilerden hangisi yukarıda verilen nesnenin açılımlarından biri **değildir**?

Which of the following does not represent one of the unfolded forms of the object given above?



2.

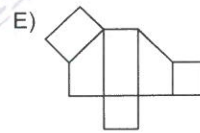
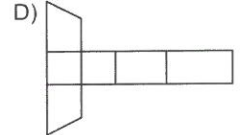
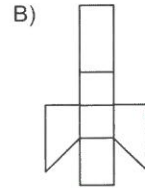
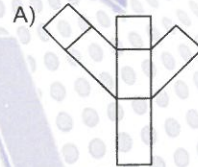


$$a_1 = a_2 = a_3 = a_4 \neq b$$

$b = ?$

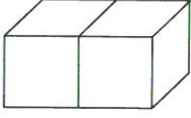
Aşağıdakilerden hangisi yukarıda verilen nesnenin açılımlarından biri **değildir**?

Which of the following does not represent one of the unfolded forms of the object given above?





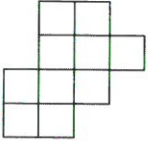
3.



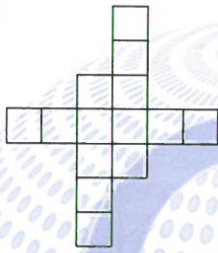
Yukarıdaki şeklin açık hali aşağıdakilerden hangisidir?

Which of the following figure is unfolded of the given one ?

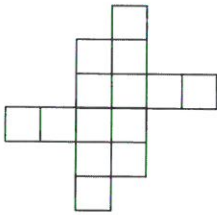
A)



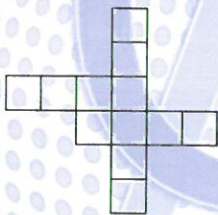
B)



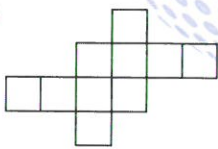
C)



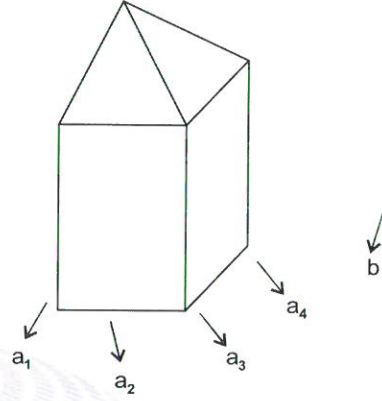
D)



E)



4.



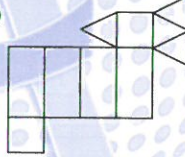
$$a_1 = a_2 = a_3 = a_4 \neq b$$

$$b = ?$$

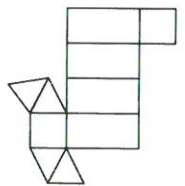
Aşağıdakilerden hangisi yukarıda verilen nesnenin açılımlarından biri değildir?

Which of the following does not represent one of the unfolded forms of the object given above?

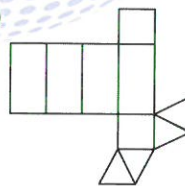
A)



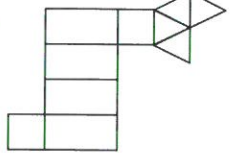
B)



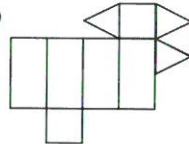
C)



D)



E)

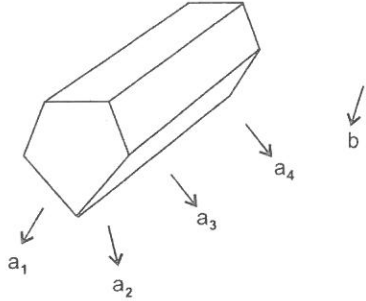


Cevap Anahtarı – Answer Sheet

1.C	2.A	3.E	4.E
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1.



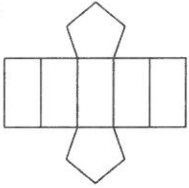
$$a_1 \equiv a_2 \equiv a_3 \equiv a_4 \neq b$$

 $b = ?$

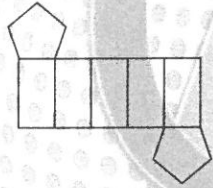
Aşağıdakilerden hangisi yukarıda verilen nesnenin açılımlarından biri değildir?

Which of the following does not represent one of the unfolded forms of the object given above?

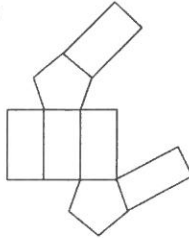
A)



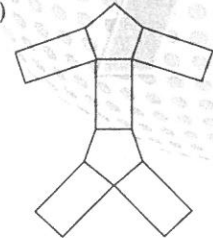
B)



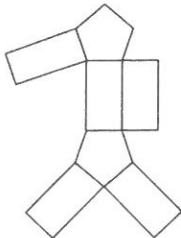
C)



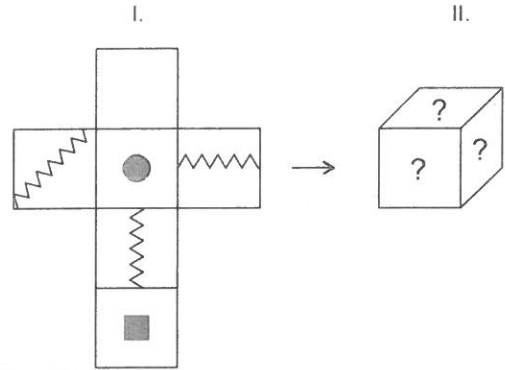
D)



E)



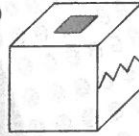
2.



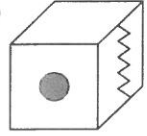
Aşağıdakilerden hangisi I. şeklin kapalı halidir?

Which of the following corresponds to figure I above?

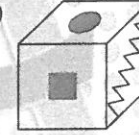
A)



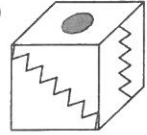
B)



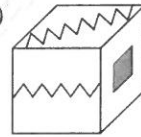
C)



D)

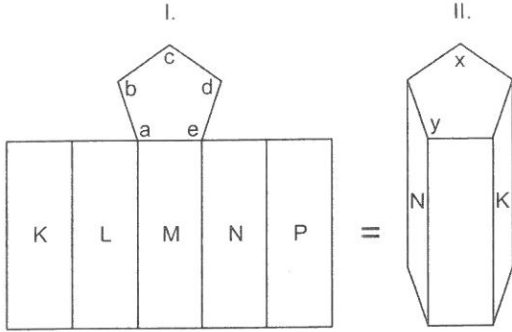


E)





3.

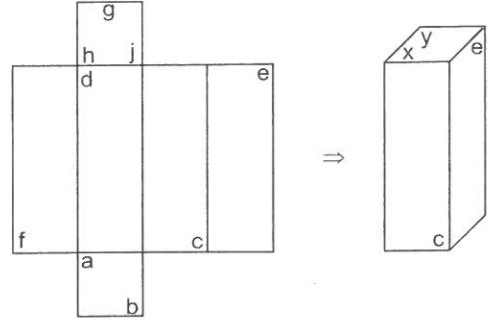


I. şekil kapatılarak II. şekildeki nesne elde edilmiştir. Buna göre, II. şekilde x ve y hangi harfleri göstermektedir?

The object in figure II is the closed form of figure I. Which letters do x and y stand for in figure?

	x	y
A)	a	e
B)	e	d
C)	e	c
D)	a	d
E)	b	c

4.



x = ?, y = ?

A) h, j

B) j, g

C) g, j

D) j, h

E) h, g

Cevap Anahtarı - Answer Sheet

1.C	2.D	3.D	4.D
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