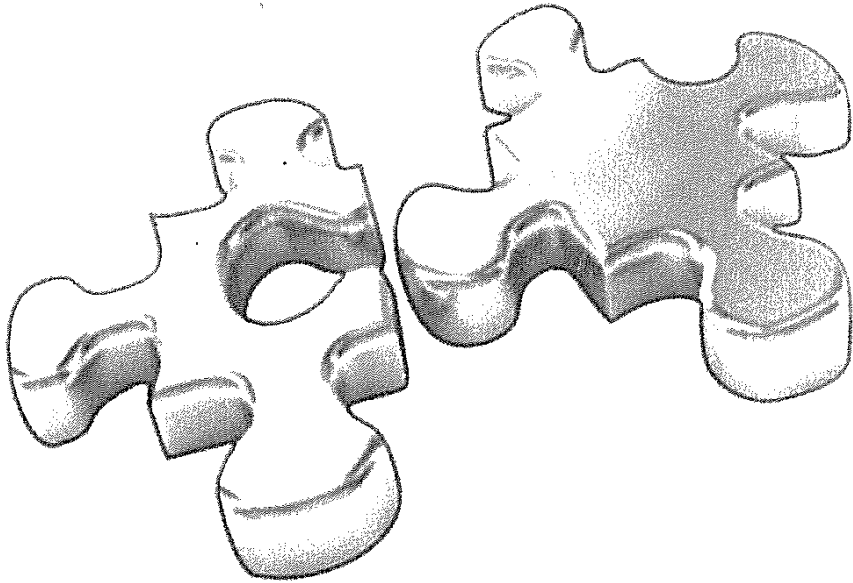


ÇAĞDAŞ ANALİZ

YÖS



GENEL YETENEK (IQ)
SORU BANKASI - 1

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.

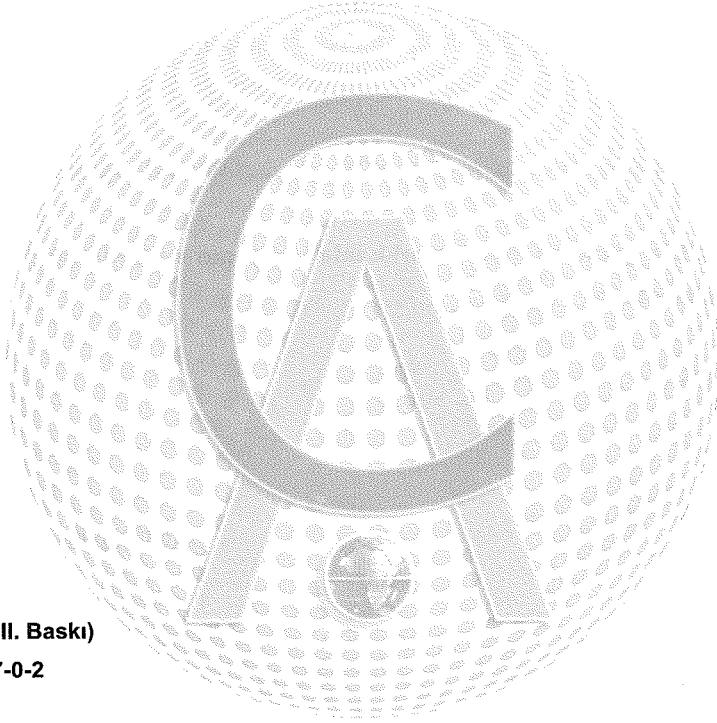
ÇAĞDAŞ ANALİZ EĞİTİM KURUMLARI

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

Kitabın herhangi bir kısmı veya tamamı kurumdan izin alınmaksızın kopyalanamaz, çoğaltılamaz, yayınlanamaz.

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.



Baskı: İstanbul 2014 (II. Baskı)

ISBN : 978-9944-5997-0-2

Kitap İsteme Adresi

ÇAĞDAŞ ANALİZ YÖS Kursları

BAKIRKÖY Şubesi: Zeytinlik Mah. Fişekhane Cad No: 56/4

Tel: (0090) 212 583 03 30

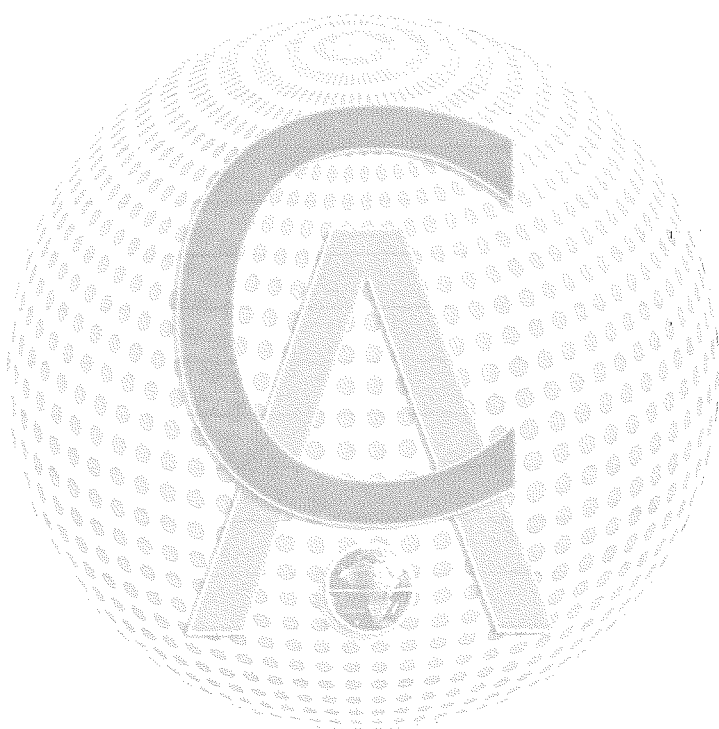
KADIKÖY Şubesi: Osmanağa Mah. Teyyareci Sami Sk. No:8/2

Tel: (0090) 216 574 10 18

www.cagdasanaliz.com

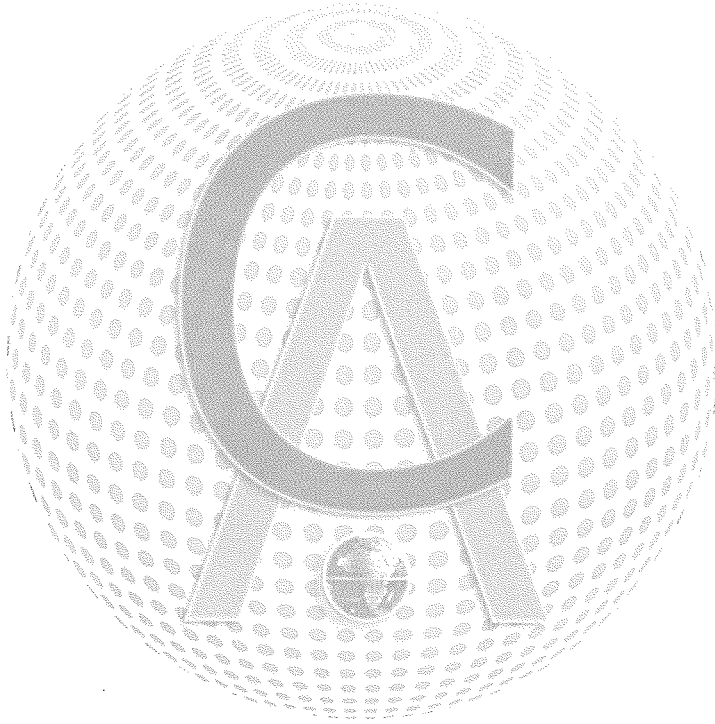
İÇİNDEKİLER (INDEX)

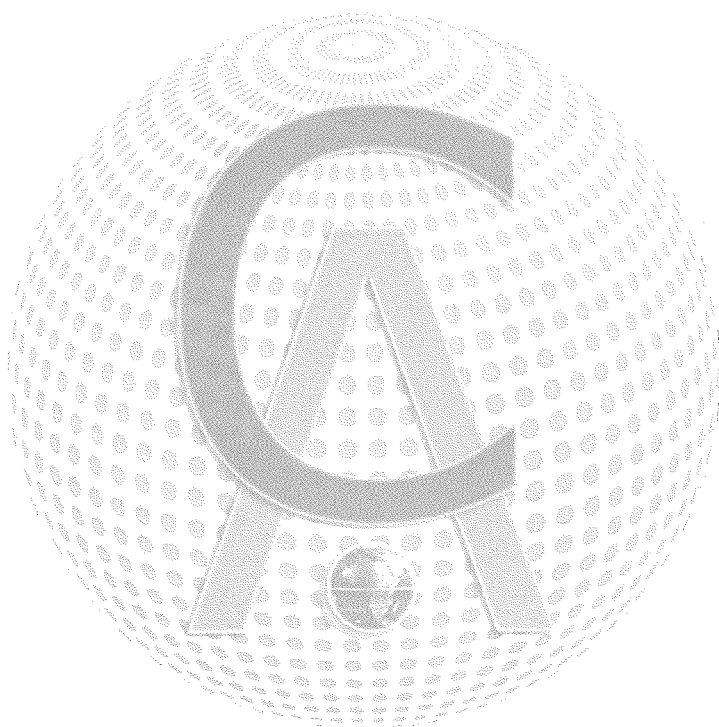
ŞİFRELER	7 – 30
SAYI DİZİLERİ	31 – 62
İŞLEM YETENEĞİ	63 – 88
HARFLİ İFADELER	89 – 110
DENKLEM TABLOLARI	111 – 134
SAYISAL İLİŞKİLER	135 – 164
ŞEKİL MATRİSİ	165 – 182
ŞEKİL DİZİSİ	183 – 200
ŞEKİL İLİŞKİLERİ	201 – 230
GRAFİKLER	231 – 248
İŞLEM TABLOSU	249 – 258
ÖRÜNTÜLER	259 – 272
TERAZİ	273 – 304
ŞEKİL TAMAMLAMA	305 – 318
İŞLEM ÖRÜNTÜLERİ	319 – 330
ŞEKİL TABLOSU	331 – 356
KÜP SAYMA	357 – 374
SAATLER	375 – 380
ÇARKLAR	381 – 390



1. BÖLÜM

ŞİFRELER







ŞİFRELER

TEST - 1

1. KEME A) 4031
EKEL B) 5303
KELE ⇒ C) 4021
ALİM D) 5313
ALEM E) 3530

ALEM = ?

5. YOLCU A) 65254
KALAY B) 76525
UKALA ⇒ C) 43217
KAYAK D) 56525
AKALA E) 65456

KAYAK = ?

2. AKIN A) 3462
EREK B) 1215
AKIR ⇒ C) 1214
EREN D) 2154
RENK E) 3465

AKIN = ?

6. SULUT A) 73727
ALASA B) 25354
SEKEL ⇒ C) 71364
AKLET D) 47153
TAKUL E) 26163

AKLET = ?

3. URUK A) 4356
KURU B) 4656
UZUN ⇒ C) 2314
KORU D) 6564
ZONK E) 6261

KORU = ?

7. ATAMA A) 73673
İLİDE B) 97397
EKMEK ⇒ C) 40457
TEKTE D) 54046
DİLİM E) 29262

EKMEK = ?

4. KÜREK A) 54201
KISIR B) 26135
SIKAR ⇒ C) 56135
SÜREK D) 50201
KASIR E) 20541

SÜREK = ?

8. YAPTI A) 34397
YIKMA B) 17082
KAPTI ⇒ C) 94367
SUSMA D) 67082
MUSKA E) 12697

MUSKA = ?



ŞİFRELER

TEST – 1

9. PATEN A) 06903
MERAL B) 92186
İKAME ⇒ C) 48527
TİLKİ D) 03892
İLMİK E) 50630

İKAME = ?

10. AKBEL A) 39247
BAKAN B) 08382
KORNA ⇒ C) 85726
FİKİR D) 57374
İBARE E) 73561

BAKAN = ?

11. UÇKUR A) EZMNJ
LAÇKA B) ZOMZİ
YULAR ⇒ C) ENINJ
UÇLUK D) ZOİZJ
YAKAR E) MNOİN

UÇKUR = ?

12. SÜLÜS A) TNANA
EKSİK B) ÖVANÖ
SERER ⇒ C) NÖTZÖ
KÜREK D) ÖNTZA
KESİR E) TVCVT

KÜREK = ?

13. TAKSİ A) UBMŞJ
ALTAN B) MJŞPJ
TAKLA ⇒ C) BMUBO
AKTAN D) UBMPB
KİSLİ E) BPUBO
ALTAN = ?

14. YABAN A) OSDOZ
ANANE B) COHLD
BENGİ ⇒ C) PFPFL
GİYER D) HPSPF
İBRİK E) SLFCO
GİYER = ?

15. DİŞ
KUŞ
ŞİŞ ⇒ KOŞ = ?
KOŞ
ŞON

- A) 137 B) 737 C) 567
D) 527 E) 728

16. DİYOR
DAVAR
DİNAR ⇒ DİVAN = ?
NARİN
DİVAN

- A) 53961 B) 53782
C) 58781 D) 28132
E) 53281

Cevap Anahtarı – Answer Sheet

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



1. DELİ
DİZİ
GEMİ ⇒ GEMİ = ?
ZEKİ
ELTİ

- A) 5321 B) 3291 C) 5141
D) 6371 E) 4381

2. SEÇ
GEL
SEL ⇒ LEŞ = ?
LEŞ
GEÇ

- A) 523 B) 421 C) 423
D) 326 E) 521

3. AKAR
AKAK
RAKİ ⇒ AKAK = ?
RACİ
GAZİ

- A) 3276 B) 3246 C) 2423
D) 2424 E) 1289

4. KAT
SAT
TAS ⇒ TAS = ?
SAK
MAT

- A) 768 B) 867 C) 763
D) 368 E) 568

5. KAVAK
ÇATAL
KAŞIK ⇒ KAÇAK = ?
KAÇAK
KAVAL

- A) 13431 B) 13931 C) 13435
D) 13671 E) 93835

6. SELE
LEKE
KESE ⇒ MELE = ?
TEKE
MELE

- A) 4131 B) 3121 C) 5141
D) 2141 E) 6131

7. RİZE
ALMA
EZİM ⇒ RİZE = ?
MEAL
LARI

- A) 3654 B) 2716 C) 6173
D) 5435 E) 4527

8. KERT
TAAM
EMMİ ⇒ İTEK = ?
İTEK
MİRA

- A) 2470 B) 5376 C) 6002
D) 3224 E) 4635



9. İTME
ERLİ
RİTM ⇒ RİTM = ?
MERT
ALAM

- A) 5672 B) 2145 C) 4561
D) 3734 E) 6214

10. LİMA
EKİN
KENE ⇒ LİMA = ?
İNEK
MALİ

- A) 1354 B) 5413 C) 7262
D) 2746 E) 4627

11. FİRE
TAFİ
ERİK ⇒ FİRE = ?
ATKA
KEAT

- A) 7456 B) 8394 C) 6583
D) 4937 E) 5675

12. SUNTA
TASMU
URTEF ⇒ SUNTA = ?
ASMAN
ENFUR

- A) 41678 B) 78431 C) 15729
D) 84386 E) 26915

13. KARA
DARA
RAMA ⇒ KARA = ?
MAKA
TAMA

- A) 4979 B) 6979 C) 8969
D) 7989 E) 5969

14. AKAN
FAİK
KİNA ⇒ FAİK = ?
FAKİ
NAKF

- A) 6879 B) 9758 C) 5896
D) 8985 E) 6897

15. ZAFER
TİKİZ
SİKİL ⇒ ZAFER = ?
TALAR
FİSER

- A) 05251 B) 96862 C) 45371
D) 06864 E) 36971

16. ESER
SİRA
İŞİT ⇒ ESER = ?
ŞİŞİ
TESE

- A) 8789 B) 7878 C) 9262
D) 2625 E) 6453

Cevap Anahtarı – Answer Sheet

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



1. ESER

İFİS

FİRE ⇒ ESER = ?

ERFİ

RİFİ

- A) 6858 B) 8587 C) 9658
D) 9796 E) 5869

2. ALGI

ALIÇ

ALÇI ⇒ ALÇI = ?

ALIK

ALIM

- A) 5476 B) 5468 C) 5469
D) 5463 E) 5486

3. KAŞ

ŞAK

AŞK ⇒ ŞAK = ?

KİŞ

ŞIK

- A) 134 B) 341 C) 431
D) 174 E) 471

4. CAZİP

VACİP

CAVİT ⇒ ZİVAT = ?

TAVİZ

ZİVAT

- A) 31748 B) 51247 C) 74215
D) 31245 E) 21348

5. KAP

SAT

YAK ⇒ PAS = ?

PAS

KAN

- A) 304 B) 102 C) 501
D) 203 E) 106

6. ŞİKE

EKŞİ

İŞİT ⇒ KİŞİ = ?

KİŞİ

ETEK

- A) 4252 B) 1314 C) 2523
D) 5241 E) 1452

7. KARE

VADE

HARE ⇒ HARE = ?

PAYE

HANE

- A) 5172 B) 8192 C) 5102
D) 6172 E) 3142

8. SAK

KİRA

AKAR ⇒ RAKS = ?

RAKS

SAKİ

- A) 5214 B) 4231 C) 2125
D) 4213 E) 1352



9. SELEN
SAKAR
NADİR ⇒ DEMİR = ?
DEMİR
MELEK

- A) 94748 B) 54628 C) 63028
D) 03137 E) 93135

10. YAP
ÇAK
TAS ⇒ ÇAK = ?
PAY
SAT

- A) 502 B) 205 C) 103
D) 604 E) 301

11. PATEN
MERAL
İKAME ⇒ İKAME = ?
TİLKİ
İLMİK

- A) 06903 B) 92186 C) 48527
D) 03892 E) 50630

12. GÖZ
KÖK
GÖK ⇒ KÖZ = ?
KÖZ
ÇÖZ

- A) 531 B) 431 C) 231
D) 232 E) 432

13. SANIK
CACIK
KINIK ⇒ KINIK = ?
KANIK
GICIK

- A) 25213 B) 65413 C) 71213
D) 31413 E) 35413

14. KÜL
SEL
KES ⇒ KES = ?
KEK
SEK

- A) 376 B) 315 C) 373
D) 673 E) 675

15. SALI
SELE
SANA ⇒ SELE = ?
DEDE
ENSE

- A) 6593 B) 8768 C) 6575
D) 6898 E) 2828

16. ÇAT
TAK
KAK ⇒ ÇAK = ?
KAT
ÇAK

- A) 851 B) 353 C) 153
D) 853 E) 351

Cevap Anahtarı – Answer Sheet

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



1. LONCA
KANCA
GONCA $\Rightarrow$ GONCA = ?
LOKMA
KAKMA
- A) 69837 B) 19837 C) 47427
D) 69427 E) 47837

2. AŞAR
AŞÇI
ÖŞÜR $\Rightarrow$ ACIR = ?
ŞAIR
AÇIR
- A) 5482 B) 4632 C) 4542
D) 1572 E) 4563

3. SAKİ
SAMİ
SİMA $\Rightarrow$ KISA = ?
AKİS
KISA
- A) 1354 B) 3541 C) 5713
D) 1463 E) 1364

4. EKLER
TEKLİ
KİRTE $\Rightarrow$ KİRTE = ?
ARCİN
İNTAC
- A) 91748 B) 25621 C) 32564
D) 54132 E) 48397

5. KAÇIK
ESMER
ÇEKİÇ $\Rightarrow$ ÇEKİÇ = ?
AKÇAM
SORMA
- A) 86182 B) 45328 C) 68106
D) 74273 E) 17691

6. O Δ □
Δ O O
□ □ Δ
- A) 1 3 1 B) 3 1 4 C) 1 3 4
3 1 1 1 3 1 3 1 1
4 4 3 4 3 3 4 4 1

- D) 2 3 4 E) 2 1 3
3 2 2 1 2 2
4 4 3 3 3 2

7. ▲ ● ■ ◆
■ ◆ ▲ ●
■ ▲ ● ▲
- A) 2 1 4 3 B) 3 1 4 3
4 3 2 1 4 3 3 1
4 1 2 2 4 2 1 2

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



8. ANNE = $\triangle \bigcirc \bigcirc \square$
NANE = ?

- A) $\bigcirc \bigcirc \triangle \triangle$ B) $\bigcirc \triangle \bigcirc \square$
C) $\bigcirc \bigcirc \triangle \square$ D) $\square \bigcirc \bigcirc \triangle$
E) $\square \bigcirc \triangle \bigcirc$

9. ALAZ = ?

- A) $\square \triangle \bigcirc \triangle$ B) $\bigcirc \triangle \square \triangle$
C) $\triangle \bigcirc \triangle \square$ D) $\triangle \square \bigcirc \triangle$
E) $\bigcirc \bigcirc \triangle \square$

10. DİLEK = $\times \nabla \square \bigcirc \triangle$
KELEK = ?

- A) $\triangle \triangle \bigcirc \bigcirc \square$ B) $\triangle \bigcirc \bigcirc \square \triangle$
C) $\bigcirc \triangle \bigcirc \triangle \square$ D) $\triangle \bigcirc \square \bigcirc \triangle$
E) $\square \bigcirc \triangle \bigcirc \triangle$

11. GÖZEN = $\bigcirc \triangle \square * \nabla$
ÖZGE = ?

- A) $\triangle \bigcirc * \square$ B) $\triangle * \square \bigcirc$
C) $\square \bigcirc * \triangle$ D) $\triangle \square \bigcirc *$
E) $\triangle * \square \bigcirc$

12. TESBİT = $\bigcirc \triangle \square \boxtimes ? \bigcirc$
BESTE = ?

- A) $\triangle \square \bigcirc \triangle \boxtimes$ B) $\bigcirc \square \triangle \triangle \boxtimes$
C) $\boxtimes \square \triangle \bigcirc \triangle$ D) $\boxtimes \triangle \square \bigcirc \triangle$
E) $\triangle \bigcirc \boxtimes \square \triangle$

13. SOSİS = ?

- A) $\square \square \square \bigcirc \triangle$ B) $\square \bigcirc \square \square \triangle$
C) $\bigcirc \square \triangle \square \square$ D) $\triangle \square \bigcirc \square \square$
E) $\square \triangle \square \square \square$

14. FENER = ?

- A) $\nabla \bigcirc \square \bigcirc \triangle$ B) $\bigcirc \triangle \nabla \square \bigcirc$
C) $\nabla \square \bigcirc \bigcirc \triangle$ D) $\square \bigcirc \bigcirc \triangle \nabla$
E) $\bigcirc \nabla \bigcirc \triangle \square$

15. KARA
ARIK
IRAK $\Rightarrow$ KINA=?
AKIN
KINA

- A) 4563 B) 5234 C) 3456
D) 4323 E) 3254

Cevap Anahtarı – Answer Sheet

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



ŞİFRELER

TEST – 5

1. YOLCU
KOLAY
KAPAK $\Rightarrow$ KOLAY=?
YAPAY
PULCU
- A) 73412 B) 21812 C) 86456
D) 23456 E) 71817

2. AKBEL
BAKAN
KORNA $\Rightarrow$ BAKAN = ?
FİKİR
İBARE
- A) 57374 B) 08382 C) 85726
D) 39247 E) 73561

3. TAKSİ
ALTAN
TAKLA $\Rightarrow$ ALTAN = ?
AKTAN
KİSLİ
- A) UBMŞJ B) MJŞPJ C) BMUBO
D) UBMPB E) BPUBO

4. YABAN
ANANE
BENGİ $\Rightarrow$ GİYER = ?
GİYER
İBRİK
- A) HPSPF B) CDHLO C) PFPFL
D) DSODZ E) SLFCD

5. 19280
08190
74680 $\Rightarrow$ 08190 = ?
29390
92740
- A) ŞAHİN B) NİŞAN C) SERİN
D) AHSEN E) HAZAN

6. 90387
12930
84962 $\Rightarrow$ 12930 = ?
50962
92616
- A) ŞEHLA B) MAHUE
C) HEUŞU D) HALİT
E) İRHUE

7. 72857
59892
63963 $\Rightarrow$ 91849 = ?
79894
91849
- A) KMPNK B) LYP SL
C) NLPLM D) KLPLS
E) TRLTR

8. 38676
93532
71819 $\Rightarrow$ 63734 = ?
82854
63734
- A) 51413 B) 40478 C) 94656
D) 39790 E) 69598



ŞİFRELER

TEST – 5

9. TAÇ
TAP
TAK ⇒ TAÇ = ?
ÇAT
ÇAŞ
- A) 134 B) 135 C) 236
D) 132 E) 231

10. YAB
NES
LOS ⇒ LOS = ?
YAS
NEB
- A) 928 B) 371 C) 041
D) 048 E) 378

11. TUT
MAG
SUS ⇒ ŞUD = ?
KOK
ŞUD
- A) 252 B) 404 C) 951
D) 757 E) 863

12. LAH
MIÇ
ÇEM ⇒ ÇEM = ?
ENE
LİB
- A) 301 B) 207 C) 545
D) 368 E) 752

13. NİF
HİN
NİÇ ⇒ NİH = ?
LİK
NİH
- A) 957 B) 351 C) 350
D) 153 E) 354

14. YEM
MEY
ŞEK ⇒ REH = ?
KEŞ
REH
- A) 249 B) 047 C) 942
D) 146 E) 641

15. ŞAT
KAB
LİK ⇒ ŞOK = ?
KEÇ
ŞOK
- A) 256 B) 902 C) 217
D) 314 E) 382

16. ALE
KAZ
ELİ ⇒ KAZ = ?
RİB
ŞOL
- A) 093 B) 490 C) 832
D) 169 E) 547

Cevap Anahtarı – Answer Sheet

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



1. KEK
YOT
MUM ⇒ TAY = ?
TAY
FAL
- A) 858 B) 604 C) 973
D) 309 E) 212

2. POJ
POB
PAH ⇒ HAP = ?
TAP
HAP
- A) 673 B) 476 C) 376
D) 619 E) 615

3. TÜRK
RAST
SARK ⇒ RAST = ?
TART
KART
- A) 5164 B) 4253 C) 3154
D) 6153 E) 4154

4. TİLKİ
SİLEN
KİRLİ ⇒ ERKEN = ?
ERKEN
İLKİN
- A) 43253 B) 63581 C) 73543
D) 35431 E) 82481

5. ASIK
EMİR
SARI ⇒ EMİR = ?
RISK
KISA
- A) 3942 B) 2746 C) 4637
D) 5893 E) 6472

6. SİĞARA
ANTİKA
KASABA ⇒ KASABA = ?
İTİKAT
TİNTAN
- A) 823212 B) 374252
C) 269782 D) 976926
E) 797829

7. TAPAN
ANTİK
KİTAP ⇒ KİTAP = ?
PASTA
SAKİN
- A) 43251 B) 25157
C) 65437 D) 15625
E) 57234

8. OYUN
KUYU
UYKU ⇒ KUYU = ?
KONU
OYUK
- A) 7526 B) 7523 C) 6252
D) 2562 E) 6732



9. EKİP
İPEK
ALET ⇒ İPEK = ?
PİDE
ADİL
- A) 3542 B) 7648 C) 3975
D) 4876 E) 6794

10. TANIK
SAÇMA
KANIT ⇒ TEKNE = ?
TEKNE
ÇEMEN
- A) 65895 B) 87971 C) 35142
D) 25143 E) 37217

11. GÜZEL
LEZİZ
REZİL ⇒ AZERİ = ?
AZİZE
AZERİ
- A) 75281 B) 34251 C) 62578
D) 62825 E) 15282

12. İLKE
ALÇI
ÇİLE ⇒ İLKE = ?
AKÇE
ELÇİ
- A) 3461 B) 4621 C) 1634
D) 5231 E) 5637

13. IRMAK
TARAK
KARAR ⇒ IRMAK = ?
KIRIK
ARTIK
- A) 12321 B) 23451
C) 65351 D) 53621
E) 15353

14. KEP
ERİ
PİL ⇒ PİR = ?
İPE
PİR
- A) 456 B) 542 C) 124
D) 453 E) 235

15. ÇATI
KART
TREN ⇒ IRAK = ?
ATAÇ
IRAK
- A) 2341 B) 5256
C) 7358 D) 6527
E) 8532

16. MARK
ERKA
TERK ⇒ MARK = ?
TEKE
AKAR
- A) 6314 B) 4143 C) 2431
D) 5631 E) 5616

Cevap Anahtarı – Answer Sheet

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



1. ÖLÇ
TER
ELT
ÇÖL
TEL

⇒ TEL = ?

- A) 532 B) 536 C) 461
D) 146 E) 365

5. DAR
VER
VAN
ANA
EVE

⇒ ANA = ?

- A) 565 B) 643 C) 241
D) 434 E) 651

2. İŞTE
ŞATO
MAVİ
ATOM
VETO

⇒ MAVİ = ?

- A) 1234 B) 2538 C) 7438
D) 6571 E) 5386

6. KUŞ
BAŞ
TUR
ARŞ
DIŞ

⇒ KUŞ = ?

- A) 817 B) 215 C) 965
D) 435 E) 375

3. SÜT
ÜTÜ
TÜY
YÜN
ÜNÜ

⇒ SÜT = ?

- A) 324 B) 252 C) 425
D) 123 E) 232

7. ÜTÜ
TEF
OTO
ÜYE
FEN

⇒ ÜYE = ?

- A) 518 B) 283 C) 565
D) 682 E) 464

4. KART
YAKA
AYIK
AYAK
KIRK

⇒ KART = ?

- A) 2532 B) 6121 C) 2134
D) 1652 E) 1612

8. ŞİŞE
AKIN
NEŞE
EŞİK
KİŞİ

⇒ NEŞE = ?

- A) 5246 B) 7371 C) 2373
D) 1732 E) 6171



9. KİR
KAR
SET ⇒ TAS = ?
TAS
SAT
- A) 456 B) 153 C) 123
D) 476 E) 654

10. MOLA
CAMI
FAAL ⇒ DOLU = ?
LOCA
DOLU
- A) 2976 B) 8529 C) 4998
D) 3581 E) 7589

11. AMAÇ
ÇARK
KASA ⇒ KURS = ?
KURS
SARI
- A) 8379 B) 3435 C) 5372
D) 2178 E) 2383

12. DAM
AZA
DİL ⇒ DAM = ?
LOŞ
ÇİM
- A) 141 B) 738 C) 267
D) 215 E) 965

13. EMMEK
UŞŞAK
AYYAŞ ⇒ EVVEL = ?
EVVEL
UMMAK
- A) 64468 B) 69960 C) 14458
D) 13358 E) 57753

14. LAV
FİN
NAZ ⇒ NAZ = ?
ANİ
KAV
- A) 816 B) 361 C) 432
D) 639 E) 532

15. OLAY
KIYI
YAYA ⇒ KIYI = ?
AYAK
ALAY
- A) 3737 B) 7473 C) 8473
D) 7376 E) 6535

16. KOLA
AKIL
ALKI ⇒ ILIK = ?
OLKA
ILIK
- A) 3652 B) 4653 C) 3526
D) 2625 E) 5463

Cevap Anahtarı – Answer Sheet

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



1. SÜT
ÜST
TÜM $\Rightarrow$ ÜST = ?
TAM
TAS
- A) 416 B) 524 C) 415
D) 426 E) 254

5. SİS
İSE
SES $\Rightarrow$ ASİ = ?
ASİ
TAS
- A) 747 B) 657 C) 374
D) 573 E) 737

2. SAYI
YASA
ASTI $\Rightarrow$ YASA = ?
ISIT
TASA
- A) 6242 B) 3431 C) 1242
D) 2413 E) 4263

6. OL
EL
AŞ $\Rightarrow$ OL = ?
EŞ
AL
- A) 35 B) 12 C) 42
D) 45 E) 32

3. TEST
KIRK
TOST $\Rightarrow$ TEST = ?
TART
SERT
- A) 3753 B) 4653 C) 3643
D) 2952 E) 3843

7. YAT
SAK
BAR $\Rightarrow$ BAR = ?
TAY
KAS
- A) 725 B) 623 C) 421
D) 124 E) 326

4. SIRA
TASA
ASIR $\Rightarrow$ SIRA = ?
RAKI
IRAK
- A) 5897 B) 7589 C) 6758
D) 4868 E) 8675

8. HİLE
İNLE
EKLE $\Rightarrow$ EHİL = ?
EHİL
İNİL
- A) 2376 B) 2462 C) 3762
D) 7576 E) 7562



9. ALSIN
ALTIN
ALTAN ⇒ **ALNIN = ?**
ALSAN
ALNIN

- A) 35262 B) 35762
C) 35462 D) 35432
E) 35732

10. KAT
TEK
TAK ⇒ **TEN = ?**
ANT
TEN

- A) 524 B) 523 C) 415
D) 514 E) 135

11. CAMI
İMAM
MAMA ⇒ **cici = ?**
CİCİ
AMMA

- A) 5252 B) 3254 C) 2552
D) 4525 E) 3434

12. SALI
ISIT
ASTI ⇒ **TASA = ?**
ATSA
TASA

- A) 3837 B) 7585 C) 5873
D) 5785 E) 8563

13. BENAN
DUYGU
YAKUP ⇒ **BENAN = ?**
KAYGU
BAKAN

- A) 10797 B) 59628 C) 69532
D) 19697 E) 42532

14. TÜRBE
TABUR
TAVUK ⇒ **TABUR = ?**
TAVAR
TÖVBE

- A) 38605 B) 37192
C) 38681 D) 38901
E) 34692

15. SİLAH
LAHİT
HİTİT ⇒ **DELİL = ?**
HİLAL
DELİL

- A) 42531 B) 53131
C) 93425 D) 76434
E) 53424

16. ÇAKIR
ÇIRAK
HARAÇ ⇒ **ÇAKIR = ?**
ÇAMUR
KIRAÇ

- A) 71302 B) 21307
C) 90307 D) 70863
E) 70213

Cevap Anahtarı – Answer Sheet

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



1. SAPIK
KASAP
KUSUR ⇒ TAKAS = ?
SAKAT
TAKAS

- A) 82917 B) 52728
C) 73834 D) 82725
E) 72829

2. ŞİMAL
CENUP
PEŞİN ⇒ CEMİL = ?
CEMİL
ALMAN

- A) 93245 B) 13579
C) 24680 D) 80685
E) 13640

3. 18575
27131
61069 ⇒ 27131 = ?
14275
26139

- A) CESUR B) SICAK
C) ESMER D) CASUS
E) SOKAK

4. ZONK
ORUN
UZUN ⇒ UZUN = ?
KURU
KORU

- A) 9897 B) 6959
C) 6259 D) 8276
E) 2597

5. SICAK
CASUS
SUSAK ⇒ SAKSI = ?
CUSAS
SAKSI

- A) 32534 B) 61323
C) 62313 D) 31325
E) 34625

6. ESESE
BABAB
CBCBC ⇒ ESESE = ?
DCDCD
FDFDF

- A) 42424 B) 65656
C) 30303 D) 13131
E) 51515

7. BAŞAK
KAŞIK
AŞKIN ⇒ ŞEBEK = ?
ŞEBEK
NİŞAN

- A) 19621 B) 34693
C) 79691 D) 65751
E) 96123

8. AYŞEN
NURAY
AYNUR ⇒ AYŞEN = ?
ŞENAY
YASİN

- A) 47519 B) 36419
C) 91024 D) 19364
E) 19475



9. SORUN
NEDEN
SEBEP ⇒ NEDEN = ?
SENET
SEPET

- A) 13536 B) 13738
C) 13638 D) 73937
E) 10247

10. KÜLAH
LABUT
HALUK ⇒ HALUK = ?
TABLA
BÜRÜT

- A) 71025 B) 03435
C) 61729 D) 93716
E) 51071

11. KEÇE
ARPA
PARA ⇒ ARPA = ?
APAK
AKÇE

- A) 8767 B) 7874 C) 7687
D) 7423 E) 4323

12. AKÇIL
ÇAKAL
AKÇAM ⇒ ÇAKIL = ?
ÇAKIL
KAÇAK

- A) 34537 B) 34589
C) 53439 D) 43534
E) 53489

13. SANAT
KONAK
SONAT ⇒ SONAT = ?
KAZAK
KONUK

- A) 85268 B) 76263
C) 86168 D) 85208
E) 75263

14. YATAY
YAMUK
OKTAY ⇒ YAMUK = ?
KOLAY
YALAK

- A) 76531 B) 13246
C) 67831 D) 13836
E) 13531

15. FİYAT
ENGİN
YENGE ⇒ GİRNE = ?
YATIR
GİRNE

- A) 45635 B) 24564
C) 93210 D) 63854
E) 21078

16. USKUR
SAKAR
KUSUR ⇒ SAKAR = ?
AKSAR
BAKAR

- A) IKSIT B) SIKIT
C) KOSOT D) OSKOT
E) YOSOT

Cevap Anahtarı – Answer Sheet

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



1. 62723
12052
64387 $\Rightarrow$ 94267 = ?
18389
94627

- A) DEFNE B) MABET
C) DURUM D) BETER
E) BARUT

2. 62738
73612
26921 $\Rightarrow$ 83175 = ?
83175
12754

- A) TEPSİ B) PASİF
C) HASET D) SEHPA
E) AHŞAP

3. 4563
5234
3456 $\Rightarrow$ 5234 = ?
4323
3254

- A) KARA B) ARIK C) IRAK
D) AKIN E) KINA

4. İKEL
ERİK
ELTİ $\Rightarrow$ TİİK = ?
TİİK
TİEL

- A)  B)  C) 
D)  E) 

5. KAYI
SAKA
KASA $\Rightarrow$ SAKA = ?
SARI
KALA

- A)  B)  C) 
D)  E) 

6. LİS
NÜG
İKİ $\Rightarrow$ OLA = ?
OLA
UNO

- A) 743 B) 529 C) 202
D) 876 E) 651

7. MAVİ
ADİL
VALİ $\Rightarrow$ LİRA = ?
LİRA
RİYA

- A) 2648 B) 8432
C) 9254 D) 3472
E) 5284

8. ELİF
İFLE
ŞİTİ $\Rightarrow$ ELİF = ?
İNİS
KEME

- A) 1983 B) 4323
C) 3819 D) 1617
E) 5101



9. İLED
ILSA
ULSU ⇒ İLLE = ?
KILI
İLLE

- A) 4005 B) 8909
C) 9071 D) 4056
E) 3073

10. AMES
AFEV
AFAS ⇒ AFEV = ?
AVAF
AMİS

- A) 2145 B) 2846
C) 2806 D) 2126
E) 2521

11. SİNE
ASİN
İVİK ⇒ SİNE = ?
AZMİ
ANAV

- A) 5251 B) 6924
C) 5692 D) 5389
E) 9197

12. İYİK
İÇİF
İVİS ⇒ UYUK = ?
AFAY
UYUK

- A) 5153 B) 8183
C) 2421 D) 8687
E) 8984

13. ÇATA
İTAÇ
ŞİNİ ⇒ EŞİG = ?
EŞİŞ
EŞİG

- A) 7262 B) 1727 C) 3080
D) 1724 E) 5803

14. ENİS
KİNE
EMİK ⇒ ENİS = ?
LİME
İNED

- A) 7593 B) 5936 C) 3457
D) 3952 E) 0543

15. ERÜK
EVÜN
ELÜĞ ⇒ ERÜK = ?
EMÜK
EMÜF

- A) 4019 B) 4613 C) 4615
D) 4213 E) 4817

16. ALAH
EMEL
ASAL ⇒ ASAL = ?
ASAK
AMAC

- A) 7475 B) 7273 C) 7278
D) 6463 E) 7379

Cevap Anahtarı – Answer Sheet

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



1. ŞİNİ
ELİŞ
İÇLE ⇒ ELİŞ = ?
ELİÇ
ELÇİ
- A) 0843 B) 0845
C) 4580 D) 3494
E) 0854

2. ASAT
ULUS
KİŞA ⇒ ULUS = ?
KILI
RAKA
- A) 0717 B) 9303
C) 3536 D) 8185
E) 0743

3. S A Z
↑ ↑ ↑ → "HAKKI" = ?
7 9 2
- A) 82991 B) 89221
C) 89771 D) 89441
E) 89431

4. ZİNEĐ
NİĞDE
NİNES ⇒ NİĞDE = ?
ZİMET
NİLEĞ
- A) 23869 B) 53064
C) 53476 D) 53561
E) 23567

5. ŞİNEG
NİREN
NİRAN ⇒ NİREN = ?
NİYEB
NARAY
- A) 57178 B) 53829
C) 53175 D) 63524
E) 53125

6. KEZET
KENİS
KENİB ⇒ KEZET = ?
TİSEK
TESEL
- A) 12324 B) 12567
C) 12568 D) 46721
E) 42729

7. KANYO
KAYAK
KALAS ⇒ KAYAK = ?
KALAM
KELEK
- A) 91419 B) 98482
C) 98483 D) 98689
E) 98765

8. İLİM
TOKU
LİLİ ⇒ ETEK = ?
ETEK
METE
- A) 3848 B) 1213 C) 8489
D) 4597 E) 2121



9. 5214
4521
4563 $\Rightarrow$ 4563 = ?
7890
0468

- A) KOLU B) KONÇ C) MERA
D) AKNE E) OLUK

10. DAYI = 3421

TEYZE = ?

- A) 79219 B) 83273
C) 56286 D) 95286
E) 89249

11. $\begin{matrix} \triangle & \bigcirc & \triangle & \blacksquare \\ \square & \triangle & \blacksquare & \blacktriangle \\ \bigcirc & \square & \triangle & \bullet \\ \triangle & \blacksquare & \square & \bullet \\ \bigcirc & \triangle & \blacksquare & \triangle \end{matrix} \Rightarrow \begin{matrix} \bigcirc & \triangle & \blacksquare & \triangle \end{matrix} = ?$

- A) 1907 B) 9605 C) 9071
D) 6078 E) 0765

12. KALEM
MERAL
SELAM $\Rightarrow$ MERAL = ?
MERAK
KEMAL

- A) 94218 B) 71849
C) 34819 D) 74918
E) 94217

13. KALE
YELE
SEKE $\Rightarrow$ KALE = ?
LEKE
KARO

- A) $\triangle \bigcirc \square \blacktriangle$ B) $\blacksquare \boxtimes \triangle \boxtimes$
C) $\square \boxtimes \triangle \boxtimes$ D) $\oplus \boxtimes \square \boxtimes$
E) $\triangle \bigcirc \square \boxtimes$

14. KASA
ÇAKA
YARA $\Rightarrow$ ÇAKA = ?
TASA
MAÇA

- A) $\bigcirc \triangle \square \triangle$ B) $\boxtimes \triangle \blacktriangle \triangle$
C) $\blacktriangle \triangle \bigcirc \triangle$ D) $\oplus \triangle \square \triangle$
E) $\square \triangle \blacksquare \triangle$

15. BARİMA
RİMMAT
PARTAL $\Rightarrow$ PARTAL = ?
MALTAM
RABİTA

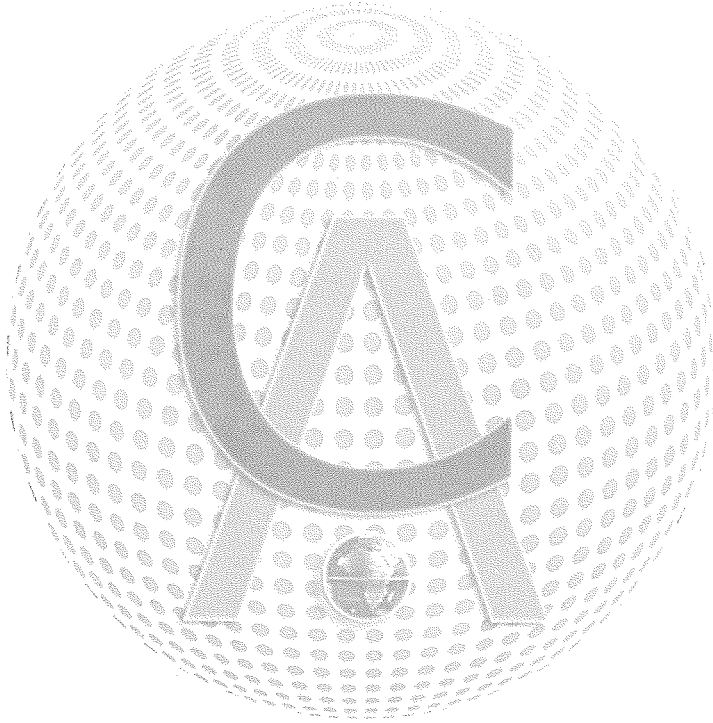
- A) $\square \triangle \bigcirc \square \boxtimes \triangle$ B) $\square \triangle \square \boxtimes \triangle \oplus$
C) $\bigcirc \triangle \square \blacktriangle \blacksquare \triangle$ D) $\square \blacktriangle \blacksquare \blacksquare \triangle \boxtimes$
E) $\blacksquare \triangle \oplus \boxtimes \triangle \blacksquare$

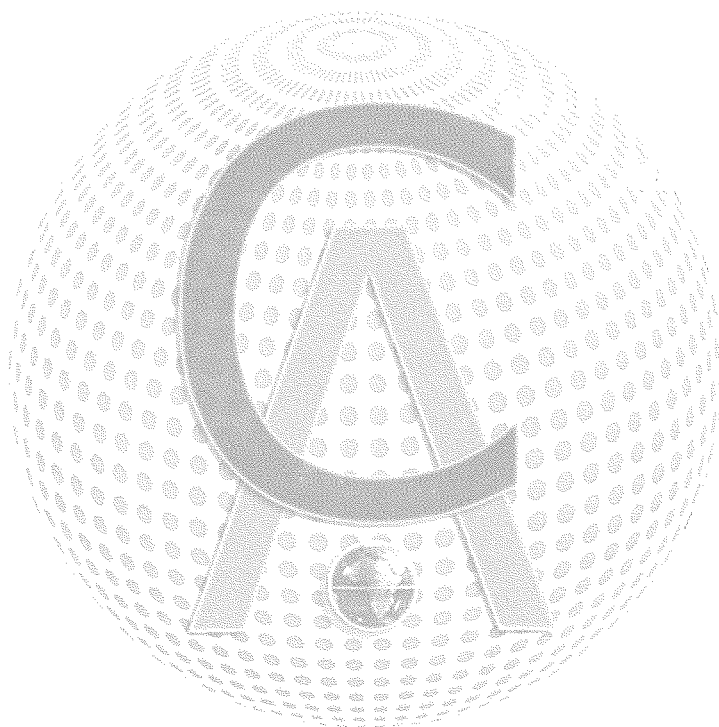
Cevap Anahtarı – Answer Sheet

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

2. BÖLÜM

SAYI DİZİLERİ







Yanlış diziyi bulunuz?

Find the wrong number series?

1. A) 5 7 1 3 2 4 B) 4 2 10 5 25
C) 2 6 5 15 14 D) 6 12 5 11 4
E) 3 -2 4 -1 5 0
2. A) 1 4 2 5 3 6 4 B) 2 4 -1 1 -4
C) 36 25 16 8 4 D) 2 4 8 16 32
E) 9 7 5 3 1
3. A) 4 10 2 8 0 B) 4 2 0 -2 -4
C) 1 5 13 29 61 D) 10 9 8 7 6 5
E) 12 9 28 64
4. A) 2 5 10 17 B) 4 9 16 25
C) 1 4 3 6 5 8 D) 16 8 6 3 1 0
E) 1 6 3 8 5 10
5. A) 6 4 5 10 8 9 18 B) 3 1 -2 -4 -7
C) 16 4 2 1 D) 18 9 10 5 6
E) 15 13 26 24 48
6. A) 3 5 4 6 5 B) 1 2 6 7 21
C) 8 4 6 3 5 D) 12 8 9 5 6
E) 7 5 8 6 20
7. A) 16 4 2 $\sqrt{2}$ B) 1 3 7 15 31
C) -1 0 2 5 9 D) 17 13 10 8 6
E) 36 30 25 21 18
8. A) 5 4 6 3 7 6 B) 4 6 5 7 6 8
C) 3 2 1 0 -1 D) 4 5 3 4 2 3
E) -1 1 0 2 1
9. A) -2 3 1 6 4 B) 4 3 6 5 12 9
C) 1 -1 -3 -5 -7 D) 18 9 8 4 3
E) $1/2$ 2 1 4 3



10. A) -8 -5 -4 -1 0 B) -4 -1 -2 1 0 4
C) 6 8 4 6 3 5 D) 19 21 24 28 33
E) 29 39 48 56 63

11. A) 5 -1 2 -4 -1 -7 B) 65 54 43 32 21
C) 6 21 25 28 30 D) 6 5 4 3 2 1 0
E) 7 8 9 10 11 12

12. A) 1 4 9 16 25 B) 34 32 30 28 26
C) -6 -3 -4 -1 0 1 D) 108 86 64 42 20
E) -4 -1 2 5 8

13. A) 8 12 17 23 31 B) 6 4 9 7 12 10
C) 5 8 7 10 9 12 D) 6 4 2 0 -2 -4
E) 21 19 16 12 7

14. A) 3 6 10 20 24 B) 3 4 2 3 1 2
C) 7 13 8 14 9 15 D) 3 1 4 2 8 6 24
E) 1 5 2 6 3 7 2

15. A) 6 4 9 7 12 10 B) 2 7 4 9 6 11
C) 6 3 15 $7\frac{1}{2}$ $37\frac{1}{2}$ D) 5 2 8 5 25 17
E) 7 9 10 10 13 11

Aşağıdaki dizilerde soru işaretinin yerine gelecek sayıyı bulunuz.

16. 4 12 11 33 32 ?
A) 31 B) 82 C) 94 D) 96 E) 106

17. 4 2 11 6 31 39 90 ? ?
A) 1826 - 1230 B) 1904 - 152
C) 1525 - 266 D) 1545 - 266
E) 1980 - 1525

18. 5 3 6 5 8 10 11 12 15 24 ? ?
A) 20 - 26 B) 21 - 25 C) 25 - 21
D) 26 - 20 E) 22 - 27

Cevap Anahtarı – Answer Sheet

1.A	2.C	3.E	4.D	5.C	6.E
7.D	8.A	9.B	10.B	11.C	12.C
13.A	14.E	15.D	16.D	17.C	18.A



1. 2 3 5 6 15 5 18 8 ? ?

A) 54 – 7 B) 7 – 54 C) 36 – 9

D) 9 – 36 E) 12 – 72

2. 12 10 8 13 ?

15 17 19 14 ?

A) (11, 17) B) (10, 19) C) (14, 12)

D) (18, 9) E) (16, 13)

3. 18 120 72 ?

121 19 67 ?

A) (112, 27) B) (123, 26) C) (81, 68)

D) (76, 83) E) (61, 88)

4. 1632 1436 2440 ?

88 79 1210 ?

A) (1984, 921) B) (2616, 138)

C) (368, 182) D) (8223, 364)

E) (4351, 175)

5. 622 84 592 ?

311 168 296 ?

A) (744, 1268) B) (428, 214) C) (317, 634)

D) (36, 16) E) (68, 34)

6. 525 181 1217 ?

262.5 90.5 608.5 ?

A) (21, 11.5) B) (48, 96) C) (122, 61)

D) (1216, 603) E) (77, 35)

7. 71 23 18 ?

142 69 72 ?

A) (10.5, 52.5) B) (8.5, 34) C) (21, 115)

D) (63, 335) E) (67, 395)

8. 61 28 12 ?

183 7 60 ?

A) (7, 42) B) (2, 16) C) (4, 16)

D) (12, 3) E) (72, 12)



9. 7 21 11 ?
42 3 88 ?

- A) (2, 18) B) (94.5, 10.5) C) (71, 11.5)
D) (123.5, 11.5) E) (485, 67.5)

10. 63 97 164 ?
71 105 172 ?

- A) (77, 55) B) (55, 77) C) (8, 18)
D) (52, 60) E) (92, 80)

11. 3 9 8 24 23 ? 68
A) 65 B) 66 C) 67 D) 69 E) 71

12. ? 4 2 6 9 7 21

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

13. 3 6 5 10 8 16 13 26 ?

- A) 5 B) 18 C) 19 D) 21 E) 22

14. 2 6 3 4 12 9 ? 30 27

- A) 10 B) 13 C) 14 D) 17 E) 23

15. 5 ? 7 7 14 11 16 15 ?

- A) 32, 4 B) 3, 32 C) 13, 5
D) 32, 7 E) 3, 8

16. 4 9 9 6 ? 3 16 0 18 ? 19

- A) 4 / 5 B) 12 / 6 C) 13 / -3
D) 14 / 2 E) 15 / -10

Cevap Anahtarı – Answer Sheet

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



1. 1 2 3 5 6 4 10 7 15 6 ? ?

- A) $24 - 3$ B) $11 - 28$ C) $17 - 40$
D) $21 - 9$ E) $21 - 19$

2. 3 80 18 40 9 20 54 10 27 5 ? ?

- A) $142 - 3$ B) $118 - 29$ C) $162 - 2\frac{1}{2}$
D) $72 - 33$ E) $24 - 9$

3. 47 39 31 ? 15

- A) 13 B) 16 C) 21 D) 23 E) 24

4. 12 13 ? 14 10 15 9

- A) 8 B) 10 C) 11 D) 12 E) 15

5. 400 361 324 289 256 ?

- A) 245 B) 225 C) 196 D) 169 E) 144

6. 2 8 4 10 5 ?

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

Aşağıdaki dizilerde bir terim kurala uymamaktadır. Bu terim hangisidir?

7. 2 3 5 8 11 17 23

- A) 3 B) 8 C) 11 D) 17 E) 23

8. 18 15 16 13 14 10 12 9

- A) 9 B) 10 C) 13 D) 15 E) 18



9. 2 8 3 6 5 4 8 2 15 0 17

A) 2 B) 5 C) 8 D) 15 E) 17

10. 1 8 14 4 4 12 10 2 10 22 1 17

A) 1 B) 2 C) 4 D) 8 E) 17

11. 5 2 9 5 17 11 33 23 65 45

A) 17 B) 23 C) 33 D) 45 E) 65

12. 1 3 2 2 5 1 26 1

A) 1 B) 3 C) 4 D) 5 E) 26

13. 24 11 21 13 18 15 15 17 11 19 9

A) 9 B) 11 C) 15 D) 18 E) 19

14. 54 4 48 3 42 2 36 1 28 0 24

A) 0 B) 1 C) 24 D) 28 E) 54

15. 5 6 8 11 15 20 26 34

A) 8 B) 11 C) 20 D) 26 E) 34

16. 108 17 54 9 27 $4\frac{1}{2}$ $13\frac{1}{2}$ $2\frac{1}{4}$

A) $4\frac{1}{2}$ B) 9 C) 17 D) 27 E) 108

Cevap Anahtarı – Answer Sheet

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



Aşağıdaki dizelerde bir terim kurala uymamaktadır. Bu terim Hangisidir ?

1. 32 51 21 43 10 29 -1 27
A) 32 B) -1 C) 43 D) 29 E) 51

2. 18 2 9 3 $4\frac{1}{2}$ 6 $2\frac{1}{4}$ 12
A) 2 B) $2\frac{1}{4}$ C) 3 D) $4\frac{1}{2}$ E) 9

3. 5 4 8 10 2 16 16 1 32 40 $\frac{1}{2}$ 64 80
A) 64 B) 16 C) 8 D) 1 E) $\frac{1}{2}$

4. 1 2 4 8 16 18 64 128
A) 1 B) 8 C) 18 D) 64 E) 128

5. 4 3 6 5 10 20 18
A) 20 B) 18 C) 10 D) 6 E) 5

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

7. 1 4 2 5 $2\frac{1}{2}$ $2\frac{1}{4}$
A) 5 B) 4 C) $2\frac{1}{2}$ D) $2\frac{1}{4}$ E) 2

8. 1 4 14 45 134
A) 134 B) 45 C) 14 D) 4 E) 1



9. 2 3 5 9 18 33

A) 33 B) 18 C) 5 D) 3 E) 2

10. 3 4 6 10 16 34

A) 16 B) 10 C) 6 D) 4 E) 3

11. 3 5 9 17 35 65

A) 65 B) 35 C) 17 D) 9 E) 5

12. 1 4 5 2 9 1 13 $\frac{1}{4}$

A) 13 B) 9 C) 5 D) 4 E) $\frac{1}{4}$

13. 2 5 12 31 84

A) 84 B) 31 C) 12 D) 5 E) 2

14. 2 7 22 67 201

A) 2 B) 7 C) 22 D) 69 E) 201

15. 3 12 6 5 20 14 9

A) 20 B) 14 C) 6 D) 5 E) 3

16. 247 213 179 146 111

A) 247 B) 213 C) 179 D) 146 E) 111

Cevap Anahtarı – Answer Sheet

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



1. 2 7 14 23 34 47 ?

A) 52 B) 54 C) 58 D) 62 E) 65

5. 2 5 14 41 ?

A) 74 B) 120 C) 122 D) 140 E) 142

2. 16 36 64 100 ?

A) 116 B) 120 C) 126 D) 132 E) 144

6. 1 9 25 49 ?

A) 66 B) 72 C) 80 D) 81 E) 92

3. 14 21 30 43 64 ?

A) 77 B) 79 C) 82 D) 101 E) 104

7. 7 22 68 207 ?

A) 226 B) 382 C) 625 D) 804 E) 860

4. 4 10 22 46 94 ?

A) 72 B) 144 C) 188 D) 190 E) 201

8. 9 0 18 3 6 6 12 9 4 18 8 ?

A) 6 B) 9 C) 8 D) 16 E) 21



9. 5 8 6 9 7 10 ?

A) 17 B) 12 C) 9 D) 8 E) 7

10. 8 10 9 12 11 15 14 ?

A) 12 B) 17 C) 18 D) 19 E) 20

11. 5 10 8 9 18 16 17 ?

A) 30 B) 32 C) 34 D) 36 E) 44

12. 340 643 946 1249 ?

A) 15412 B) 14541 C) 24541
D) 6432 E) 15745

13. 44 25 26 57 29

52 42 52 92 ?

A) 82 B) 73 C) 62 D) 42 E) 32

14. 124 248 3612 ?

A) 7224 B) 4816 C) 4724

D) 8631 E) 61224

15. 21 22 23 33 25 ? 63

A) 17 B) 24 C) 34 D) 36 E) 92

16. $2\frac{4}{6}$, $9\frac{11}{13}$, $4\frac{6}{8}$, ? $6\frac{8}{10}$

A) $10\frac{12}{14}$ B) $11\frac{13}{15}$ C) $14\frac{10}{20}$

D) $12\frac{3}{4}$ E) $8\frac{10}{12}$

Cevap Anahtarı – Answer Sheet

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



1. $\frac{1}{4}, \frac{3}{4}, \frac{15}{4}, \frac{45}{4}, \frac{57}{4}, ?$

A) $\frac{69}{4}$

B) $\frac{81}{4}$

C) $\frac{92}{4}$

D) $\frac{171}{4}$

E) $\frac{196}{4}$

2. 6967 5856 4745 ? 2523

A) 3735

B) 3634

C) 2826

D) 2624

E) 4645

3. 1 8 9 64 25 ?

A) 73

B) 81

C) 100

D) 216

E) 256

4. 12 6 9 8 4 7 6 3 ?

A) 9

B) 8

C) 6

D) 4

E) 2

5. 24 36 50 66 84 ?

A) 92

B) 98

C) 102

D) 104

E) 112

6. 2 4 12 24 72 ?

A) 142

B) 144

C) 146

D) 152

E) 216

7. 6 30 15 75 60 ?

A) 45

B) 120

C) 600

D) 300

E) 360

8. 1 2 5 12 ?

A) 17

B) 24

C) 27

D) 28

E) 32



9. 3 2 7 40 9 80 ?

A) 0 B) 1 C) 13 D) 96 E) 160

10. 2 3 8 27 112 ?

A) 226 B) 280 C) 560 D) 565 E) 550

11. 25 49 81 121 ?

A) 140 B) 167 C) 169 D) 186 E) 196

12. 48 24 34 17 27 ?

A) 13 B) 17 C) 14 D) 37 E) $13\frac{1}{2}$

13. 85 40 18 $7\frac{1}{2}$?

A) $5\frac{1}{2}$ B) $3\frac{1}{2}$ C) 2
D) $2\frac{3}{4}$ E) $2\frac{1}{4}$

14. 2 2 0 -4 ?

A) 16 B) 7 C) 3 D) -8 E) -10

15. 36 38 34 42 26 ?

A) 58 B) 56 C) 55 D) 52 E) 22

16. 2 8 4 10 5 ?

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

Cevap Anahtarı – Answer Sheet

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



SAYI DİZİLERİ

TEST – 7

1. 1 4 8 6 9 18 16 19 ?

A) 36 B) 37 C) 38 D) 39 E) 48

5. 0 4 18 48 100 ?

A) 110 B) 136 C) 150 D) 165 E) 180

2. 3 4 5 9 9 19 17 ? 33

A) 18 B) 22 C) 36 D) 39 E) 44

6. 17 119 1071 ?

A) 2142 B) 4281 C) 1204
D) 1071 E) 1072

3. $\frac{1}{2}$ 26 90 186 ?

A) 189 B) 375 C) 378 D) 561 E) 572

7. 2 3 6 9 18 ?

A) 34 B) 27 C) $40\frac{1}{2}$
D) 42 E) $41\frac{2}{3}$

4. 387 262 198 171 163 ?

A) 136 B) 142 C) 160 D) 162 E) 176

8. 32 23 19 91 87 ?

A) 76 B) 78 C) 83 D) 92 E) 94



9. 7,6 13 18,4 23,8 ?

A) 28,2 B) 29 C) 27,4 D) 29,2 E) 28,4

10. 4 12 48 240 ?

A) 1540 B) 1444 C) 1460
D) 1440 E) 1560

11. 15 18 12 21 9 ?
8 5 11 2 14 ?

A) (33, 29) B) (24, -11) C) (24, 1)
D) (-9, 29) E) (24, -1)

12. 85 61 37 ?
29 21 13 ?

A) (11, 3) B) (27, 9) C) (13, 5)
D) (24, 8) E) (14, 4)

13. 15 21 9 27 ?
22 16 28 10 ?

A) (3, 34) B) (1, 8) C) (9, 28)
D) (21, 16) E) (33, 4)

14. 205 185 225 165 ?
123 143 103 163 ?

A) (245, 83) B) (125, 143) C) (185, 183)
D) (205, 203) E) (143, 123)

15. 625 125 25 ?
3 9 27 ?

A) (5, 81) B) (243, 5) C) (1, 729)
D) (1, 1) E) (12, 52)

16. 2 4 8 16 32
5 10 20 40 ?

A) 40 B) 60 C) 80 D) 120 E) 160

Cevap Anahtarı – Answer Sheet

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



1. 5 15 23 29 33 35
12 24 34 42 48 ?

A) 45 B) 52 C) 54 D) 55 E) 58

5. 3 4 5 9 9 19 17 ?

A) 18 B) 22 C) 44 D) 36 E) 39

2. 32 47 62 77 92
11 23 35 47 ?

A) 59 B) 71 C) 95 D) 107 E) 119

6. 130 66 34 18 ?

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

3. $2\frac{1}{4}$ $1\frac{3}{4}$ $1\frac{1}{4}$ $\frac{3}{4}$
3,75 3,25 2,75 ?

A) 2,25 B) 1,75 C) 1,25 D) 0,75 E) 0,25

7. 2 16 54 164 ?

A) 402 B) 486 C) 490 D) 492 E) 498

4. 1 4 8 6 9 18 16 19 ?

A) 36 B) 37 C) 38 D) 39 E) 48

8. 2 6 2 6 3 9 7 21 ?

A) 20 B) 21 C) 24 D) 28 E) 63



9. 1 4 12 9 12 36 33 36 ? ?

- A) 108–105 B) 39–117 C) 33–39
D) 108–111 E) 39–108

10. 1 3 6 8 16 18 ? ?

- A) 36, 38 B) 20, 40 C) 36, 40
D) 20, 22 E) 32, 34

11. 720 120 24 ? 2 1

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

12. 2 5 4 21 6 64 8 ? 10

- A) 76 B) 98 C) 112 D) 129 E) 136

13. 2 5 6 9 4 3 12 9 10 13 30 $4\frac{1}{3}$ 28 ?

- A) 60 B) 14 C) 13 D) 12 E) $12\frac{1}{3}$

14. 10 20 5 30 40 10 ? 70

- A) 5 B) 20 C) 40 D) 60 E) 65

15. 3 6 18 72 ?

- A) 350 B) 362 C) 360 D) 324 E) 354

16. 4 6 9 13,5 ?

- A) 27 B) 19,75 C) 20,25
D) 18,75 E) 21

Cevap Anahtarı – Answer Sheet

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



1. 6 13 32 69 130 ?
A) 164 B) 172 C) 190 D) 215 E) 221

2. 1 4 3 2,3 9 0,6 27 ?
A) 1,1 B) 1 C) 0,9 D) 0,1 E) -1,1

3. -7 2 -8 1 -9 0 ? -1
A) -11 B) -10 C) -9 D) -6 E) 10

4. ? 8 16 28 42 60 80 ?
A) 3 -102 B) 2 -104 C) 5 -95
D) 6 -103 E) 2 -102

5. $\frac{3}{4}$ 3 $5\frac{1}{4}$ $7\frac{2}{4}$ $9\frac{3}{4}$?
A) 6 B) $10\frac{5}{4}$ C) $11\frac{3}{4}$
D) $11\frac{3}{2}$ E) 12

6. I. 3 7 15 31

II. ?

- A) 2 5 11 24 B) 5 10 21 43
C) 3 7 13 27 D) 4 9 19 39
E) 1 3 5 1

7. I. 2 5 14 41

II. ?

- A) 4 11 30 31 B) 3 8 23 68
C) 5 16 47 130 D) 7 20 59 177
E) 1 2 5 16

8. I. 2 4 2 6 3
II. 4 8 6 18 15
III. 5 10 8 24 21
IV. ?

- A) 3 6 3 9 6 B) 6 12 10 30 33
C) 7 21 18 36 34 D) 1 2 0 0 3
E) 3 6 4 12 9



9. I. 1 2 4 2 4 6 4
II. 2 6 9 6 18 21 18
III. 1 4 8 4 16 20 16
IV. ?

- A) 4 20 25 20 100 105 110
B) 3 15 20 15 75 70 75
C) 1 5 10 5 25 20 25
D) 2 10 5 10 50 55 50
E) 3 15 20 15 75 80 75

10. 48 24 ? 6 3
A) 96 B) 72 C) 24 D) 18 E) 12

11. 9 25 ? 81 121
A) 16 B) 36 C) 49 D) 100 E) 144

12. I. 2 4 12 15
II. 3 5 15 18
III. 4 6 18 21
IV. 6 ? ? ?

- A) 12 24 27 B) 10 30 33
C) 8 24 27 D) 8 16 19
E) 8 24 21

13. I. 1 4 12 24
II. 3 12 36 72
III. 4 16 48 96
IV. 2 8 ? ?

- A) 16 – 48 B) 24 – 48 C) 32 – 64
D) 16 – 32 E) 24 – 96

14. 2 6 4 5 15 13 14 42 ? 41
A) 44 B) 40 C) 38 D) 37 E) 36

15. 60 15 5 $2\frac{1}{2}$?
A) 1 B) $1\frac{1}{2}$ C) $1\frac{1}{3}$ D) $2\frac{1}{2}$ E) $3\frac{1}{2}$

16. 354 543 435 354 ?

- A) 345 B) 354 C) 435 D) 453 E) 543

Cevap Anahtarı – Answer Sheet

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



1. 12 8 5 3 2 ?

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

2. $\frac{1}{4}$ $\frac{1}{2}$ $\frac{1}{8}$ $\frac{1}{4}$ $\frac{1}{16}$?

A) $\frac{1}{4}$ B) $\frac{1}{8}$ C) $\frac{1}{12}$ D) $\frac{1}{32}$ E) $\frac{1}{64}$

3. $\frac{1}{8}$ $\frac{1}{16}$ $\frac{1}{2}$ $\frac{1}{4}$ 2 ?

A) 4 B) 1 C) $\frac{1}{2}$ D) $\frac{1}{8}$ E) $\frac{1}{32}$

4. 2 3 6 11 18 ?

A) 27 B) 26 C) 25 D) 24 E) 23

5. 2 4 12 48 ?

A) 96 B) 120 C) 236 D) 240 E) 480

6. 5 2 7 9 16 ?

A) 22 B) 24 C) 25 D) 27 E) 30

7. 2 7 10 18 29 ?

A) 44 B) 46 C) 47 D) 48 E) 58

8. 3 8 12 15 17 ?

A) 15 B) 16 C) 18 D) 20 E) 24



9. $\frac{1}{\sqrt{2}}$ 1 $\sqrt{2}$ 2 ?

- A) 4 B) $2\sqrt{2}$ C) $\sqrt{6}$
D) $2+\sqrt{2}$ E) $2-\sqrt{2}$

10. 3 8 22 63 ?

- A) 105 B) 124 C) 135 D) 149 E) 185

11. 6 7 12 18 29 ?

- A) 45 B) 46 C) 47 D) 48 E) 49

12. I. $\Delta A \square K L$

II. $\square L K \Delta A$

III. $O P + 2 \Delta$

IV. ?

A) $+ \Delta 2 O P$ B) $\Delta 2 + O P$

C) $2 O P + \Delta$ D) $P + \Delta 2 O$

E) $+ \Delta 2 P O$

13. I. 25 29 33 37

II. 25 21 17 13

III. 20 26 32 38

IV. ?

A) 22 28 34 40 46

B) 26 30 34 38 42

C) 44 40 36 32 28

D) 37 31 25 19 13

E) 25 20 15 10 5

14. I. 2 4 5 10 11

II. 3 6 5 10 9

III. 4 8 11 22 25

IV. ?

A) 5 10 12 24 26

B) 6 12 11 22 21

C) 5 10 7 14 11

D) 4 8 9 18 19

E) 4 2 4 8 10

Cevap Anahtarı – Answer Sheet

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



1. I. 3 6 8 16 18
II. 2 6 9 27 30
III. 1 4 8 32 36
IV. ?

A) 4 8 9 18 19 B) 5 15 12 36 33
C) 2 10 14 70 74 D) 3 9 11 33 35
E) 2 10 15 75 80

2. I. 4 5 15 16 48
II. 2 6 7 21 22
III. 1 4 16 19 76
IV. ?

A) 2 5 20 23 92 B) 3 12 15 60 63
C) 12 16 48 52 D) 5 6 18 19 57
E) 1 4 5 20 21

3. I. 28 29 32 33 36
II. 12 15 16 19 20
III. 7 12 18 23 29
IV. ?

A) 3 9 14 20 25 B) 27 31 32 36 38
C) 4 7 10 13 16 D) 42 45 46 49 52
E) 61 66 71 76 81

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) 8 4 6 3 5 2 1/2 B) 3 7 7/3 11/3 3 11/2
C) 5 6 4 5 3 4 2 D) 8 4 6 3 5 5/2
E) 1 7 3 1/2 10 5

5. I. 2 10 9 45 44
II. 20 4 5 1 2
III. 3 9 8 24 23
IV. ?

A) 9 3 2 2/3 5/3 B) 29 29/3 31/3 36
C) 21 20 24 23 D) 18 6 12 6 5 4
E) 27 9 10 10/3 13/3

6. I. 7 9 4 6 1 3
II. 20 25 23 28 26 31
III. 17 25 22 30 27 35
IV. ?

A) 12 15 9 17 11 B) 22 25 24 27 25
C) 4 7 -1 2 -6 -3 D) 6 13 11 18 16 21
E) 8 11 14 17 20



7. I. 8 6 11 9 14
II. 5 7 2 4 -1
III. 19 18 22 21 25
IV. ?

A) 7 8 5 6 3 B) 61 62 58 59 55
C) 7 13 12 18 11 D) 31 32 30 31 29
E) 71 77 72 79 78

8. I. 5 6 8 11 15
II. 27 26 24 21 17
III. 13 18 24 31 39
IV. ?

A) 41 36 30 21 11 B) 58 53 49 46 44
C) 63 58 52 45 37 D) 42 37 31 27 20
E) 29 38 48 59 71

9. I. 27 29 31 33 35
II. 6 12 24 48 96
III. 61 62 63 64 65
IV. ?

A) 3 9 27 81 243 B) 14 28 56 112 224
C) 9 9 18 18 36 D) 6 6 12 36 244
E) 17 17 17 17 17

10. I. 9 13 6 10 3 7
II. 5 1 8 4 11 7
III. 6 15 12 21 18 27
IV. ?

A) 22 13 16 7 10 1 B) 37 34 25 22 3 10
C) 4 13 16 25 28 37 D) 5 2 11 7 17 12
E) 3 9 12 36 39 117

11. I. 4 12 6 18 9
II. 4 24 6 36 9
III. 25 5 10 2 4
IV. ?

A) 4 20 10 50 25 125 B) 50 5 20 2 8
C) 3 9 15 21 27 D) 100 20 40 4 8
E) 3 6 9 18 21

12. I. 15 30 10 40 8
II. 24 12 36 9 45
III. 72 360 90 270 135
IV. ?

A) 100 20 90 16 64 B) 480 96 24 9 2
C) 105 21 84 28 56 D) 105 21 25 5 9
E) 95 19 15 15 5 3

Cevap Anahtarı – Answer Sheet

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



1. I. 5 8 11 14 17
II. 42 39 36 33 30
III. 8 14 20 26 32
IV. ?

A) 55 48 41 34 27 B) 48 43 38 33 28
C) 46 40 34 28 22 D) 69 64 60 57 55
E) 91 85 78 70 61

2. I. 4 7 10 13 16
II. 3 9 15 21 27
III. 15 12 9 6 3
IV. ?

A) 68 62 55 47 38 B) 88 82 77 73 70
C) 94 85 76 67 58 D) 37 31 25 19 13
E) 95 91 87 83 79

3. I. 72 78 83 87 90
II. 720 120 24 6 2
III. 49 53 56 58 59
IV. ?

A) 6 24 72 144 144 B) 144 36 12 6 6
C) 96 96 49 16 4 D) 512 128 32 8 2
E) 432 108 36 9 3

4. I. 16 20 10 14 7
II. 9 5 10 6 12
III. 21 27 9 15 5
IV. ?

A) 7 13 39 45 135 B) 13 7 14 8 16
C) 8 5 30 27 162 D) 15 9 27 21 63
E) 41 35 38 32 35

5. I. 21 24 30 42 66
II. 73 69 61 45 13
III. 40 42 46 54 70
IV. ?

A) 91 86 76 56 16 B) 47 44 38 26 2
C) 94 80 72 60 44 D) 27 31 37 49 73
E) 63 58 48 33 13

6. I. 39 23 15 11 9
II. 57 33 21 15 12
III. 93 53 33 23 18
IV. ?

A) 98 50 26 14 8 B) 6 38 54 62 66
C) 137 90 53 26 9 D) 92 52 32 17 7
E) 9 39 54 64 69



7. I. 2 6 9 27 30
II. 198 66 63 21 18
III. 4 16 20 80 84
IV. ?

- A) 48 12 16 4 8 B) 4 16 12 48 44
C) 3 12 16 64 68 D) 400 100 96 24 20
E) 32 8 16 4 8

8. I. 3 8 13 18 23
II. 37 30 23 16 9
III. 47 53 59 65 71
IV. ?

- A) 61 53 44 34 23 B) 37 29 21 13 5
C) 42 33 24 15 6 D) 54 43 32 21 12
E) 92 76 60 44 28

9. I. 11 16 21 26 31
II. 6 9 12 15 18
III. 7 13 19 25 31
IV. ?

- A) 26 30 35 41 48 B) 49 53 56 58 59
C) 15 23 31 39 47 D) 57 53 49 45 41
E) 14 18 22 26 30

10. I. 6 12 24 48 96
II. 48 24 12 6 3
III. 2 6 18 54 162
IV. ?

- A) 112 56 28 14 7 B) 64 32 16 8 8
C) 405 135 45 15 5 D) 5880 1470 294 49 7
E) 1080 360 90 19 3

11. I. 5 10 50 100 500
II. 5 15 90 270 1620
III. 41 39 34 32 27
IV. ?

- A) 41 44 50 53 59 B) 53 50 44 41 35
C) 72 74 79 81 87 D) 61 58 64 61 67
E) 88 91 85 88 82

12. I. 17 15 13 11 9
II. 3 5 7 9 11
III. 45 42 39 36 33
IV. ?

- A) 23 26 29 32 35 B) 23 21 19 17 15
C) 34 31 27 24 21 D) 8 12 14 17 20
E) 12 16 20 24 28

Cevap Anahtarı – Answer Sheet

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



1. I. 2 4 8 16 32
II. 12 14 16 18 20
III. 1 4 16 64 256
IV. ?

A) 8 12 16 21 26 B) 3 6 12 24 48
C) 11 15 19 23 27 D) 5 7 9 11 13
E) 4 8 11 13 14

2. I. 4 5 6 7 8
II. 2 5 8 11 14
III. 2 7 12 17 22
IV. ?

A) 16 22 28 34 40 B) 43 38 33 28 23
C) 28 35 43 52 62 D) 5 12 19 26 33
E) 23 30 24 19 15

3. 5 6 13 14 21 3 3 21 21 147
A) 7 9 17 19 28 3 6 14 28 36
B) 18 21 30 33 42 4 12 3 9 0
C) 13 17 27 31 41 7 11 120 114 1140
D) 27 30 39 42 51 2 6 54 57 66
E) 11 13 21 23 31 3 6 48 96 768

4. I. 5 6 9 14 21
II. 23 16 11 8 7
III. 7 9 13 19 27
IV. ?

A) 52 44 36 28 20 B) 49 41 34 28 23
C) 57 49 40 30 19 D) 26 34 40 44 46
E) 28 20 14 10 8

5. I. 8 10 12 14 16
II. 3 8 13 18 23
III. 6 10 14 18 22
IV. ?

A) 42 48 54 60 66 B) 5 12 19 26 33
C) 67 75 87 99 107 D) 8 12 17 23 30
E) 26 30 33 35 36

6. I. 19 17 15 13 11
II. 35 31 27 23 19
III. 17 19 21 23 25
IV. ?

A) 15 19 23 27 31 B) 41 47 53 59 65
C) 26 34 42 50 58 D) 82 88 90 94 98
E) 46 50 55 61 68



7. I. 1 5 4 20 19
II. 1 0 0 -1 -5 -6
III. 2 8 6 24 22
IV. ?

- A) 3 9 8 24 23 B) 2 1 5 4 20
C) 6 5 20 18 90 89 D) 7 49 20 39 30
E) 17 15 60 58 232

8. I. 2 4 8 10 20 22 44
II. 5 2 6 3 9 6 18
III. 6 7 7 8 8 9 9
IV. ?
- A) 2 3 6 7 14 15 30 B) 4 6 6 8 8 10 10
C) 3 5 10 13 24 26 52 D) 4 2 4 2 4 2 4
E) 3 6 8 16 18 36 38

9. 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 B) 36 28 22 18 16 16
C) 30 28 24 22 18 16 D) 54 52 48 42 34 24
E) 27 26 24 21 17 12

10. 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) 28 20 22 16 20 16 22 20
B) 20 22 14 18 12 18 14 22
C) 21 20 25 23 27 24 27 23
D) 32 34 30 32 28 30 26 28
E) 22 23 25 28 32 37 43 50

11. I. 16 32 8 16 4 8 2
II. 8 6 10 8 12 10 14
III. 10 40 20 80 40 160 80
IV. ?

- A) 20 80 40 80 320 160
B) 20 18 22 20 24 22 26
C) 20 16 18 14 16 12 14
D) 20 16 32 28 56 52 104
E) 20 24 12 16 8 12 6

12. I. 3 12 10 40 38 152
II. 4 12 9 27 24 72
III. 144 48 54 18 24 8
IV. ?

- A) 6 3 10 5 12 6 13
B) 72 18 24 6 12 3
C) 6 13 20 10 5 12 19
D) 129 43 48 16 21 7
E) 15 22 11 18 9 16

Cevap Anahtarı – Answer Sheet

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



1. I. 3 1 4 2 5 3 6
II. 4 1 5 2 6 3 7
III. 2 4 8 16 20 40 44
IV. ?

- A) 3 12 14 56 58 232 234
B) 3 6 10 20 24 48 52
C) 3 0 4 1 5 2 6
D) 3 9 14 42 47 141 146
E) 3 8 24 29 87 92 276

2. I. 2 8 7 12 10 14 11
II. 14 8 9 4 6 2 5
III. 2 10 8 14 10 14 8
IV. ?

- A) 14 6 8 2 6 2 8
B) 14 22 20 26 22 26 20
C) 14 20 19 24 22 26 23
D) 14 12 20 16 22 16 20
E) 14 15 9 11 6 9 5

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

- A) 68 75 82 89 96 104
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

4. 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 9 6 18 15 35
C) 3 9 6 18 15 45
D) 3 6 18 21 63 66
E) 3 6 9 27 81 84

5. 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 9 6 18 15 45 42
C) 3 7 11 15 19 23 27
D) 4 12 9 27 24 72 59
E) 3 12 6 24 12 48 24

6. I. 5 3 9 7 21 19
II. 5 15 13 39 37 111
III. 5 10 17 34 41 82
IV. ?

- A) 5 35 37 259 261 268
B) 5 7 49 51 357 359
C) 5 12 24 31 62 69
D) 5 10 20 27 34 68
E) 5 7 9 63 441 443



7. I. 2 6 9 27 30 90 93
II. 2 8 12 48 52 208 212
III. 4 8 6 12 10 20 18
V. ?

- A) 4 12 15 45 48 144 147
B) 6 18 15 45 42 129 126
C) 4 1 3 0 0 -3 -9
D) 54 16 20 80 76 304 308
E) 4 12 9 27 24 72 69

8. I. 2 3 5 8 12 17 23
II. 40 39 37 34 30 25 19
III. 3 5 9 15 23 33 45
V. ?

- A) 60 58 56 54 52 50 48
B) 60 59 58 57 56 55 54
C) 60 58 54 48 40 30 18
D) 60 59 57 54 50 45 39
E) 60 57 51 42 30 16 0

9. 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 7 14 19 38 43
C) 2 4 6 30 150 152
D) 2 10 50 52 54 270
E) 2 7 12 24 48 96

10. I. 30 35 33 38 36 41
II. 30 25 27 22 24 19
III. 30 37 34 41 38 45
IV. ?

- A) 30 33 36 29 32 25
B) 30 33 26 29 22 25
C) 30 23 16 19 21 24
D) 30 27 34 31 38 35
E) 30 23 26 19 22 15

11. I. 2 3 3 4 4
II. 3 5 10 12 24
III. 4 7 21 24 72
IV. ?

- A) 5 20 24 96 100
B) 5 10 50 55 275
C) 4 8 32 35 140
D) 5 9 32 40 160
E) 5 9 36 40 160

12. I. $3 + PR + 4 + M + K$
II. $+ K3 + PR + 4 + M$
III. $+ M + K3 + PR + 4$
IV. ?

- A) $+ M + K3 + PR + 4$
B) $+4 + MK + 3 + PR$
C) $+ PR + 4 + M + K3$
D) $+4 + M + K3 + PR$
E) $+4 + M + K + PR + 3$

Cevap Anahtarı – Answer Sheet

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



1. 9 7 35 38 36 180 183 ?

A) 179 B) 180 C) 181 D) 185 E) 186

2. I. 6 4 8 9
II. 5 11 4 7
III. 8 5 9 5
IV. 8 7 6 ?

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

3. 39 36 12 9 3 18 16 8 6 3

A) 121 114 19 12 2 8 2 10 4 20
B) 86 80 16 10 2 7 13 3 8 2
C) 64 60 15 12 4 39 36 12 8 2
D) 68 64 16 12 3 80 75 15 10 2
E) 105 100 20 15 3 84 80 20 16 4

4. 8 16 80 160 800 500 250 50 25 5

A) 4 4 16 16 64 32 32 8 8 2
B) 2 6 36 108 648 450 150 30 10 3
C) 1 2 12 24 144 2 4 24 48 288
D) 3 6 36 72 432 576 96 48 8 4
E) 2 4 13 34 72 108 36 28 6 3

5. 44 39 37 32 30 46 48 53 55 60

A) 62 55 51 44 40 16 20 27 31 36
B) 23 17 14 9 5 32 38 35 41 38
C) 47 43 42 38 37 69 73 74 78 79
D) 93 85 80 72 67 11 16 24 29 37
E) 59 48 40 29 21 19 30 38 49 57

6. 4 8 24 96 480 240 120 40 10 2

A) 3 9 36 180 1680 720 240 60 12 3
B) 3 9 36 180 1080 600 300 100 25 5
C) 2 14 84 420 1680 360 72 18 6 3
D) 1 4 26 64 256 162 54 28 6 2
E) 2 4 12 48 240 600 300 100 25 5

7. 4 12 6 18 9 9 36 12 48 16

A) 4 20 4 20 4 10 60 12 72 14
B) 27 54 18 36 12 5 15 5 15 5
C) 5 30 4 16 6 4 20 5 25 7
D) 16 80 20 100 25 100 600 120 720 144
E) 6 30 10 50 17 4 12 6 8 9



8. 17 23 32 28 39
26 42 61 47 ?

A) 36 B) 44 C) 67 D) 68 E) 98

9. Farklı sayıyı bulunuz ?
Find the different number ?

25 81 51 64 36

A) 81 B) 51 C) 25 D) 36 E) 64

10. 12 84 72 35 48

A) 12 B) 84 C) 72 D) 35 E) 48

11. I. 9 3 27
II. 4 2 8
III. ? ? ?

A) 16 – 5 – 80 B) 25 – 5 – 64
C) 27 – 9 – 243 D) 5 – 125 – 25
E) 16 – 4 – 64

12. I. 3 6 18 72
II. 5 15 60 300
III. 2 2 4 12
IV. 4 8 ? ?

A) 16 – 24 B) 24 – 96 C) 24 – 48
D) 24 – 72 E) 32 – 96

13. I. 5 10 50 500
II. 3 6 18 108
III. 4 8 32 256
IV. 1 ? ? ?

A) 2, 6, 18 B) 2, 2, 4 C) 2, 4, 8
D) 2, 4, 16 E) 2, 3, 6

14. 2 3 6 7 10 ? ? ?

A) 11 14 17 B) 11 14 15 C) 9 8 7
D) 12 15 19 E) 13 14 17

15. I. 7 21 16 48 43
II. ?

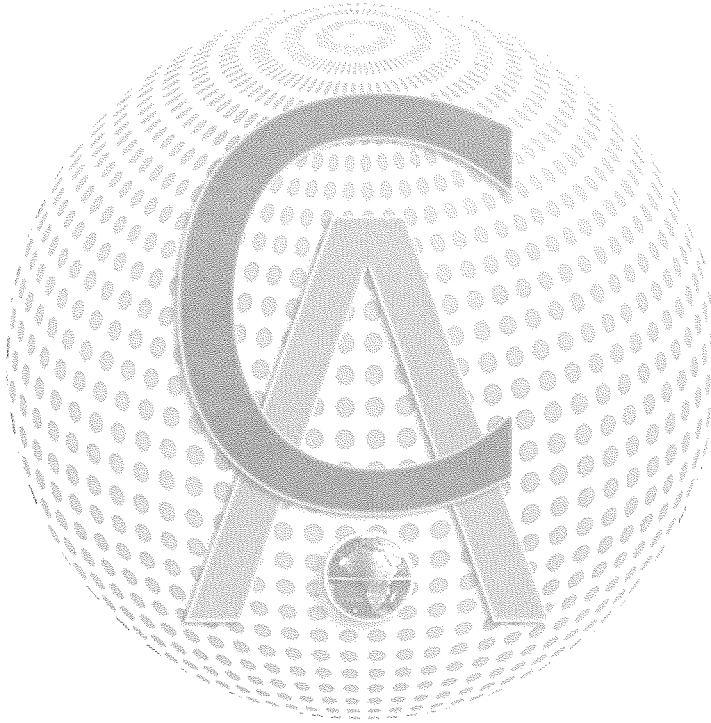
A) 6 24 21 84 81
B) 5 15 10 30 25
C) 8 13 11 16 14
D) 26 21 84 79 395
E) 9 36 32 128 124

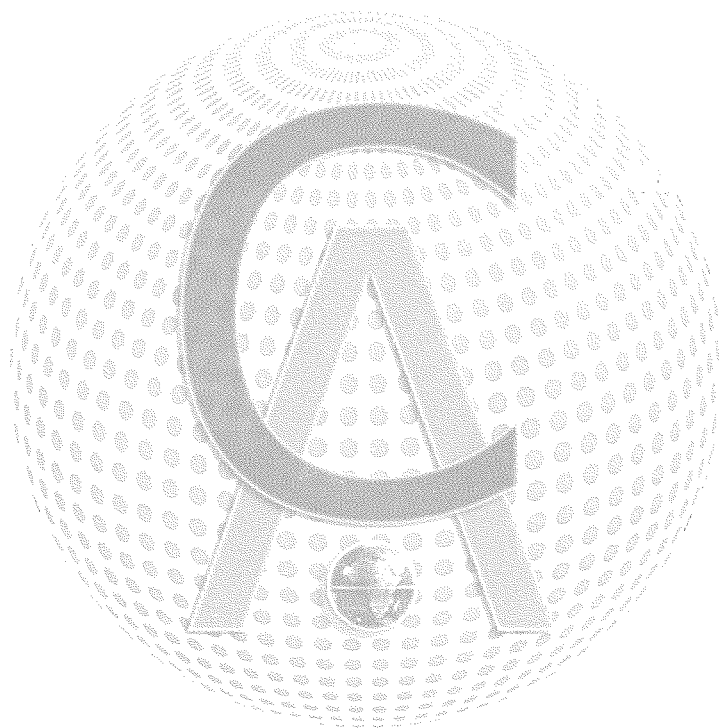
Cevap Anahtarı – Answer Sheet

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

3. BÖLÜM

İŞLEM YETENEĞİ







1. I. $\blacktriangle 6 \rightarrow 36 + 3 = 39$

II. $\blacktriangle 4 \rightarrow 16 + 2 = 18$

III. $\blacksquare 28 \rightarrow 4 + 4 = 8$

IV. $\blacksquare 42 \rightarrow 8 + 1 = 9$

V. $(\blacktriangle 8) \blacksquare \rightarrow ?$

A) 14 B) 16 C) 20 D) 24 E) 48

2. I. $2 \Delta (3 \square 2) \rightarrow 8$

II. $1 \square (4 \Delta 1) \rightarrow 5$

III. $(4 \Delta 2) \square (3 \square 1) \rightarrow 18$

IV. $(2 \square 1) \Delta (4 \Delta 2) \rightarrow ?$

A) 12 B) 9 C) 8 D) 7 E) 6

3. I. $\square 631 \rightarrow 64$

II. $283 \Delta \rightarrow 13$

III. $\square 835 \Delta \rightarrow 88 \Delta \rightarrow 16$

IV. $\square 643 \Delta \rightarrow ?$

A) 11 B) 12 C) 13 D) 14 E) 16

4. I. $(7 \Delta 2) \square 3 = 8$

II. $(6 \Delta 3) \square 2 = 5$

III. $(10 \Delta 5) \square 1 = ?$

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

5. I. $\Delta + \bigcirc = 17$

II. $\bigcirc + \square = 12$

III. $\Delta - \square = ?$

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

6. I. $\Delta - 2 = 3$

II. $11 - \Delta = \square$

III. $\bigcirc + \Delta = \square$

IV. $\Delta + \bigcirc + \square = ?$

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

7. I. $\Delta + \Delta = \square$

II. $\square - \Delta = 5$

III. $\square = ?$

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

8. I. $\oplus 534 \rightarrow 4$ $\ominus 235 \rightarrow 6$

II. $\oplus 362 \rightarrow 7$ $\ominus 493 \rightarrow 8$

III. $(\oplus 792) - (\ominus 355) = ?$

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



9. I. $\square + \Delta = 12$
II. $\Delta + O = 9$
III. $\square - O = ?$

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

10. I. $\square : O = O$
II. $\Delta = \frac{\square}{4}$
III. $\Delta \in Z = ?$

A) 6 B) 12 C) 18 D) 24 E) 36

11. I. $\frac{\Delta}{O} = \square$
II. $\square \cdot O = 48$
III. $\frac{O}{3} = \square$
IV. $O = ?$

A) 2 B) 4 C) 6 D) 8 E) 12

12. I. $2 \Delta 5 \rightarrow 3 - 7$
II. $4 \Delta 6 \rightarrow 2 - 10$
III. $5 \Delta 12 \rightarrow ?$

A) 17 - 7 B) 8 - 5 C) 7 - 20
D) 7 - 17 E) 17 - 3

13. I. $3 \square 5 \rightarrow 9, 15, 25$
II. $4 \square 2 \rightarrow 16, 8, 4$
III. $5 \square 6 \rightarrow ?$

A) 36, 25, 30 B) 25, 30, 30
C) 25, 30, 36 D) 10, 30, 36
E) 22, 35, 36

14. I. $3 \Delta 7 \rightarrow 4 - 21$
II. $5 \Delta 4 \rightarrow 1 - 20$
III. $3 \Delta 8 \rightarrow 5 - 24$
IV. $2 \Delta 9 \rightarrow ?$

A) 11-18 B) 7-18 C) 18-7
D) 11-7 E) 6-18

15. I. $4 \square 6 \rightarrow 4$
II. $6 \square 12 \rightarrow 36$
III. $7 \square 10 \rightarrow 9$
IV. $3 \square 8 \rightarrow ?$

A) 4 B) 16 C) 25 D) 36 E) 49

16. I. $4 \Delta (5 \Delta 2) = 1$
II. $7 \Delta (6 \Delta 1) = 2$
III. $3 \Delta (3 \Delta 5) = 5$
IV. $3 \Delta (2 \Delta 3) = ?$

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

Cevap Anahtarı – Answer Sheet

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



1. I. $(7 \Delta 2) \square 3 = 8$

II. $(6 \Delta 3) \square 2 = 5$

III. $(10 \Delta 5) \square 1 = ?$

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

2. I. $4 \Delta 2 \rightarrow 2,2$

II. $12 \Delta 3 \rightarrow 4,9$

III. $8 \Delta 2 \rightarrow 4,6$

IV. $6 \Delta 1 \rightarrow ?$

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

3. I. $(5 \square 2) \square 1 = 2$

II. $4 \square (6 \square 3) = 1$

III. $(7 \square 6) \square (3 \square 2) = ?$

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

4. I. $2 \Delta 1 \rightarrow 9$

II. $3 \Delta 2 \rightarrow 25$

III. $6 \Delta 2 \rightarrow 64$

IV. $1 \Delta 0 \rightarrow ?$

A) 1 B) 2 C) 4 D) 9 E) 16

5. I. $4 \Delta (8 \Delta 2) = 1$

II. $12 \Delta (6 \Delta 1) = 2$

III. $6 \Delta (2 \Delta 2) = 6$

IV. $3 \Delta (2 \Delta 2) = ?$

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

6. I. $\Delta 214 \rightarrow 34$

II. $\Delta 346 \rightarrow 76$

III. $\Delta 302 \rightarrow ?$

A) 2 B) 6 C) 30 D) 32 E) 36

7. I. $3 \Delta 7 \rightarrow 2,8$

II. $2 \Delta 4 \rightarrow 0,4$

III. $3 \Delta 8 \rightarrow 1,10$

IV. $4 \Delta 9 \rightarrow ?$

A) 16 – 8 B) 7 – 9 C) 5 – 10

D) 14 – 9 E) 7 – 10

8. I. $4 \square 6 \rightarrow 8$

II. $8 \square 12 \rightarrow 64$

III. $7 \square 10 \rightarrow 27$

IV. $7 \square 8 \rightarrow ?$

A) 1 B) 2 C) 8 D) 49 E) 125



9. I. $\Delta + \square = 15$

II. $\square - 2 = 4$

III. $\bigcirc - \Delta = 3$

IV. $\bigcirc - \square = ?$

A) 2 B) 3 C) 5 D) 6 E) 12

10. I. $5 \Delta 4 \Rightarrow 1:9$

II. $7 \Delta 5 \Rightarrow 8:24$

III. $4 \Delta 3 \Rightarrow 1:7$

IV. $6 \Delta 6 \Rightarrow ? : ?$

A) 0, 12

B) 0, 36

C) 0, 0

D) 1, 36

E) 12, 36

11. I. $2 \bigcirc 3 \Rightarrow 4:6:9$

II. $2 \bigcirc 1 \Rightarrow 4:2:1$

III. $1 \bigcirc 3 \Rightarrow 1:3:9$

IV. $1 \bigcirc 5 \Rightarrow ? : ? : ?$

A) 1, 2, 5

B) 2, 5, 5

C) 1, 5, 25

D) 2, 1, 25

E) 2, 5, 25

12. I. $8 \Delta 7 \rightarrow 1$

II. $7 \Delta 4 \rightarrow 9$

III. $10 \Delta 5 \rightarrow 25$

IV. $9 \Delta 3 \rightarrow ?$

A) 12 B) 22 C) 27 D) 36 E) 42

13. I. $3 \bigcirc (6 \bigcirc 3) = 0$

II. $6 \bigcirc (4 \bigcirc 4) = 6$

III. $4 \bigcirc (4 \bigcirc 3) = 3$

IV. $4 \bigcirc (5 \bigcirc 3) = ?$

A) 1

B) 2

C) 4

D) 5

E) 7

14. I. $4 \square 2 \rightarrow 64, 2, 4$

II. $5 \square 2 \rightarrow 125, 3, 4$

III. $3 \square 1 \rightarrow ?$

A) 27, 2, 1

B) 9, 2, 1

C) 27, 4, 1

D) 27, 2, 8

E) 64, 2, 1

15. I. $4 \Delta 6 \rightarrow 14$

II. $3 \Delta 4 \rightarrow 5$

III. $6 \Delta 2 \rightarrow ?$

A) 4

B) 3

C) 2

D) 1

E) 0

16. I. $4 - \bullet = 3$

II. $\blacksquare - \bullet = 3$

III. $\blacktriangle - 3 = \blacksquare$

IV. $\blacksquare + \blacktriangle + \bullet = ?$

A) 10

B) 12

C) 14

D) 16

E) 18

Cevap Anahtarı – Answer Sheet

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



1. I. ● : □ = 2
II. ● + □ = 12
III. ● x □ = ?

A) 24 B) 32 C) 36 D) 48 E) 128

2. I. 631 → 325
II. 946 → 523
III. 842 → 426
IV. ? → 347

A) 748 B) 632 C) 524
D) 851 E) 417

3. I. 4232 → 2
II. 7344 → 5
III. 6428 → 8
IV. 7645 → ?

A) 9 B) 10 C) 12
D) 18 E) 22

4. I. 496 → 6
II. 832 → 12
III. 521 → 10
IV. 744 → ?

A) 3 B) 4 C) 6 D) 7 E) 8

5. I. 84 → 20
II. 75 → 23
III. 47 → 17

IV. 42 → ?

A) 0 B) 2 C) 14 D) 23 E) 36

6.

	15	20	50	19
2	△	□	□	△
3	□	△	△	△
10	△	□	□	△
5	□	I	II	III

I, II, III = ?

A) △ △ □

B) □ △ △

C) □ □ △

D) △ □ △

E) △ △ □

7.

	●	□	■
●	4	?	10
○	6	12	15
□	8	?	20

A) 9 ; 18

B) 5;12

C) 6;14

D) 7;15

E) 8;16

8. I. 6 □ 4 ; → 20
II. 4 □ 3 ; → 7
III. 4 □ 2 ; → 12
IV. 3 □ 1 ; → ?

A) 6 B) 8 C) 9 D) 18 E) 21



9. I. $4 \bullet (4 \bullet 2) = 2$

II. $10 \bullet (15 \bullet 3) = 2$

III. $8 \bullet (12 \bullet 3) = 2$

IV. $9 \bullet (6 \bullet 2) = ?$

A) 2 B) 3 C) 6 D) 9 E) 18

10. I. $3 = \square \cdot \bigcirc$

II. $\Delta \cdot \square = 6$

III. $\Delta - \bigcirc = \bigcirc$

IV. $\bigcirc > \square$

V. $\square + \Delta + \bigcirc \rightarrow ?$

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

11. I. $\square - \Delta = 2$

II. $\square \cdot \square = \blacksquare$

III. $\blacksquare - \square = \square + \square$

IV. $\frac{(\Delta + \blacksquare + \square) - 7}{3} = ?$

A) 1 B) 2 C) 3 D) 5 E) 6

12. I. $2a^3 \blacksquare b^2 = \frac{a}{2} + \frac{3b}{2}$

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

III. $(18 \blacktriangle 18) - (128 \blacksquare 64) = ?$

A) 12 B) 15 C) 18 D) 25 E) 27

13. I. $6 \blacktriangle 7 \rightarrow 4$
II. $7 \blacktriangle 4 \rightarrow 13$
III. $10 \blacktriangle 5 \rightarrow 20$
IV. $9 \blacktriangle 3 \rightarrow ?$

A) 12 B) 14 C) 18 D) 21 E) 27

14. I. $\blacktriangle 324 \rightarrow 432$
II. $145 \square \rightarrow 55$
III. $\blacktriangle 821 \square \rightarrow 92$
IV. $\blacktriangle 572 \square \rightarrow 77$
V. $\blacktriangle 213 \square \rightarrow ?$

A) 53 B) 51 C) 43 D) 42 E) 33

15. I. $\bullet 432 \rightarrow 7,5$
II. $\bullet 511 \rightarrow 6,2$
III. $\bullet 705 \rightarrow 7,5$
IV. $\bullet 100 \rightarrow ?$

A) 10,1 B) 10,0 C) 1,1 D) 1,0 E) 1,01

16. I. $5 \blacktriangle 4 \rightarrow 1:20$
II. $7 \blacktriangle 3 \rightarrow 4:21$
III. $4 \blacktriangle 3 \rightarrow 1:12$
IV. $6 \blacktriangle 6 \rightarrow ? : ?$

A) 0,12 B) 0,36 C) 1,12 D) 1,36 E) 12,36

Cevap Anahtarı – Answer Sheet

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



1. I. $M + N = 4$
II. $4 + Z = 6$
III. $Z - M = 2$
IV. $N = ?$

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

2. I. $\square 55 \rightarrow 10, 25, 0$
II. $\square 18 \rightarrow ?$

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

3. I. $\Delta 422 \rightarrow 2, 0$
II. $\Delta 646 \rightarrow 2, 2$
III. $\Delta 817 \rightarrow ?$

A) 7, 1 B) 1, 7 C) 6, 7 D) 7, 6 E) 6, 6

4. I. $\Delta 517 \rightarrow 67$
II. $\square 438 \rightarrow 843$
III. $\Delta 465 \square \rightarrow 510$
IV. $\Delta 736 \square \rightarrow ?$

A) 510 B) 610 C) 160 D) 105 E) 106

5. I. $5 \bullet 4 \rightarrow 10, 9, 8$
II. $3 \bullet 6 \rightarrow 6, 9, 12$
III. $7 \bullet 1 \rightarrow 14, 8, 2$
IV. $8 \bullet 3 \rightarrow ?, ?, ?$

A) 16, 8, 6 B) 18, 11, 6 C) 16, 8, 3
D) 15, 10, 3 E) 16, 11, 6

6. I. $13 \bullet 7 \rightarrow 36$
II. $21 \bullet 10 \rightarrow 121$
III. $13 \bullet 5 \rightarrow 64$
IV. $95 \bullet 100 \rightarrow ?$

A) 72 B) 42 C) 36 D) 25 E) 18

7. I. $6 \Delta 3 \rightarrow 3; 18$
II. $9 \Delta 5 \rightarrow 4; 45$
III. $7 \Delta 3 \rightarrow 4; 21$
IV. $8 \Delta 8 \rightarrow ?; ?$

A) 0; 16 B) 0; 64 C) 2; 72
D) 16; 64 E) 3; 16

8. I. $5 \blacktriangle 4 \rightarrow 20; 41$
II. $7 \blacktriangle 8 \rightarrow 56; 113$
III. $6 \blacktriangle 9 \rightarrow 54; 117$
IV. $7 \blacktriangle 9 \rightarrow ?; ?$

A) 63; 130 B) 64; 170 C) 63; 150
D) 63; 140 E) 53; 130



9. I. $5 \blacktriangle 2 \rightarrow 3, 7, 10$
II. $4 \blacktriangle 3 \rightarrow 1, 7, 8$
III. $2 \blacktriangle 1 \rightarrow 1, 3, 4$
IV. $3 \blacktriangle 1 \rightarrow ?; ?; ?$

A) 2, 4, 6 B) 2, 4, 3 C) 1, 2, 3
D) 3, 2, 6 E) 2, 3, 6

10. I. $\blacktriangle A = a$
II. $\blacksquare b = B$
III. $E d A = ?$

A) $\blacktriangle E \blacksquare d \blacksquare a$ B) $\blacksquare e \blacktriangle D \blacktriangle A$
C) $\blacktriangle e \blacktriangle D \blacksquare a$ D) $\blacksquare e \blacktriangle D \blacksquare a$
E) $\blacksquare e \blacksquare d \blacktriangle A$

11. I. $931 \blacksquare = 67 \blacksquare$
II. $28 \blacksquare = 181 \blacksquare$
III. $151 \blacksquare = 25 \blacksquare$

Yukarıdaki eşitliklere göre hangisi doğru **değildir**?

A) $86 \blacksquare = 77 \blacksquare$ B) $384 \blacksquare = 248 \blacksquare$
C) $21 \blacksquare = 102 \blacksquare$ D) $101 \blacksquare = 200 \blacksquare$
E) $214 \blacksquare = 34 \blacksquare$

12. I. $\blacktriangle 712 \rightarrow 73$
II. $\blacktriangle 821 \rightarrow 83$
III. $\blacktriangle 314 \rightarrow ?$

A) 31 B) 33 C) 35 D) 34 E) 41

13. I. $\bullet 514 \rightarrow 59$
II. $\bullet 312 \rightarrow 35$
III. $\bullet 612 \rightarrow ?$

A) 45 B) 68 C) 74 D) 75 E) 85

14. I. $\blacksquare 814 \rightarrow 148$
II. $245 \blacktriangle \rightarrow 265$
III. $\blacksquare 415 \blacktriangle \rightarrow 154 \blacktriangle \rightarrow 164$
IV. $\blacksquare 523 \blacktriangle \rightarrow ?$

A) 235 B) 255 C) 325 D) 352 E) 523

15. I. $\blacktriangle 253 \rightarrow 325$
II. $124 \bullet \rightarrow 34$
III. $\blacktriangle 432 \rightarrow 243 \bullet \rightarrow 63$
IV. $\blacktriangle 167 \bullet \rightarrow 86$
V. $\blacktriangle 236 \bullet \rightarrow ?$

A) 29 B) 46 C) 81 D) 83 E) 92

16. I. $\bullet 452 \rightarrow 245$ $165 \blacksquare \rightarrow 75$
II. $\bullet 163 \rightarrow 316 \blacksquare \rightarrow 46$
III. $(\bullet 294) \blacksquare = ?$

A) 59 B) 69 C) 96 D) 49 E) 94

Cevap Anahtarı – Answer Sheet

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



1. I. ● 841 → 9,5
II. ● 743 → ?
A) 9,7 B) 11,7 C) 10,7 D) 11,3 E) 10,1

2. I. ▲ 621 → 8,3
II. ▲ 832 → ?
A) 10,1 B) 11,1 C) 11,5 D) 10,5 E) 10,3

3. I. ● 631 → 10
II. ● 821 → 11
III. 814 ■ → 3
IV. 943 ■ → 2
V. (● 721) – (823 ■) = ?
A) 4 B) 5 C) 6 D) 7 E) 8

4. I. Δ 821 → 4,2
II. Δ 621 → ?
A) 4,1 B) 3,2 C) 4,2 D) 1,4 E) 3,1

5. I. Δ 328 → 832
II. 426 □ → 66
III. Δ 216 □ → 81
IV. Δ 325 □ → ?
A) 28 B) 72 C) 82 D) 84 E) 55

6. I. ★ 684 → 468 265 ▲ → 85
II. ★ 462 ▲ → 66 ★ 362 ▲ → 56
III. ★ 415 ▲ → ?
A) 96 B) 95 C) 91 D) 85 E) 81

7. I. (3, 5) ★ (7, 8) → (10, 40)
II. (2, 6) ★ (4, 5) → (6, 30)
III. (5, 4) ★ (2, 3) → ?
A) (7, 7) B) (7, 43) C) (10, 12)
D) (10, 7) E) (7, 12)

8. I. 1 ▲ 2 → 1, 4, 4
II. 2 ▲ 3 → 4, 12, 9
III. 1 ▲ 5 → 1, 10, 25
IV. 3 ▲ 4 → ? ; ?
A) 4, 6, 16 B) 9, 25, 16 C) 9, 24, 16
D) 9, 16, 16 E) 6, 12, 16



9. I. $19 \ominus (5 \ominus 3) \ominus 2 = 15$
II. $21 \ominus (7 \ominus 5) \ominus 11 = 8$
III. $7 \ominus (3 \ominus 2) \ominus 5 = 1$
IV. $18 \ominus (9 \ominus 2) \ominus 1 = ?$
- A) 7 B) 9 C) 10 D) 14 E) 17

10. I. $\blacklozenge - \square = 8$
II. $\square + \blacktriangle = \blacklozenge$
III. $\blacktriangle - \square = 5$
IV. $\blacklozenge + \blacktriangle + \square = ?$
- A) 18 B) 20 C) 22 D) 24 E) 26

11. I. $2 * 1 \blacksquare 3 = 4$
II. $3 * 2 \blacksquare 1 = 2$
III. $4 * 3 \blacksquare 5 = ?$
- A) 1 B) 2 C) 5 D) 6 E) 9

12. I. $7 \blacktriangle (2 \blacksquare 1) = 4$
II. $8 \blacktriangle (5 \blacksquare 2) = 1$
III. $12 \blacktriangle (7 \blacksquare 3) = 2$
IV. $18 \blacktriangle (1 \blacksquare 4) = ?$
- A) 13 B) 14 C) 15 D) 16 E) 17

13. I. $\square - \blacktriangle = 8$
II. $\blacklozenge + \square = 15$
III. $\blacktriangle - \blacklozenge = 1$
IV. $\blacktriangle + \square + \blacklozenge = ?$
- A) 22 B) 20 C) 19 D) 9 E) 6

14. I. $(4 \blacksquare 2) \square 7 = 5$
II. $(2 \square 6) \blacksquare 3 = 7$
III. $(7 \blacksquare 6) \square 9 = 4$
IV. $(3 \blacksquare 4) \square 3 = ?$
- A) -12 B) -10 C) 10 D) 12 E) 14

15. I. $5 \Delta 6 \rightarrow 30$
II. $5 \circ 4 \rightarrow 9$
III. $4 \circ 2 \rightarrow 12$
IV. $(7 \circ 5) \Delta (3 \circ 1) \rightarrow ?$
- A) 24 B) 148 C) 192 D) 264 E) 281

16. I. $\blacksquare - \square = 4$
II. $\Delta + \square = 20$
III. $\square + \blacksquare = 12$
IV. $\square + \circ = \Delta$
V. $\square + \Delta + \circ + \blacksquare = ?$
- A) 42 B) 40 C) 36 D) 24 E) 18

Cevap Anahtarı – Answer Sheet

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



1. I. $x \bullet y = \frac{x+y}{2}$

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

III. $(6 \bullet 4) \blacksquare (3 \blacksquare 2) = ?$

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

2. I. $b \blacksquare 4 \rightarrow 4b^2 - 16$

II. $6 \blacksquare 2 \rightarrow 140$

III. $4 \blacksquare 2 \rightarrow ?$

- A) 48 B) 56 C) 60 D) 72 E) 80

3. I. $3 \blacktriangle 4 \rightarrow 3^2 + (3 \cdot 4) - 4^2$

II. $4 \blacktriangle 3 \rightarrow ?$

- A) 12 B) 16 C) 18 D) 19 E) 21

4. I. $4 + \blacktriangle = 6$

II. $\bullet + \blacktriangle = 11$

III. $\diamond + 1 = \bullet$

IV. $\bullet + \diamond + \blacktriangle = ?$

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

5. I. $\blacksquare + 2 \cdot \blacktriangle = 3 \cdot \bullet$

II. $\blacktriangle + \bullet = \blacksquare$

III. $\frac{\blacktriangle}{\bullet} = ?$

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

6. I. $a \bullet b = a + a \cdot b$

II. $a * b = a^b$

III. $(2 * c) \bullet 2 = 24$

IV. $c = ?$

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

7. I. $a^3 \bullet b = a^2 + 2b$

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

III. $(27 \bullet 2) \blacktriangle 4 = ?$

- A) 30 B) 32 C) 38 D) 45 E) 63

8. I. $11 \blacktriangle (2 \bullet 9) = 29$

II. $9 \blacktriangle (6 \bullet 8) = 57$

III. $16 \blacktriangle (9 \bullet 4) = 52$

IV. $5 \blacktriangle (11 \bullet 4) = ?$

- A) 31 B) 38 C) 44 D) 49 E) 51



9. I. $2 \bullet 4 = 24$
 II. $3 \bullet 5 = 40$
 III. $7 \bullet 1 = 8$
 IV. $6 \bullet 8 = ?$

A) 64 B) 78 C) 112 D) 116 E) 124

10.

*	2	4	6
6	▲	●	○
8	□	▲	●
10	△	□	▲

□ = ?

● = ?

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

11.

★	1	3	4	7
2	2	6	0	x
5	5	7	4	3
6	6	y	0	2

(x, y) = ?

A) (2,7) B) (2,6) C) (5,2)
 D) (6,2) E) (7,2)

12. I. $\star \blacksquare \bullet + \in \blacktriangle \cap$
 II. $\blacktriangle \cap \blacksquare + \star \bullet \in$
 III. $\bullet \in \cap + \blacktriangle \blacksquare \star$
 IV. ?

A) $\blacktriangle \in \blacksquare + \bullet \cap \star$
 B) $\blacktriangle \bullet \in + \blacksquare \star \cap$
 C) $\blacksquare \bullet \star + \in \cap \blacktriangle$
 D) $\blacksquare \star \in + \bullet \cap \blacktriangle$
 E) $\blacksquare \star \bullet + \in \cap \blacktriangle$

13.

△	□	★	▼	Ψ	∅
↑	↑	↑	↑	↑	↑
3	7	6	2	1	4

(∅ + △) . ? = (2 . □)

A) □ B) △ C) ★ D) ∩ E) ▼

14.

	a	b	c	d
a	a	b	c	d
b	b	c	d	a
c	c	d	a	b
d	d	a	b	c

b d = a, d c = b

b c = ?

A) a B) b C) d D) c E) bc

15.

(■ . K) + (● . M) + (▲ . L) = ■ + ● + ▲

K ? L ? M ?

A) K > L > M B) L > K > M
 C) M > L > K D) L > M > K
 E) K > M > L

Cevap Anahtarı – Answer Sheet

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



1. I. $\bullet \cdot \blacksquare = 12$
II. $\blacksquare : \blacktriangle = 2$
III. $\blacksquare + \bullet = 7$

Yukarıdaki işlemlere göre hangisi yanlıştır?

Which one is false according to the operations above?

- A) $\blacksquare : 2 \blacktriangle =$
B) $\bullet + \blacktriangle = 5$
C) $\bullet - \blacktriangle = \blacksquare - \bullet$
D) $\bullet + \blacksquare + \blacktriangle = 10$
E) $\bullet \cdot \blacktriangle = \blacksquare + \blacktriangle$

2. $\square + \triangle = 5$
 $\bigcirc - 4 = \triangle$
 $\bigcirc = 1 + \square$

Yukarıdaki işlemlere göre aşağıdakilerden hangisi doğrudur?

Which one is true according to the operations above?

- A) $\square : \triangle = 2$ B) $\bigcirc \times \triangle = \square + \triangle$
C) $\triangle - \square = \bigcirc$ D) $\bigcirc : \square = 2$
E) $\square + \bigcirc + \triangle = 7$

3. $\blacksquare, \blacktriangle, \bullet \in \mathbb{Z}^+$
 $\blacksquare + \bullet = 7$
 $\blacktriangle + \bullet = 3$
 $\max(\blacksquare) = ?$

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

4. I. $\triangle 5 \rightarrow 13$
II. $\triangle 8 \rightarrow 22$
III. $\triangle 9 \rightarrow 25$
IV. $5 \triangle \rightarrow 7$
V. $7 \triangle \rightarrow 11$
VI. $12 \triangle \rightarrow 21$
VII. $(\triangle 6) + (9 \triangle) = ?$

- A) 22 B) 27 C) 31 D) 36 E) 42

5. I. $627 \blacksquare \rightarrow 132$
II. $415 \blacksquare \rightarrow 91$
III. $415 \bullet \rightarrow 201$
IV. $345 \bullet \rightarrow 154$
V. $(624 \bullet) \blacksquare \rightarrow ?$

- A) 64 B) 44 C) 24 D) 20 E) 10

6. I. $\bullet - 5 = \blacktriangle$
II. $\blacksquare + \blacktriangle = 8$
III. $\blacksquare + \bullet = ?$

- A) 16 B) 13 C) 10 D) 7 E) 3

7. I. $a^2 \blacksquare b = a + 2b$
II. $9 \blacksquare 3 = 9$
III. $16 \blacksquare 5 = ?$

- A) 14 B) 16 C) 18 D) 21 E) 29



8. I. $2a \bullet b = a - b$

II. $a \blacktriangle b = a \cdot b$

III. $(16 \bullet 5) \blacktriangle 3 = ?$

- A) 6 B) 9 C) 15 D) 27 E) 33

9. I. $15 - \blacktriangle = \blacksquare$

II. $\blacksquare + \bullet = 14$

III. $\blacksquare - 2 = \blacktriangle + 1$

IV. $\bullet = ?$

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

10. I. $\blacksquare \times 2 = \bullet$

II. $\blacktriangle + \bullet = 14$

III. $\blacksquare + \bullet = 12$

IV. $\blacktriangle + \bullet + \blacksquare = ?$

- A) 14 B) 16 C) 18 D) 19 E) 20

11. I. $\blacksquare : 2 = \bullet$

II. $\blacktriangle - 2 = \bullet$

III. $\blacksquare - \blacktriangle = 7$

IV. $\blacksquare + \bullet + \blacktriangle = ?$

- A) 19 B) 22 C) 33 D) 38 E) 43

12.

$\begin{array}{|c|c|} \hline \triangle & \square \\ \hline * & \triangle \\ \hline \end{array} = 46$

$\begin{array}{|c|c|} \hline * & \triangle \\ \hline * & \square \\ \hline \end{array} = 50$

$\begin{array}{|c|c|} \hline \square & * \\ \hline \triangle & \square \\ \hline \end{array} = 64$

$\begin{array}{|c|c|} \hline \triangle & * \\ \hline & \square \\ \hline \end{array} = ?$

- A) 58 B) 56 C) 42 D) 40 E) 36

13.

I. $a^2 \bullet b = \frac{1}{a} + 2b$

II. $a \blacktriangle b^2 = \frac{a}{b} \cdot \frac{1}{a}$

III. $(9 \bullet 4) \blacktriangle 16 = ?$

- A) 1 B) $\frac{1}{2}$ C) 2 D) 4 E) $\frac{1}{4}$

14.

X	M	N	E
M	M	N	E
N	N	K	L
E	E	L	F

$\left. \begin{array}{l} F - K = 48 \\ E - N = 4 \end{array} \right\} \left(\frac{4 \cdot M + E}{N} \right)^3 = ?$

- A) 8 B) 27 C) 64 D) 125 E) 216

Cevap Anahtarı – Answer Sheet

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



1. I. $3 \star 4 = 13$
II. $(2 \star 4) \cdot 2 = 16$
III. $(3 \star 3) \cdot a = 60$
IV. $a = ?$
A) 3 B) 5 C) 7 D) 9 E) 12

2. I. $4 \square 2 = 6$
II. $3 \triangle 4 = 25$
III. $8 \bullet 5 = 39$
IV. $(2 \triangle 3) \bullet (4 \square 3) = ?$
A) 6 B) 19 C) 91 D) 120 E) 136

3. I. $a \bullet b = a^2 + 2b$
II. $a^3 \triangle b = a - \frac{b}{2}$
III. $(64 \triangle 6) \bullet 2 = ?$
A) 2 B) 3 C) 4 D) 5 E) 9

4. I. $6 \triangle 4 = 34$
II. $8 \triangle 3 = 35$
III. $6 \square 4 = 22$
IV. $8 \square 3 = 19$
IV. $(9 \triangle 5) - (9 \square 5) = ?$
A) 20 B) 19 C) 18 D) 17 E) 16

5. I. $8 \bullet 15 = 34$
II. $8 \bullet 10 = 24$
III. $6 \bullet 8 = 19$
IV. $4 \bullet 3 = ?$
A) 4 B) 5 C) 6 D) 7 E) 8

6. I. $3a + 6b - 5c = -6$
II. $2a + 2b + c = 5$
III. $-4b - 2a + 3c = 3$
IV. $a + b + c = ?$
A) 4 B) 5 C) 6 D) 7 E) 8

7. I. $4 \bullet (4 \blacktriangle 2) = 8$
II. $10 \bullet (15 \blacktriangle 3) = 55$
III. $8 \bullet (12 \blacktriangle 3) = 28$
IV. $9 \bullet (6 \blacktriangle 9) = ?$
A) 13 B) 19 C) 22 D) 27 E) 34

8. I. $\blacktriangle \times \blacktriangle = \bigcirc$
II. $\bigcirc - \blacktriangle = \blacktriangle$
III. $\blacktriangle = ?$
A) 2 B) 3 C) 4 D) 6 E) 8



9. I. $15 \Rightarrow 5 \Rightarrow 8$
II. $27 \Rightarrow 9 \Rightarrow 12$
III. $36 \Rightarrow 12 \Rightarrow 15$
IV. $39 \Rightarrow ? \Rightarrow ?$

A) 13; 16 B) 14; 17 C) 12; 15
D) 16; 19 E) 13; 18

10. I. $4 \Rightarrow 8 \Rightarrow 6$
II. $12 \Rightarrow 72 \Rightarrow 66$
III. $8 \Rightarrow 32 \Rightarrow 28$
IV. $6 \Rightarrow ? \Rightarrow ?$

A) 22; 14 B) 24; 12 C) 10; 15
D) 18; 15 E) 18; 14

11. I. $1 \Rightarrow 0 \Rightarrow -1$
II. $3 \Rightarrow 8 \Rightarrow 15$
III. $4 \Rightarrow 15 \Rightarrow 29$
IV. $5 \Rightarrow ? \Rightarrow ?$

A) 25; 40 B) 24; 47 C) 24; 36
D) 28; 49 E) 25; 49

12. I. $6 \Rightarrow 25 \Rightarrow 130$
II. $4 \Rightarrow 15 \Rightarrow 80$
III. $3 \Rightarrow 10 \Rightarrow 55$
IV. $1 \Rightarrow ? \Rightarrow ?$

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

13. I. $341 \Rightarrow 16$
II. $236 \Rightarrow 22$
III. $121 \Rightarrow 8$
IV. $462 \Rightarrow ?$

A) 10 B) 12 C) 20 D) 22 E) 24

14. I. $57 \Rightarrow 47$
II. $49 \Rightarrow 49$
III. $35 \Rightarrow 23$
IV. $15 \Rightarrow ?$

A) 6 B) 11 C) 21 D) 29 E) 32

15. I. $\begin{array}{ccc} 6 & \rightarrow & 8 \\ \uparrow & & \downarrow \\ 2 & \leftarrow & 4 \end{array}$ II. $\begin{array}{ccc} 9 & \rightarrow & 11 \\ \uparrow & & \downarrow \\ 5 & \leftarrow & 7 \end{array}$ III. $\begin{array}{ccc} 16 & \rightarrow & a \\ \uparrow & & \downarrow \\ b & \leftarrow & 14 \end{array}$
 $a + b = ?$

A) 18 B) 20 C) 22 D) 28 E) 30

16. I. $3 \leftarrow 2 \rightarrow 5$
II. $8 \leftarrow 3 \rightarrow 7$
III. $a \leftarrow 5 \rightarrow b$
IV. $a, b = ?$

A) 24; 11 B) 20; 10 C) 17; 10
D) 15; 12 E) 20; 1

Cevap Anahtarı – Answer Sheet

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



1. I. $432 \Rightarrow 7; 5$
II. $605 \Rightarrow 6; 5$
III. $100 \Rightarrow ?; ?$

A) 10; 1 B) 10; 0 C) 1; 01
D) 1; 0 E) 1; 1

2. I. $2a \bullet 3b = 3a + 2b$
II. $3a \blacktriangle 2b = 4a + 3b$
III. $(4 \bullet 9) \blacktriangle 8 = ?$

A) 24 B) 28 C) 32 D) 38 E) 46

3. I. $3 \bullet 4 \rightarrow 9, 24, 16$
II. $1 \bullet 5 \rightarrow 1, 10, 25$
III. $6 \bullet 2 \rightarrow 36 : 24 : 4$
IV. $2 \bullet 2 \rightarrow ? : ? : ?$

A) 2; 2; 2 B) 2; 4; 2 C) 4; 4; 4
D) 4; 8; 4 E) 4; 16; 4

4. I. $a^2 \square b^3 = a + 2b$
II. $9 \square 8 = 7$
III. $16 \square 1 = ?$

A) 1 B) 2 C) 4 D) 6 E) 8

5. I. $2a \bullet b = a - b$
II. $a \triangle b = a^2 - 3b$
III. $(16 \bullet 5) \triangle 3 = ?$

A) 0 B) 3 C) 6 D) 9 E) 27

6. I. $(7 \bullet 5) = 8$
II. $(5 \blacksquare 2) = 9$
III. $(4 \bullet 1) \blacksquare (7 \blacksquare 2) = 4$
IV. $(7 \bullet 4) \blacksquare (12 \blacksquare 8) = ?$

A) 1 B) 9 C) 36 D) 81 E) 121

7. I. $4 \blacksquare 2 = 8$
II. $5 \blacksquare 2 = 27$
III. $6 \blacktriangle 4 = 4$
IV. $(7 \blacksquare 5) \blacktriangle (6 \blacktriangle 5) = ?$

A) 16 B) 25 C) 27 D) 36 E) 49

8. I. $a \blacktriangle 8 = 3a + 4$
II. $5 \blacktriangle 2 = 16$
III. $2 \blacktriangle 16 = ?$

A) 14 B) 24 C) 28 D) 36 E) 42



9. I. $\triangle 82 = 21$
II. $\triangle 274 = 32$
III. $\triangle 648 = 44$
IV. $\triangle 1252 = ?$

A) 62 B) 55 C) 51 D) 48 E) 44

10. I. $4 \blacktriangle 12 = 24$
II. $6 \blacktriangle 9 = 27$
III. $2 \bullet 3 = 24$
IV. $3 \bullet 1 = 15$
V. $(4 \bullet 3) - (8 \blacktriangle 9) = ?$

A) 12 B) 36 C) 40 D) 44 E) 45

11. I. $8 \square 6 = 28$, $28 \triangle = 280$
II. $7 \square 4 = 33$, $33 \triangle = 198$
III. $9 \square 5 = 56$, $56 \triangle = ?$

A) 58 B) 168 C) 336 D) 616 E) 672

12. I. $408 \Rightarrow 840 \Rightarrow 084$
II. $276 \Rightarrow ? \Rightarrow ?$

A) 672;762 B) 627;762 C) 762;627

D) 627;726 E) 672; 627

13. I. $\square 453 = 345$
II. $\triangle 246 = 642$
III. $\triangle 114 + \square 421 = ?$

A) 112 B) 454 C) 535 D) 546 E) 553

14. I. $x \triangle = 3x + 1$
II. $y \square = y^2 - 4$
III. $(3 \triangle) \square = ?$

A) 13 B) 63 C) 80 D) 92 E) 96

15. I. $12 \square 14 = 8$
II. $26 \blacktriangle 15 = 11$
III. $18 \bullet 2 = 9$
IV. $[(19 \square 11) \blacktriangle (7 \blacktriangle 4)] \bullet 3 = ?$

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

16. I. $2 \triangle 3 \Rightarrow 4; 3; 9$
II. $4 \triangle 3 \Rightarrow 16; 6; 9$
III. $2 \triangle 7 \Rightarrow ?; ?; ?$

A) 4; 5; 9 B) 4; 14; 49 C) 4; 7; 49

D) 4; 7; 81 E) 4; 14; 81

Cevap Anahtarı – Answer Sheet

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



1. I. $5 \square 4 \Rightarrow 6; 5; 9$
II. $6 \square 8 \Rightarrow 7; 9; 14$
III. $4 \square 3 \Rightarrow 5; 4; 7$
IV. $7 \square 3 \Rightarrow ?; ?; ?$
- A) 7; 10; 4 B) 6; 9; 2 C) 8; 10; 4
D) 8; 4; 10 E) 8; 4; 4

2. I. $7 \Delta 2 \Rightarrow 5; 9; 7$
II. $8 \Delta 5 \Rightarrow 3; 13; 20$
III. $4 \Delta 1 \Rightarrow ?; ?; ?$
- A) 3; 5; 2 B) 2; 5; 4 C) 1; 2; 3
D) 3; 4; 2 E) 3; 5; 5

3. I. $4 \square (3 \square 1) = 2$
II. $2 \square (1 \square 4) = 5$
III. $6 \square (3 \square 3) = 6$
IV. $7 \square (2 \square 5) = ?$
- A) 3 B) 4 C) 7 D) 10 E) 21

4. I. $16 \Delta (12 \square 8) = 4$
II. $12 \square (6 \Delta 3) = 10$
III. $35 \Delta (7 \square 2) = 7$
IV. $14 \square (18 \Delta 3) = ?$
- A) 8 B) 9 C) 10 D) 12 E) 16

5. I. $5 \square 3 \Rightarrow 2; 15$
II. $8 \square 2 \Rightarrow 6; 16$
III. $5 \square 4 \Rightarrow 1; 20$
IV. $8 \square 8 \Rightarrow ?; ?$
- A) 0; 16 B) 0; 64 C) 1; 16
D) 1; 64 E) 16; 64

6. I. $3 \Delta 2 \rightarrow 5; 1; 6$
II. $4 \Delta 3 \rightarrow 7; 1; 12$
III. $2 \Delta 1 \rightarrow ?; ?; ?$
- A) 2; 1; 3 B) 1; 3; 2 C) 3; 2; 1
D) 3; 2; 2 E) 3; 1; 2

7. I. $5 \square 6 \rightarrow 11; 11; 61$
II. $3 \square 6 \rightarrow 27; 27; 45$
III. $3 \square 5 \rightarrow 16; 16; 34$
IV. $2 \square 3 \rightarrow ?; ?; ?$
- A) 5; 5; 13 B) 5; 6; 25 C) 0; 1; 13
D) 1; 5; 13 E) 1; 13; 5

8. I. $12 \Delta 14 = 84$
II. $26 \square 48 = 37$
III. $(18 \Delta 2) \square (24 \square 12) = ?$
- A) 18 B) 27 C) 31 D) 36 E) 41



9. I. $5 \square 4 = 20$

II. $5 \triangle 5 = 10$

III. $7 \bullet 3 = 40$

IV. $5 \bullet 2 = 21$

V. $\frac{(9 \triangle 4) \square (6 \triangle 4)}{(6 \bullet 4)} = ?$

A) $\frac{1}{4}$ B) $\frac{5}{2}$ C) $\frac{13}{3}$ D) $\frac{13}{2}$ E) 14

10. I. $3 \square 4 \rightarrow 9; 12; 16$

II. $3 \square 2 \rightarrow 9; 6; 4$

III. $2 \square 4 \rightarrow 4; 8; 16$

IV. $1 \square 7 \rightarrow ?; ?; ?$

A) 4; 2; 7 B) 4; 8; 7 C) 2; 7; 7

D) 2; 1; 49 E) 1; 7; 49

11. I. $\triangle 344 \rightarrow 22$

II. $\triangle 233 \rightarrow 16$

III. $\triangle 423 \rightarrow 18$

IV. $\triangle 472 \rightarrow ?$

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

12. I. $5 \square 7 \rightarrow 35$

II. $13 \square 3 \rightarrow 12$

III. $25 \square 33 \rightarrow 42$

IV. $11 \square 30 \rightarrow ?$

A) 6 B) 14 C) 22 D) 33 E) 60

13. I. $3 \triangle 8 \rightarrow 11$

II. $14 \triangle 19 \rightarrow 11$

III. $89 \triangle 18 \rightarrow 8$

IV. $37 \triangle 56 \rightarrow ?$

A) 5 B) 9 C) 15 D) 19 E) 21

14. I. $23 \blacktriangle 32 \rightarrow 55$

II. $41 \blacktriangle 26 \rightarrow 58$

III. $17 \blacktriangle 53 \rightarrow 88$

IV. $94 \blacktriangle 35 \rightarrow ?$

A) 18 B) 63 C) 108 D) 129 E) 138

15. I. $12 \bullet 8 \rightarrow 6; 4; 4$

II. $18 \bullet 12 \rightarrow 9; 6; 6$

III. $16 \bullet 6 \rightarrow 8; 10; 3$

IV. $12 \bullet 10 \rightarrow ?; ?; ?$

A) 6; 4; 2 B) 6; 2; 4 C) 6; 2; 5

D) 6; 6; 2 E) 6; 5; 2

16. I. $4 \blacktriangle b \rightarrow 2 + 4^b$

II. $6 \blacktriangle 2 \rightarrow 39$

III. $8 \blacktriangle 1 \rightarrow 12$

IV. $2 \blacktriangle 3 \rightarrow ?$

A) 5 B) 7 C) 9 D) 10 E) 17

Cevap Anahtarı – Answer Sheet

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



1. I. $\blacksquare \times \blacktriangle = 24$
II. $\blacktriangle + \bullet = 9$
III. $\blacksquare \times \blacktriangle + \blacksquare \times \bullet = 36$
IV. $\blacktriangle + \blacksquare + \bullet = ?$
A) 9 B) 10 C) 11 D) 12 E) 13

2. I. $8 \star 7 = 2$
II. $9 \star 6 = 18$
III. $12 \star 7 = 50$
IV. $11 \star 3 = ?$
A) 8 B) 16 C) 28 D) 64 E) 128

3. I. $a \bullet b = a + a.b - b^2$
II. $a \star b = a^b - b^a$
III. $(4 \bullet 2) \star 1 = ?$
A) 7 B) 6 C) 5 D) 4 E) 3

4. I. $k \bullet 3 \rightarrow k^3 + 1$
II. $2 \bullet 6 \rightarrow 10$
III. $3 \bullet 3 \rightarrow ?$
A) 24 B) 25 C) 26 D) 27 E) 28

5. I. $3a + 2b + 4c = 20$
II. $3a - b + c = 7$
III. $a + 3b + 6c = 14$
IV. $a - c = ?$
A) -5 B) -3 C) 5 D) 8 E) 13

6. I. $344 \rightarrow 28$
II. $238 \rightarrow 30$
III. $764 \rightarrow 66$
IV. $490 \rightarrow ?$
A) 13 B) 36 C) 45 D) 51 E) 72

7. I. $4 \bullet 2 \Rightarrow 2 ; 12$
II. $5 \bullet 3 \Rightarrow 2 ; 16$
III. $8 \bullet 6 \Rightarrow 2 ; 28$
IV. $7 \bullet 2 \Rightarrow 5 ; ?$
A) 18 B) 20 C) 32 D) 42 E) 49

8. I. $\blacktriangle + \bullet = 5$
II. $\blacksquare + 6 = 16$
III. $\blacktriangle + 6 = \blacksquare$
IV. $\blacksquare - \bullet = ?$
A) 9 B) 10 C) 11 D) 12 E) 13



İŞLEM YETENEĞİ

TEST – 11

9. I. $4 \blacksquare 5 \rightarrow 36; 45$
II. $2 \blacksquare 8 \rightarrow 20; 80$
III. $3 \blacksquare 7 \rightarrow 30; 70$
IV. $3 \blacksquare 6 \rightarrow ?; ?$

A) 24,25 B) 27,54 C) 24,54
D) 27,36 E) 28,38

10. I. $\bullet 10 = 4$
II. $\bullet 12 = 5$
III. $\bullet 18 = 8$
IV. $\bullet 24 = ?$

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

11. I. $4 \star 3 \star 2 = 21$
II. $8 \star 3 \star 3 = 44$
III. $6 \star 2 \star 1 = 11$
IV. $5 \star 4 \star 4 = ?$

A) 13 B) 24 C) 48 D) 62 E) 85

12. I. $4 \blacksquare 5 \blacktriangle 6 = 27$
II. $3 \blacksquare 8 \blacktriangle 7 = 24$
III. $6 \blacksquare 2 \blacktriangle 5 = 43$
IV. $5 \blacksquare 3 \blacktriangle 4 = ?$

A) 18 B) 24 C) 30 D) 32 E) 36

13. I. $3 \bullet 4 \rightarrow 5$
II. $7 \bullet 9 \rightarrow 40$
III. $5 \bullet 20 \rightarrow 5$
IV. $6 \bullet 8 \rightarrow ?$

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

14. I. $a \Delta b = 3a - 2b$
II. $2 \Delta 3 = ?$

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

15. I. $x \star y = 4x - \frac{y}{2} + 1$
II. $2 \star 8 = ?$

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

16. I. $3x \bullet 4y = x^2 + \frac{3y}{5}$

II. $15 \bullet 40 = ?$

A) 35 B) 33 C) 31 D) 29 E) 27

Cevap Anahtarı – Answer Sheet

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



İŞLEM YETENEĞİ

TEST - 12

1. I. $x^2 \square y^3 = 5x - 2y + 3xy$

II. $16 \square 125 = ?$

- A) 70 B) 80 C) 90 D) 100 E) 110

2. I. $\frac{4a}{3} \Delta \frac{2b}{7} = \frac{2a}{5} + \frac{9b}{2}$

II. $20 \Delta 4 = ?$

- A) 60 B) 63 C) 66 D) 69 E) 72

3. I. $2a^2 \bullet 3b^3 = \frac{4a}{5} + 2b$

II. $50 \bullet 24 = ?$

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

4. I. $\frac{5a}{3} \Delta (b + 1) = \frac{2a + 6}{4} - 3b$

II. $5 \Delta 6 = ?$

- A) -15 B) -14 C) -13 D) -12 E) -11

5. I. $\frac{3x + 2}{4} \star (5y - 3) = \frac{x}{2} - y^2$

II. $2 \star 2 = ?$

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

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

II. $17 \square 24 = ?$

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

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

II. $(-1) \Delta 4 = ?$

- A) 8 B) 6 C) 4 D) 2 E) 0

8. I. $a \Delta b = 2a + 4b$

II. $a \square b = 5a - 2b$

III. $(3 \Delta 4) + (2 \Delta 1) - (5 \square 10) = ?$

- A) 10 B) 15 C) 20 D) 25 E) 30



9. I. $x \Delta y = x^2 - 3y$
II. $x \bullet y = 5x - y^3$
III. $(2 \Delta 3) + (2 \bullet 2) = ?$
A) -1 B) -2 C) -3 D) -4 E) -5

10. I. $x^2 \Delta \frac{y}{2} = \frac{x}{2} + 3y$
II. $\frac{x}{3} \star y^3 = 2x - \frac{y}{4}$
III. $(16 \Delta 2) - (1 \star 64) = ?$
A) 12 B) 9 C) 6 D) 3 E) 0

11. I. $\frac{5x}{4} \square 3y = 2x - \frac{y}{2}$
II. $2x \bullet \frac{2y}{5} = \frac{4x}{3} + 3y$
III. $(5 \square 6) + (6 \bullet 4) = ?$
A) 44 B) 43 C) 42 D) 41 E) 40

12. I. $5x \bullet \frac{4y}{3} = 3x + 2y$
II. $\frac{x^2}{2} \Delta y^3 = 2x - 3y$
III. $(15 \bullet 8) - (8 \Delta 27) = ?$
A) 20 B) 21 C) 22 D) 23 E) 24

13. I. $(2x + 1) \square 4y = \frac{x-1}{3} + 2y + 1$
II. $(3x - 2) \Delta (y - 3) = \frac{x}{2} + 4y$
III. $(5 \square 2) - (10 \Delta (-2)) = ?$
A) $-\frac{10}{3}$ B) $-\frac{11}{3}$ C) -4
D) $-\frac{13}{3}$ E) $-\frac{14}{3}$

14. I. $\frac{x}{3} \bullet \left(\frac{4y-2}{5} \right) = \frac{5x}{2} + \frac{3y}{4}$
II. $\frac{2x}{3} \square 3y = \frac{x}{6} + 2y$
III. $(2 \bullet 2) + (8 \square \frac{3}{2}) = ?$
A) $\frac{83}{4}$ B) $\frac{41}{2}$ C) $\frac{81}{4}$ D) 20 E) $\frac{79}{4}$

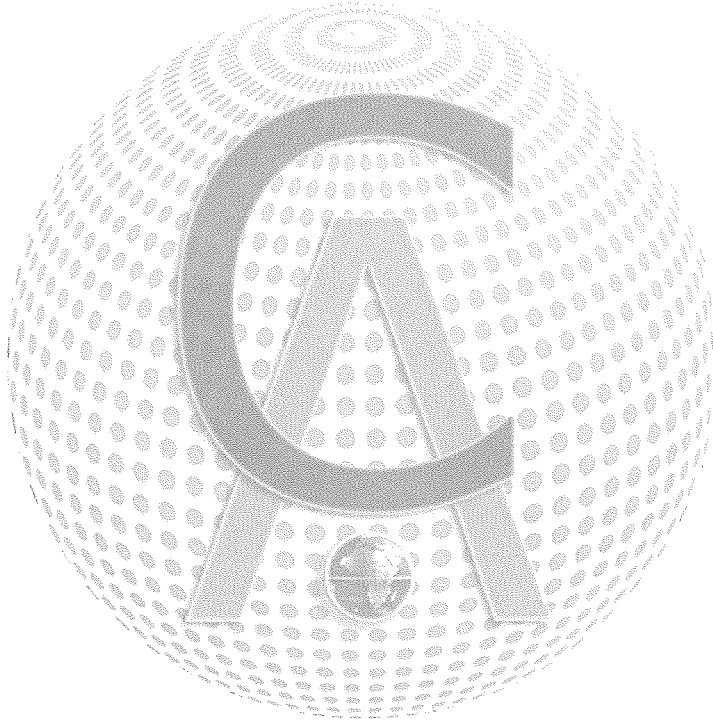
15. I. $(3a - 2) \Delta (2b + 1) = 5a - 4b$
II. $a^2 \square (b + 1) = 2a + \frac{b}{2}$
III. $(7 \Delta 5) - (16 \square 7) = ?$
A) -5 B) -4 C) -3 D) -2 E) -1

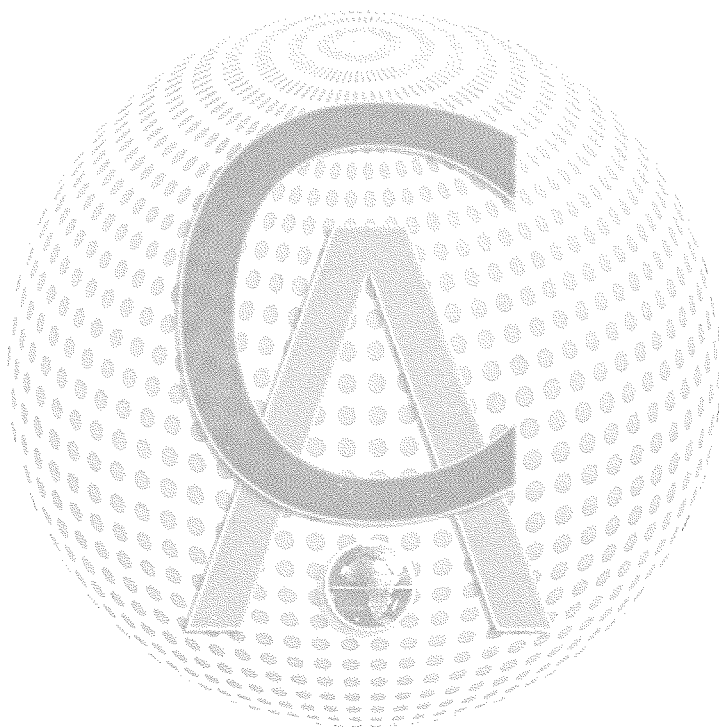
Cevap Anahtarı – Answer Sheet

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

4. BÖLÜM

HARFLİ İFADELER







1.
$$\begin{array}{r} A\ 7\ 2 \\ +\ D\ C\ D \\ \hline L\ C\ 0\ 6 \end{array}$$

A = ?

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

2.
$$\begin{array}{r} T\ C\ 2 \\ +\ T\ 2\ C \\ \hline K\ K\ K\ 0 \end{array}$$

T = ?

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

3.
$$\begin{array}{r} A\ D\ B \\ \times\ 3\ A \\ \hline 7\ 3\ B \\ +\ 7\ 8\ 4\ 0 \\ \hline \end{array}$$

D = ?

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

4.
$$\begin{array}{r} A\ 2\ C \\ -\ D\ 6 \\ \hline 1\ C\ 8 \end{array}$$

D = ?

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

5.
$$\begin{array}{r} C\ 5\ B \\ -\ 3\ 2\ C \\ \hline 5\ 2\ 4 \end{array}$$

B = ?

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

6.
$$\begin{array}{r} C\ A \\ \times\ B\ D \\ \hline 8\ D \\ +\ 6\ 3 \\ \hline 7\ A\ D \end{array}$$

D = ?

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

7.
$$\begin{array}{r} 3\ A\ 2 \\ +\ 2\ 4\ B \\ \hline C\ 0\ 0 \end{array}$$

C = ?

- A) 2 B) 5 C) 6 D) 7 E) 8

8.
$$\begin{array}{r} C\ 4\ C \\ -\ C\ C \\ \hline 0\ C\ C \\ -\ C\ C \\ \hline 0\ 0 \end{array} \quad \begin{array}{r} A\ A \\ C\ C \end{array}$$

A + C = ?

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



HARFLİ İFADELER

TEST – 1

9.

$$\begin{array}{r} A \ 2 \ C \\ - C \ 2 \ A \\ \hline C \ 9 \ 6 \end{array}$$

$A + C = ?$

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

10.

$$\begin{array}{r} A \ B \\ \times B \ A \\ \hline K \ C \\ + 6 \ S \\ \hline 7 \ A \ C \end{array}$$

$C = ?$

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

11.

$$\begin{array}{r} A \ 3 \\ \times 2 \ A \\ \hline A \ 3 \\ + 2 \ 6 \\ \hline B \ P \ T \end{array}$$

$P + T + B = ?$

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

12.

$$\begin{array}{r} 4 \ A \ A \ | \ A \\ - 4 \ A \ | \ 9 \ B \\ \hline 0 \ 0 \ A \\ - \ A \\ \hline 0 \end{array}$$

$A + B = ?$

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

13.

$$\begin{array}{r} A \ 2 \\ \times 2 \ C \\ \hline 4 \ B \\ + 2 \ 4 \\ \hline 2 \ B \ B \end{array}$$

$A + B + C = ?$

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

14.

$$\begin{array}{r} 3 \ A \ B \\ + A \ B \ 2 \\ \hline C \ 0 \ 0 \end{array}$$

$B - (A + C) = ?$

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

15.

$$\begin{array}{r} 1 \ A \ B \\ - C \ 4 \\ \hline C \ 6 \end{array}$$

$A = ?$

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

Cevap Anahtarı – Answer Sheet

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



1.
$$\begin{array}{r} 2 \ A \ B \ C \\ + \ C \ A \ A \ B \\ \hline 8 \ B \ A \ D \end{array} \quad A = ?$$

A) 0 B) 2 C) 4 D) 6 E) 8

2. $B = ?$

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

3. $C = ?$

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

4. $D = ?$

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

5.
$$\begin{array}{r} A \ 9 \ C \ B \\ + \ B \ 8 \ A \\ \hline 2 \ B \ 5 \ C \end{array} \quad A = ?$$

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

6. $B = ?$

A) 0 B) 2 C) 4 D) 6 E) 8

7. $C = ?$

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

8.
$$\begin{array}{r} A \ B \ D \ 7 \\ + \ C \ D \ B \ A \\ \hline A \ 0 \ D \ 3 \ C \end{array} \quad A = ?$$

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

9. $B = ?$

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

10. $C = ?$

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

11. $D = ?$

A) 2 B) 3 C) 4 D) 5 E) 7



HARFLİ İFADELER

TEST – 2

12.
$$\begin{array}{r} \text{A L 4} \\ + \quad \text{A L} \\ \hline \text{G Ü L Ü} \end{array} \quad \text{A} = ?$$

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

13. $\text{L} = ?$

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

14. $\text{G} = ?$

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

15. $\text{Ü} = ?$

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

16.
$$\begin{array}{r} \text{A C C 0 4 D B} \\ + \quad \text{2 D B A 3 C} \\ \hline \text{6 0 B B B A 7} \end{array} \quad \text{A} = ?$$

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

17.
$$\begin{array}{r} \text{C D B A} \\ + \quad \text{A C A A} \\ \hline \text{B C 1 8} \end{array} \quad \text{A} = ?$$

A) 9 B) 6 C) 4 D) 2 E) 0

18. $\text{B} = ?$

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

19. $\text{C} = ?$

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

20. $\text{D} = ?$

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

Cevap Anahtarı – Answer Sheet

1.C	2.E	3.B	4.A	5.A	6.D	7.D
8.A	9.E	10.D	11.C	12.E	13.B	14.B
15.A	16.A	17.C	18.C	19.C	20.A	



HARFLİ İFADELER

TEST – 3

1.
$$\begin{array}{r} 3 \text{ D C A 3 A} \\ + \text{ B 3 B 0 B A} \\ \hline \text{A 0 A A A 0} \end{array}$$
 $A = ?$

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

5.
$$\begin{array}{r} \text{C B A} \\ \text{A B 3} \\ + \text{ B C A} \\ \hline 1 \text{ 6 7 5} \end{array}$$
 $A = ?$

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

2. $B = ?$

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

6. $B = ?$

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

3. $C = ?$

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

7. $C = ?$

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

4. $D = ?$

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

8.
$$\begin{array}{r} 3 \text{ B A} \\ \text{B 3 A} \\ + \text{ B B A} \\ \hline \text{C 2 2 A} \end{array}$$
 $A = ?$

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



9. B = ?

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

10. C = ?

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

11.

$$\begin{array}{r} \text{D D 8 9} \\ - 4 8 \text{C} \\ \hline 0 7 \text{A 9} \\ - 7 \text{A 9} \\ \hline 0 0 0 \end{array} \quad \begin{array}{l} \text{A 4 B} \\ \text{A B} \end{array}$$

A = ?

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

12. B = ?

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

13. C = ?

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

14. D = ?

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

15.

$$\begin{array}{r} \text{A B 5 B} \\ - \text{C A} \\ \hline \text{C C 5} \\ - \text{C 1 B} \\ \hline 0 0 9 \text{B} \\ - 9 \text{B} \\ \hline 0 0 \end{array} \quad \begin{array}{l} \text{C A} \\ 1 9 \text{A} \end{array}$$

A = ?

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

16. B = ?

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

17. C = ?

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

Cevap Anahtarı – Answer Sheet

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



1.
$$\begin{array}{r} \text{E D C 5 4} \\ - \text{A B A B A} \\ \hline 5 \text{ A A 1 1} \end{array} \quad \text{A} = ?$$

- A) 9 B) 7 C) 5 D) 3 E) 0

2. $\text{B} = ?$

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

3. $\text{C} = ?$

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

4. $\text{D} = ?$

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

5. $\text{E} = ?$

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

6.
$$\begin{array}{r} \text{A B C} \\ \times \quad \text{D 7} \\ \hline 2 \text{ B 1 C} \\ + 2 \text{ 0 7 0} \\ \hline 2 \text{ A 1 1 C} \end{array} \quad \text{A} = ?$$

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

7. $\text{B} = ?$

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

8. $\text{C} = ?$

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

9. $\text{D} = ?$

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

10.
$$\begin{array}{r} 4 \text{ A} \\ \times \quad \text{B C} \\ \hline 3 \text{ 4 3} \\ + \quad \text{A 8} \\ \hline 1 \text{ 3 B 3} \end{array} \quad \text{A} = ?$$

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



11. B = ?

- A) 2 B) 4 C) 6 D) 8 E) 9

12. C = ?

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

13.

$$\begin{array}{r} \text{A 4 B} \\ \times \quad \text{A B} \\ \hline 7 \text{ A 9} \\ + 4 \text{ 8 C} \\ \hline \text{D D 8 9} \end{array}$$

A = ?

- A) 2 B) 4 C) 6 D) 8 E) 0

14. B = ?

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

15. C = ?

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

16. D = ?

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

17.

$$\begin{array}{r} \text{C A 2 A} \\ - \text{D C B 6} \\ \hline \text{B B 0 9} \end{array}$$

A = ?

- A) 9 B) 7 C) 6 D) 5 E) 3

18. B = ?

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

19. C = ?

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

20. D = ?

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

Cevap Anahtarı – Answer Sheet

1.D	2.A	3.B	4.C	5.D	6.B	7.D
8.A	9.B	10.A	11.A	12.E	13.A	14.B
15.C	16.C	17.D	18.B	19.A	20.B	



1.
$$\begin{array}{r} 8\ C\ B\ C\ 6\ C \\ -\ B\ A\ B\ A\ A\ B \\ \hline A\ 2\ 0\ 2\ 1\ 4 \end{array}$$
 $A = ?$

- A) 3 B) 5 C) 6 D) 8 E) 9

2. $B = ?$

- A) 1 B) 2 C) 3 D) 7 E) 8

3. $C = ?$

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

4.
$$\begin{array}{r} A\ B\ C \\ +\ 9\ B\ B \\ \hline A\ A\ 5\ 0 \end{array}$$
 $A = ?$

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

5. $B = ?$

- A) 2 B) 3 C) 5 D) 6 E) 7

6. $C = ?$

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

7.
$$\begin{array}{r} A\ B\ 1 \\ +\ B\ A\ A \\ \hline 7\ 7\ B \end{array}$$
 $A = ?$

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

8. $B = ?$

A) 0 B) 2 C) 4 D) 6 E) 8

9.
$$\begin{array}{r} A\ 6\ B\ C\ C \\ -\ A\ A \\ \hline 0\ B\ B \\ -\ B\ B \\ \hline 0\ 0\ C\ C \\ -\ C\ C \\ \hline 0\ 0 \end{array} \begin{array}{l} AA \\ 1A0B \end{array}$$
 $A = ?$

- A) 2 B) 4 C) 6 D) 8 E) 9



10. B = ?

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

11. C = ?

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

12.

$$\begin{array}{r}
 23A \\
 \times 1B2 \\
 \hline
 A68 \\
 11KC \\
 +23A \\
 \hline
 3BB68
 \end{array}$$

B = ?

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

13.

$$\begin{array}{r}
 e \\
 +b \\
 \hline
 a
 \end{array}
 \quad
 \begin{array}{r}
 c \\
 +e \\
 \hline
 d
 \end{array}
 \quad
 \begin{array}{r}
 e \\
 +d \\
 \hline
 b
 \end{array}$$

e = 1

a, b, c, d = ?

- A) 3, 5, 7, 9 B) 5, 4, 6, 8
 C) 8, 7, 5, 6 D) 3, 6, 9, 12
 E) 2, 3, 5, 9

14.

$$\begin{array}{r}
 \odot \\
 + \square \\
 \hline
 14
 \end{array}
 \quad
 \begin{array}{r}
 \star \\
 + \odot \\
 \hline
 11
 \end{array}
 \quad
 \begin{array}{r}
 \square \\
 - \star \\
 \hline
 ?
 \end{array}$$

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

15.

$$\begin{array}{r}
 \triangle \square \otimes \\
 + \triangle \triangle \\
 \hline
 140
 \end{array}$$

 $\triangle \square \otimes = ?$

- A) 128 B) 129 C) 132 D) 143 E) 219

16.

$$\begin{array}{r}
 26 \blacksquare \\
 + 1 \blacksquare \\
 \hline
 2 \bullet \bullet
 \end{array}$$

 $\bullet + \blacksquare = ?$

- A) 11 B) 13 C) 15 D) 17 E) 19

17.

$$\begin{array}{r}
 \triangle \triangle \square \otimes \\
 + \triangle 2 \square \\
 \hline
 \triangle \otimes \otimes \otimes \triangle
 \end{array}$$

 $\otimes \otimes \otimes = ?$

- A) 1000 B) 1212 C) 1222 D) 2000 E) 2111

Cevap Anahtarı – Answer Sheet

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



1.
$$\begin{array}{r} 1111011 \\ - \quad \quad \quad \\ \hline 0 \end{array} \begin{array}{l} 11 \\ B \end{array} \quad B = ?$$

A) 1101 B) 10101 C) 11001
D) 11101 E) 101001

5.
$$\begin{array}{r} 3A6 \\ \times 2A \\ \hline \cdot \cdot \cdot \cdot \\ + XYZ \\ \hline 7728 \end{array} \quad X + Y + Z = ?$$

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

2.
$$\begin{array}{r} K \\ + L \\ \hline 15 \end{array} \quad \begin{array}{r} L \\ + M \\ \hline 35 \end{array} \quad \begin{array}{r} K \\ + M \\ \hline 40 \end{array}$$

$K + L + M = ?$

A) 25 B) 30 C) 40 D) 45 E) 90

6.
$$\begin{array}{r} K L K \\ \times K L \\ \hline K F K L \\ + K L K \\ \hline M N P L \end{array} \quad K + L + F + M + P = ?$$

A) 12 B) 22 C) 32 D) 42 E) 46

3.
$$\begin{array}{r} K L M \\ + A B C \\ \hline 1524 \end{array} \quad \begin{array}{r} K L M \\ - A B C \\ \hline 226 \end{array} \quad K + L + M = ?$$

A) 20 B) 18 C) 16 D) 14 E) 12

7.
$$\begin{array}{r} K L M \\ K L M \\ + K L M \\ \hline 822 \end{array} \quad K . L . M = ?$$

A) 26 B) 36 C) 46 D) 56 E) 58

4.
$$\begin{array}{r} 27K8 \\ 58K \\ + L8 \\ \hline NM52 \end{array} \quad \begin{array}{r} K + L + N \\ M \\ \hline 2 \end{array} = ?$$

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

8.
$$\begin{array}{r} 342 \\ \times AB \\ \hline \cdot \cdot \cdot 4 \\ + 684 \\ \hline \cdot \cdot \cdot \cdot \end{array} \quad A + B = ?$$

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



9.
$$\begin{array}{r} N \\ MN \\ LMN \\ + KLMN \\ \hline 8514 \end{array}$$
 $K + L = ?$

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

10.
$$\begin{array}{r} A \\ \times B \\ \hline 18 \end{array}$$

$$\begin{array}{r} C \\ \times B \\ \hline 6 \end{array}$$
 $(AC) \cdot B = ?$

A) 22 B) 38 C) 72 D) 186 E) 202

11.
$$\begin{array}{r} K \\ + L \\ \hline 3 \end{array}$$

$$\begin{array}{r} N \\ + M \\ \hline 7 \end{array}$$

$$\begin{array}{r} K \\ + L \\ \hline N \end{array}$$

$K < L \Rightarrow K \cdot L + M \cdot N = ?$

A) 18 B) 16 C) 14 D) 10 E) 8

12.
$$\begin{array}{r} KLM \\ \times 43 \\ \hline N758 \\ + RSP \\ \hline 2KN98 \end{array}$$

$K + L + M + N + P + S + R = ?$

A) 31 B) 29 C) 23 D) 21 E) 19

13.
$$\begin{array}{r} KL \\ \times L \\ \hline ML \end{array}$$

$$\begin{array}{r} KN \\ \times N \\ \hline PN \end{array}$$
 $P + M = ?$

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

14.
$$\begin{array}{r} KLM \\ KLM \\ + KLM \\ \hline ABCD \end{array}$$

$$\begin{array}{r} ABCD \\ - \quad \quad \quad 4 \\ \hline 384 \end{array}$$

$K + L + M = ?$

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

15.
$$\begin{array}{r} ABA \\ \times BA \\ \hline CAC \\ + ABA \\ \hline FED9 \end{array}$$

$F + E + D = ?$

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

16.
$$\begin{array}{r} BAC \\ ABC \\ ACB \\ BCA \\ CAB \\ + CBA \\ \hline 1554 \end{array}$$

$A + B + C = ?$

A) 4 B) 7 C) 8 D) 10 E) 11

Cevap Anahtarı – Answer Sheet

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



HARFLİ İFADELER

TEST - 7

1.
$$\begin{array}{r} A\ 6\ B\ 2 \\ C\ C\ 3 \\ +\ A\ 4\ 4 \\ \hline 2\ 7\ A\ B \end{array}$$
 $A + B + C = ?$

A) 21 B) 20 C) 19 D) 18 E) 17

2.
$$\begin{array}{r} \triangle \triangle \\ \times \blacksquare \blacksquare \\ \hline 1\ \blacksquare\ 2 \\ +\ 1\ \blacksquare\ 2 \\ \hline 1\ \triangle\ 5\ 2 \end{array}$$
 $\triangle + \blacksquare = ?$

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

3.
$$\begin{array}{r} \triangle \bullet \\ +\ \blacksquare \blacklozenge \\ \hline 4\ 3 \end{array}$$

$$\begin{array}{r} \blacksquare \blacklozenge \\ +\ \square \triangle \\ \hline 6\ 9 \end{array}$$

$$\begin{array}{r} \square \triangle \\ -\ \triangle \bullet \\ \hline ? \end{array}$$

A) 17 B) 21 C) 23 D) 26 E) 36

4.
$$\begin{array}{r} K\ L\ M \\ L\ M\ K \\ +\ M\ K\ L \\ \hline 1\ 8\ 8\ 7 \end{array}$$
 En küçük (min) $KLM = ?$

A) 296 B) 269 C) 197
D) 188 E) 179

5.
$$\begin{array}{r} KKOL \\ -\quad\quad\quad \\ \hline y \end{array}$$

$$\begin{array}{r} KO \\ \times \\ \hline x \end{array}$$
 $x - y = ?$

A) 111 - L B) 110 - L C) 101 - L
D) 100 - L E) 101

6.
$$\begin{array}{r} K \\ -\ L \\ \hline 3 \end{array}$$

$$\begin{array}{r} L \\ -\ M \\ \hline 4 \end{array}$$
 $\min (K + L + M) = ?$

A) 9 B) 10 C) 12 D) 14 E) 16

7. $MNPR - PRMN = 2277$
 $MN - PR = ?$

A) 22 B) 23 C) 25 D) 27 E) 29

8.
$$\begin{array}{r} K1K \\ -\quad\quad\quad \\ \hline L4 \end{array}$$

$$\begin{array}{r} 36 \\ \times \\ \hline 17 \end{array}$$
 $K - L = ?$

A) 0 B) 1 C) 3 D) 4 E) 6



9.
$$\begin{array}{r} K \\ - \\ 3 \end{array} \bigg| \begin{array}{r} M \\ N \end{array}$$

$$\begin{array}{r} P \\ - \\ 7 \end{array} \bigg| \begin{array}{r} N \\ M \end{array}$$
- $M, N, K, P \in \mathbb{Z}^+$
- $\min (K + P) = ?$
- A) 74 B) 63 C) 52 D) 39 E) 35

10.
$$\begin{array}{r} KL \\ - \\ 5 \end{array} \bigg| 13$$

$$\begin{array}{r} PR \\ - \\ 7 \end{array} \bigg| 13$$

$$\begin{array}{r} KLPR \\ - \\ x \end{array} \bigg| 13$$
- $x = ?$
- A) 0 B) 3 C) 5 D) 7 E) 8

11.
$$\begin{array}{r} K \\ - \\ 4 \end{array} \bigg| \begin{array}{r} 5 \\ L \end{array}$$

$$\begin{array}{r} L \\ - \\ 3 \end{array} \bigg| \begin{array}{r} 4 \\ M \end{array}$$
- K sayısının birler basamağındaki sayı kaçtır?
- A) 3 B) 5 C) 6 D) 8 E) 9

12.
$$\begin{array}{r} AB4 \\ - B5C \\ \hline 132 \end{array}$$
 $A + B + C = ?$
- A) 19 B) 18 C) 17 D) 15 E) 13

13.
$$\begin{array}{r} 83 \\ \times AB \\ \hline \dots \\ + \dots \\ \hline CB31 \end{array}$$
 $A + B + C = ?$
- A) 12 B) 13 C) 14 D) 15 E) 16

14.
$$\begin{array}{r} X \\ - \\ N \end{array} \bigg| \begin{array}{r} Y \\ N \end{array}$$

$$\begin{array}{r} X+N \\ - \\ N \end{array} \bigg| \begin{array}{r} Z \\ N \end{array}$$
- $Z = ?$
- A) $X - N$ B) $X + 2$ C) $Y + 1$
- D) $Y + N$ E) $X + Y + 1$

15.
$$\begin{array}{r} A \\ - \\ 0 \end{array} \bigg| \begin{array}{r} B+1 \\ C \end{array}$$

$$\begin{array}{r} A \\ - \\ 2C \end{array} \bigg| \begin{array}{r} C+4 \\ 4 \end{array}$$
- $\max (B) = ?$
- A) 2 B) 4 C) 6 D) 8 E) 9

16.
$$\begin{array}{r} 4AB \\ - \\ 13 \end{array} \bigg| \begin{array}{r} AB \\ 10 \end{array}$$
 $A + B = ?$
- A) 15 B) 13 C) 10 D) 7 E) 6

Cevap Anahtarı – Answer Sheet

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



HARFLİ İFADELER

TEST – 8

1.
$$\begin{array}{r} \text{A B} \\ \times \text{C 3} \\ \hline + 1 \dots \\ \hline 12 \dots 7 \end{array}$$

$2A + B + C = ?$

- A) 20 B) 19 C) 18 D) 17 E) 16

5.
$$\begin{array}{r} \text{A B} \\ \times \text{C 7} \\ \hline 1 \dots \\ + 9 \text{A} \\ \hline \dots \text{D 1} \end{array}$$

$A + B + C + D = ?$

- A) 12 B) 13 C) 14 D) 15 E) 17

2.
$$\begin{array}{r} \text{X} \\ - 7 \\ \hline \text{Y} \end{array} \quad \begin{array}{r} \text{Y} \\ - 4 \\ \hline \text{Z} \end{array} \quad \begin{array}{r} \text{Z} \\ - 3 \\ \hline \text{V} \end{array}$$

$X - V = ?$

- A) 14 B) 10 C) 8 D) 7 E) 6

6.
$$\begin{array}{r} \text{ABCD} \\ - 140 \\ \hline \dots \\ - 56 \\ \hline 2 \end{array}$$

$ABCD = ?$

- A) 1308 B) 1358 C) 1408
D) 1458 E) 1558

3.
$$\begin{array}{r} 276 \mid \text{AB} \\ \hline 18 \\ \text{C} \end{array}$$

$A + B + C = ?$

- A) 8 B) 10 C) 12 D) 18 E) 20

7.
$$\begin{array}{r} \text{AB5} \mid \text{AB} \\ \hline \text{K} \mid \text{C} \end{array}$$

$K + C = ?$

- A) 5 B) 6 C) 9 D) 12 E) 15

4.
$$\begin{array}{r} \text{A B C} \\ + \text{D B C} \\ \hline \text{C C 0} \end{array}$$

$\max (A + B + C + D) = ?$

- A) 11 B) 12 C) 13 D) 15 E) 16

8.
$$\begin{array}{r} 78 \mid 2A \\ \hline 6 \mid B \end{array}$$

$A + B = ?$

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



HARFLİ İFADELER

TEST – 8

9.
$$\begin{array}{r} A \\ - B \\ \hline 1 \end{array} \quad \begin{array}{r} B \\ - C \\ \hline 1 \end{array} \quad (ABC - CBA) = ?$$

- A) 123 B) 153 C) 198
D) 219 E) 235

10.
$$\begin{array}{r} ABC \\ \times .2. \\ \hline 990 \\ 990 \\ + 990 \\ \hline \end{array}$$

- A) 3 B) 4 C) 5 D) 8 E) 9

11.
$$\begin{array}{r} AB \\ BA \\ AB \\ + BA \\ \hline 154 \end{array}$$

$\max(AB) = ?$

- A) 70 B) 61 C) 52 D) 43 E) 34

12.
$$\frac{(AB) + (BC) + (CA)}{(AA) + (BB) + (CC)} = ?$$

- A) 1 B) 2 C) 11 D) 22 E) 33

13.
$$\begin{array}{r} ABA1 \\ - A1AB \\ \hline 0396 \end{array} \quad B = ?$$

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

14.
$$\begin{array}{r} 7A6BC \\ - 6A7CB \\ \hline 9918 \end{array} \quad B - C = ?$$

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

15.
$$\begin{array}{r} AB \\ AA \\ BA \\ BB \\ + \\ \hline 176 \end{array} \quad \begin{array}{r} AB \\ BA \\ + \\ \hline ? \end{array}$$

- A) 66 B) 72 C) 78 D) 82 E) 88

16.
$$\begin{array}{r|l} 5KL & L5 \\ - & 8 \\ \hline 26 \end{array} \quad K = ?$$

- A) 2 B) 4 C) 5 D) 8 E) 9

Cevap Anahtarı – Answer Sheet

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



HARFLİ İFADELER

TEST – 9

1.
$$\begin{array}{r} AB \\ AA \\ BA \\ + BB \\ \hline 154 \end{array}$$

$$\begin{array}{r} AB \\ - BA \\ \hline 27 \end{array}$$
 $AB = ?$

A) 25 B) 43 C) 36 D) 34 E) 52

2.
$$\begin{array}{r} AB \\ \times BC \\ \hline 7D \\ + 15B \\ \hline 16CD \end{array}$$

A) 11 B) 14 C) 16 D) 17 E) 19

3.
$$\begin{array}{r} CA A | 3A \\ - 7C | B3 \\ \hline 11A \\ - 117 \\ \hline B \end{array}$$

A) 5 B) 11 C) 13 D) 15 E) 19

4.
$$\begin{array}{r} \blacktriangle \blacktriangle \star \\ \times \star 3 \\ \hline 67\blacktriangle \\ + .9. \\ \hline 963\blacktriangle \end{array}$$
 $\blacktriangle = ? , \star = ?$

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

5. $\frac{KLKL}{KL} + \frac{KKK}{K} + \frac{LL}{L} = ?$

A) 123 B) 133 C) 153
D) 203 E) 223

6. $[3 \cdot (KL)]^2 = 1L96$

$K^2 + L = ?$

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

7.
$$\begin{array}{r} \text{ÇAĞDAŞ} \\ + \text{ANALİZ} \\ \hline 1400565 \end{array}$$

$$\begin{array}{r} \text{ÇAĞDAŞ} \\ - \text{ANALİZ} \\ \hline 492129 \end{array}$$

$A + L + I + A + Ğ + A = ?$

A) 25 B) 23 C) 21 D) 19 E) 17

8.
$$\begin{array}{r} S A R A R \\ + R A I \\ \hline 55691 \end{array}$$
 $S A R I = ?$

A) 5482 B) 5483 C) 5573
D) 5582 E) 5583



$$\begin{array}{r} \text{A B B} \\ \times \text{1 B} \\ \hline \text{1 A 7 B} \\ + \text{A B B} \\ \hline \text{3 C A B} \end{array}$$

$$\frac{B + B \times B}{C - A} = ?$$

- A) $\frac{50}{6}$ B) 2 C) 3 D) 4 E) 5

$$\begin{array}{r} \text{K 4 L} \\ \times \text{K L} \\ \hline \text{7 K 9} \\ + \text{4 M N} \\ \hline \text{P P M 9} \end{array}$$

$$\frac{(M - N) \cdot L}{K \cdot (N - L)} = ?$$

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

$$\begin{array}{r} \text{A B} \\ \times \text{B A} \\ \hline \text{B B 2} \\ + \text{D B P} \\ \hline \text{B 7 C 2} \end{array}$$

$$\frac{A \times B + C}{(DP)} = ?$$

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

$$\begin{array}{r} \text{A B C} \\ \times \text{A C} \\ \hline \text{D B C} \\ + \text{A B C} \\ \hline \text{A E F C} \end{array}$$

$$A + B + C + D + E = ?$$

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

$$\begin{array}{r} \text{1 A A} \\ \times \text{1 A} \\ \hline \text{B B A} \\ + \text{1 A A} \\ \hline \text{2 A C A} \end{array}$$

$$C = ?$$

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

$$\begin{array}{r} \text{2 M M} \\ \times \text{S S} \\ \hline \text{1 S S 2} \\ + \text{1 S S 2} \\ \hline \text{1 E 2 E 2} \end{array}$$

$$E = ?$$

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

$$\begin{array}{r} \text{1 M M S} \mid \text{1 E} \\ - \text{1 1 T} \mid \text{E M} \\ \hline \text{LS} \\ - \text{LS} \\ \hline \text{0} \end{array}$$

$$S = ?$$

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

$$\begin{array}{r} \text{1 M S 6} \mid \text{1 E} \\ - \text{1 M M} \mid \text{E T} \\ \hline \text{L 6} \\ - \text{L 6} \\ \hline \text{0} \end{array}$$

$$T = ?$$

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

Cevap Anahtarı – Answer Sheet

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



HARFLİ İFADELER

TEST – 10

1.
$$\begin{array}{r} 3KLM \\ + \quad MPT \\ \hline LL12 \end{array} \quad P = ?$$

A) 2 B) 4 C) 5 D) 6 E) 7

5.
$$\begin{array}{r} 4KL \\ + \quad LK \\ \hline 54M \end{array} \quad M = ?$$

A) 1 B) 3 C) 6 D) 7 E) 9

2.
$$\begin{array}{r} ABA \\ + BAB \\ \hline 1CC3 \end{array} \quad C = ?$$

A) 2 B) 4 C) 5 D) 6 E) 7

6.
$$\begin{array}{r} ABA \\ - 5AB \\ \hline 1C9 \end{array} \quad C = ?$$

A) 0 B) 2 C) 3 D) 6 E) 7

3.
$$\begin{array}{r} 1KLL \\ - \quad MKL \\ \hline LOM \end{array} \quad M = ?$$

A) 2 B) 3 C) 6 D) 8 E) 9

7.
$$\begin{array}{r} 7KL \\ - \quad KKK \\ \hline 199 \end{array} \quad K = ?$$

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

4.
$$\begin{array}{r} 77L \\ - \quad LL7 \\ \hline 1MK \end{array} \quad K = ?$$

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

8.
$$\begin{array}{r} 1LP \\ + \quad PK \\ \hline 256 \end{array} \quad P + L = ?$$

A) 11 B) 12 C) 13 D) 14 E) 15



HARFLİ İFADELER

TEST – 10

9.
$$\begin{array}{r} \text{AKAT} \\ + \text{SSAS} \\ \hline 7\text{S}03 \end{array}$$
 $T = ?$

- A) 1 B) 2 C) 4 D) 6 E) 7

10.
$$\begin{array}{r} \text{CE7} \\ - \text{ECE} \\ \hline 0\text{MC} \end{array}$$
 $C = ?$

- A) 3 B) 4 C) 6 D) 7 E) 9

11.
$$\begin{array}{r} \text{KLM} \\ + \text{KLL} \\ \hline 4\text{KP} \end{array}$$
 $K + L = ?$

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

12.
$$\begin{array}{r} \text{AB} \\ \times \text{BA} \\ \hline \text{C4A} \\ + \text{AB} \\ \hline \text{B4DA} \end{array}$$
 $C = ?$

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

13.
$$\begin{array}{r} \text{MLK} \\ + \text{MLK} \\ \hline 1\text{M}28 \end{array}$$
 $M + L = ?$

- A) 11 B) 12 C) 14 D) 15 E) 17

14.
$$\begin{array}{r} 1\text{PL} \\ \times 1\text{T} \\ \hline 561 \\ + 1\text{PL} \\ \hline 2\text{MT}1 \end{array}$$
 $M = ?$

- A) 0 B) 4 C) 5 D) 7 E) 9

15.
$$\begin{array}{r} \text{AB} \mid \text{B} \\ - \text{B} \mid \text{CB} \\ \hline \text{DB} \\ - \text{DB} \\ \hline 0 \end{array}$$
 $A = ?$

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

16.
$$\begin{array}{r} \text{M2M} \mid \text{K} \\ - \text{TE} \mid \text{KM} \\ \hline 3\text{M} \\ - 3\text{M} \\ \hline 0 \end{array}$$
 $K = ?$

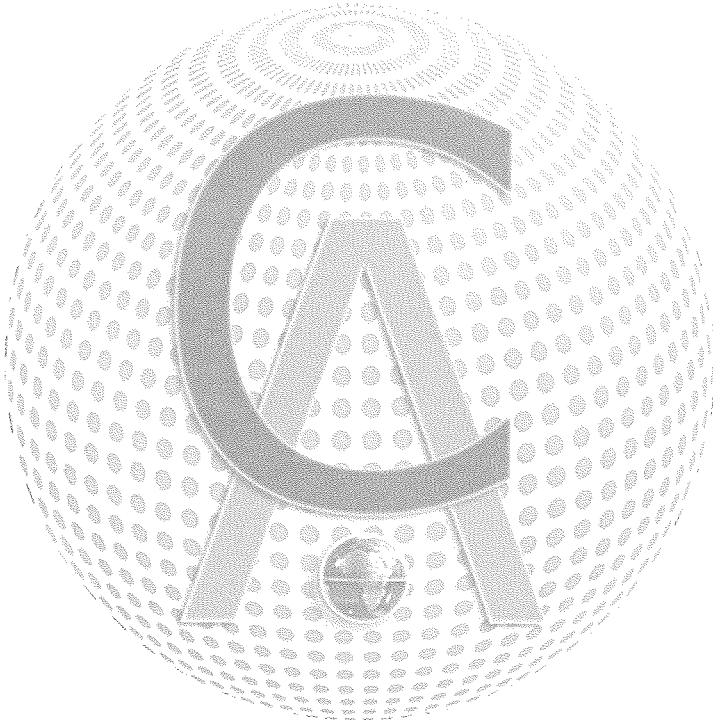
- A) 1 B) 4 C) 5 D) 7 E) 9

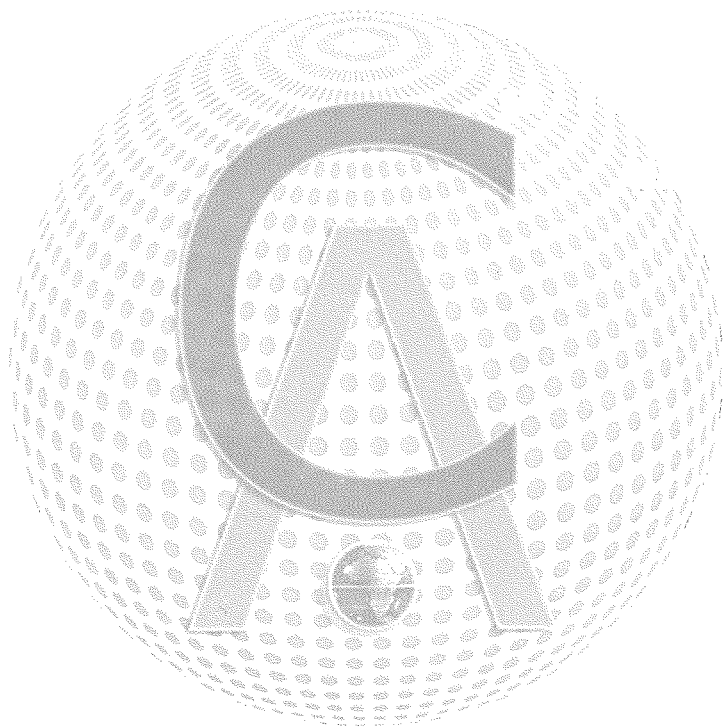
Cevap Anahtarı – Answer Sheet

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

5. BÖLÜM

DENKLEM TABLOLARI





**1.**

+	a	b	c
a		32	
b			41
c	37		

$$a + b + c = ?$$

- A) 15 B) 25 C) 35 D) 45 E) 55

2.

+	a	b	c
a			43
b	49		
c		32	

$$a + b + c = ?$$

- A) 74 B) 71 C) 68 D) 65 E) 62

3.

+	a	b	c
a		96	
b			120
c	56		

$$a = ?$$

- A) 4 B) 8 C) 12 D) 16 E) 20

4.

+	a	b	c
a			52
b	32		
c		42	

$$b = ?$$

- A) 9 B) 11 C) 13 D) 15 E) 17

5.

+	a	b	c
a			37
b	45		
c		46	

$$c = ?$$

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

6.

+	a	b	c
a		61	
b			60
c	79		

$$a - b = ?$$

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



7.

+	a	b	c
a			
b	27		42
c	51		

$$c - b = ?$$

- A) 20 B) 22 C) 24 D) 26 E) 28

8.

+	a	b	c
a			20
b	23		
c		25	

$$a \cdot b = ?$$

- A) 113 B) 117 C) 120 D) 123 E) 126

9.

+	a	b	c
a		11	
b			9
c	14		

$$a \cdot b \cdot c = ?$$

- A) 128 B) 132 C) 144 D) 152 E) 160

10.

+	a	b	c
a		25	30
b		26	
c			

$$c = ?$$

- A) 4 B) 9 C) 12 D) 18 E) 24

11.

+	a	b	c
a		110	
b			25
c			32

$$a = ?$$

- A) 91 B) 95 C) 100 D) 101 E) 110

12.

+	a	b	c
a		6	
b			8
c	7		

$$(b \cdot c) - (a \cdot c) = ?$$

- A) $\frac{1}{2}$ B) $\frac{3}{2}$ C) $\frac{5}{2}$ D) $\frac{7}{2}$ E) $\frac{9}{2}$

Cevap Anahtarı – Answer Sheet

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

**1.**

+	a	b	c
a		$\frac{13}{3}$	
b			$\frac{20}{3}$
c	$\frac{17}{3}$		

$$b^2 - a^2 - c = ?$$

- A) $\frac{5}{3}$ B) $\frac{4}{3}$ C) 1 D) $\frac{2}{3}$ E) $\frac{1}{3}$

2.

+	a	b	c
a		3	
b			4
c	2		

$$c^2 - a \cdot b = ?$$

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

3.

+	a	b	c
a	$\frac{16}{3}$		
b	$\frac{52}{15}$		
c		$\frac{38}{35}$	

$$a + b + c = ?$$

- A) $\frac{53}{105}$ B) $\frac{111}{105}$ C) $\frac{197}{105}$ D) $\frac{394}{105}$ E) $\frac{411}{105}$

4.

+	a	b	c
a		$\frac{17}{3}$	
b			$\frac{31}{6}$
c	$\frac{33}{6}$		

$$a \cdot b \cdot c = ?$$

- A) 15 B) 20 C) 25 D) 30 E) 60

5.

+	a	b	c
a		22	
b			19
c	25		

$$(a - b) - (c - b) = ?$$

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

6.

+	a	b	c
a		12	
b			9
c	8		

$$c - (b - a) = ?$$

- A) $\frac{1}{2}$ B) $\frac{3}{2}$ C) $\frac{5}{2}$ D) $\frac{7}{2}$ E) $\frac{9}{2}$



7.

+	a	b	c
a			
b	$\frac{26}{15}$	$\frac{4}{5}$	$\frac{43}{20}$
c			

$$a \cdot c = ?$$

- A) $\frac{4}{3}$ B) $\frac{5}{3}$ C) $\frac{7}{3}$ D) $\frac{8}{3}$ E) $\frac{10}{3}$

8.

+	a	b	c
a			5
b	$\frac{15}{2}$		
c		$\frac{7}{2}$	

$$b - a \cdot c = ?$$

- A) $\frac{11}{4}$ B) $\frac{9}{4}$ C) $\frac{7}{4}$ D) $\frac{5}{4}$ E) $\frac{3}{4}$

9.

+	a	b	c
a		$c-2$	
b			
c	$4.b$	22	

$$3a + c = ?$$

- A) 10 B) 25 C) 30 D) 40 E) 50

10.

+	a	b	c
a		$c-3$	
b			$3.a-3$
c	27		

$$\frac{a \cdot b}{c} = ?$$

- A) 1 B) 2 C) 3 D) 6 E) 12

11.

+	a	b	c
a		23	
b			$a-2$
c	$6.b-1$		

$$a \cdot b - b \cdot c = ?$$

- A) 105 B) 75 C) 35 D) 25 E) 15

12.

+	a	b	c
a		c	
b			$\frac{5.a}{3}$
c	49		

$$\frac{a \cdot c}{b} = ?$$

- A) 4 B) 60 C) 74 D) 80 E) 84

Cevap Anahtarı – Answer Sheet

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

**1.**

+	a	b	c
a			$b-7$
b		$4.c$	63
c			

$$a = ?$$

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

2.

+	a	b	c
a		$41-2.b$	
b			$20-b$
c	$20-2.c$		

$$a+b+c = ?$$

- A) 15 B) 20 C) 25 D) 35 E) 40

3.

+	a	b	c
a		13	$5.b$
b			
c		$3.b+3$	

$$a+b+c = ?$$

- A) 23 B) 24 C) 25 D) 26 E) 27

4.

+	a	b	c
a	$b+6$		
b		$2.a+c$	
c			$2.a+2$

$$a+b-2 \cdot c = ?$$

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

5.

+	a	b	c
a		$\frac{c}{3}$	
b		6	
c			$12.a+12$

$$\frac{c}{b} - a = ?$$

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

6.

+	a	b	c
a			2
b		$3.a$	
c			$\frac{14}{5}$

$$\frac{b-c}{a} = ?$$

- A) $-\frac{3}{7}$ B) $-\frac{5}{6}$ C) $-\frac{7}{8}$ D) $-\frac{8}{9}$ E) $-\frac{9}{10}$



7.

+	a	b	c
a			13
b	3.c		
c			a-1

b = ?

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

8.

+	a	b	c
a	2.b+4		c
b		4.c+2	
c	$\frac{33}{4}$		

a - b = ?

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

9.

+	a	b	c
a	$\frac{b}{2}$		
b	$\frac{15}{2}$		
c		19	

c + b · a = ?

- A) 18 B) 20 C) 21 D) 22 E) 24

10.

+	a	b	c
a	$\frac{2.c}{9}$	c-2	
b			$\frac{19}{3}$
c			

a = ?

- A)
- $\frac{19}{51}$
- B)
- $\frac{22}{51}$
- C)
- $\frac{23}{51}$
- D)
- $\frac{25}{51}$
- E)
- $\frac{29}{51}$

11.

+	a	b	c
a	3.b	2.d	2.b
b		e	6
c			d-1

d + e = ?

- A) 10 B) 11 C) 13 D) 14 E) 17

12.

+	a	b	c
a	3.c		3.b
b			
c		11	

a + b + c = ?

- A) 8 B) 12 C) 16 D) 20 E) 24

Cevap Anahtarı – Answer Sheet

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



DENKLEM TABLOLARI

TEST – 4

1.

x	a	b	c
a		48	
b			54
c	72		

$$c = ?$$

- A) 9 B) 12 C) 15 D) 18 E) 27

2.

x	a	b	c
a		42	
b			72
c	84		

$$a = ?$$

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

3.

x	a	b	c
a			48
b	72		
c		216	

$$b = ?$$

- A) 4 B) 6 C) 12 D) 18 E) 24

4.

x	a	b	c
a			
b	64		
c	192	48	

$$a + b + c = ?$$

- A) 16 B) 24 C) 32 D) 40 E) 48

5.

x	a	b	c
a		108	132
b			99
c			

$$a + b - c = ?$$

- A) 41 B) 32 C) 28 D) 12 E) 10

6.

x	a	b	c
a			
b	76		171
c	36		

$$b - (a + c) = ?$$

- A) 17 B) 14 C) 11 D) 9 E) 6



7.

x	a	b	c
a			2
b	12		$\frac{3}{2}$
c			

$$a = ?$$

- A) 12 B) 8 C) 4 D) 3 E) 2

8.

x	a	b	c
a			$\frac{1}{2}$
b	4		32
c			

$$c = ?$$

- A) 1 B) 2 C) 4 D) 6 E) 8

9.

x	a	b	c
a		3	
b			5
c	135		

$$b = ?$$

- A)
- $\frac{1}{3}$
- B)
- $\frac{2}{3}$
- C)
- $\frac{4}{3}$
- D)
- $\frac{5}{3}$
- E)
- $\frac{7}{3}$

10.

x	a	b	c
a	$\frac{3.b}{2}$		
b		4.c	54
c			

$$b = ?$$

- A) 3 B) 6 C) 9 D) 12 E) 15

11.

x	a	b	c
a	4.b		
b		3.c	
c		243	

$$a + b + c = ?$$

- A) 21 B) 28 C) 35 D) 42 E) 51

12.

x	a	b	c
a	2.c	32	
b		$\frac{c}{2}$	
c			

$$c - (a + b) = ?$$

- A) 20 B) 18 C) 16 D) 14 E) 12

Cevap Anahtarı – Answer Sheet

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



1.

x	a	b	c
a		16	
b			64
c	9		

$$(a+c)-b=?$$

- A) $\frac{-4}{7}$ B) $\frac{-6}{11}$ C) $\frac{-13}{7}$ D) $\frac{-15}{7}$ E) $\frac{-19}{6}$

2.

x	a	b	c
a		c^2	
b			$2.a$
c	$32.b$		

$$a+b+c=?$$

- A) 21 B) 23 C) 24 D) 25 E) 28

3.

x	a	b	c
a	$4.b$		$2.c$
b		$5.c$	
c			

$$a=?$$

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

4.

x	a	b	c
a	$3.c$	$2.c$	
b		$4.a$	
c			

$$b-\frac{c}{a}=?$$

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

5.

x	a	b	c
a		128	$2.b$
b			
c			16

$$a+b+c=?$$

- A) 22 B) 24 C) 26 D) 28 E) 30

6.

x	a	b	c
a		$3.c$	
b			32
c	$12.b$		

$$a+b+c=?$$

- A) 14 B) 16 C) 18 D) 20 E) 22



DENKLEM TABLOLARI

TEST – 5

7.

x	a	b	c
a		96	
b			36
c	24		

$$a \cdot b \cdot c = ?$$

- A) 192 B) 220 C) 244 D) 288 E) 296

8.

x	a	b	c
a		$\frac{1}{3}$	
b			$\frac{2}{3}$
c	$\frac{2}{9}$		

$$a \cdot b \cdot c = ?$$

- A) $\frac{1}{9}$ B) $\frac{2}{9}$ C) $\frac{1}{3}$ D) $\frac{4}{9}$ E) $\frac{7}{9}$

9.

x	a	b	c
a		21	
b			$2.a+2$
c	24		

$$b = ?$$

- A) $\frac{3}{2}$ B) $\frac{5}{2}$ C) $\frac{7}{2}$ D) $\frac{9}{2}$ E) $\frac{11}{2}$

10.

x	a	b	c
a			$24.c$
b	$6.c$		$4.c$
c			

$$\frac{a+b}{c} = ?$$

- A) $\frac{1}{4}$ B) $\frac{3}{4}$ C) $\frac{7}{4}$ D) $\frac{9}{4}$ E) $\frac{15}{4}$

11.

x	a	b	c
a		$6.c$	
b			$3.c+2$
c	$c+4$		

$$a+b+c = ?$$

- A) 15 B) 12 C) 9 D) 6 E) 3

12.

x	a	b	c
a	$\frac{c}{3}$	18	
b			
c	$9.a^2$		

$$c - (a+b) = ?$$

- A) 18 B) 21 C) 23 D) 24 E) 25

Cevap Anahtarı – Answer Sheet

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



1.

+	a	b	c
a		12	
b			15
c	9		

$$\frac{a \cdot c}{b} = ?$$

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

2.

+	a	b	c
a		3b	
b			12
c	20		

$$\frac{a}{c} + b = ?$$

- A) 8 B) 12 C) 14 D) 16 E) 20

3.

x	a	b	c
a			8
b			
c		10	

$$a + b = 9$$

$$a + c = ?$$

- A) 5 B) 6 C) 8 D) 9 E) 12

4.

+	a	b	c
a			30
b			
c			

x	a	b	c
a		24	
b			96
c			

$$\frac{a \cdot c}{b} = ?$$

- A) 32 B) 33 C) 36 D) 39 E) 42

5.

+	a	b
c	7	9
d	10	12

x	a	b
c	12	20
d	21	35

$$\frac{d-b}{c-a} = ?$$

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

6.

+	a	b	c
a			
b	18		14
c			$\frac{b}{3}$

$$a + c = ?$$

- A) 12 B) 10 C) 8 D) 4 E) 2



7.

+	a	b	c
a		$\frac{5b}{2}$	
b			15
c	2b		

$$\frac{a \cdot b}{c} = ?$$

- A) 34 B) 30 C) 24 D) 18 E) 12

8.

x	a	b	c
a	c		64
b		a	
c			

$$a + c = ?$$

- A) 14 B) 16 C) 18 D) 20 E) 22

9.

+	a	b	c
a			17
b			
c		20	

$$a + b = ?$$

- A) 15 B) 10 C) 9 D) 6 E) 5

10.

+	a	b	c
a		13	
b			12
c	17		

$$\frac{k}{m} = ?$$

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

x	a	b	c
a			k
b	m		
c			

11.

+	a	b	c
a		17	
b		a-2	
c	19		

$$b + c = ?$$

- A) 24 B) 18 C) 16 D) 12 E) 8

12.

+	a	b	c
a			31
b		18	
c		a	

$$a + b + c = ?$$

- A) 60 B) 45 C) 40 D) 30 E) 20

Cevap Anahtarı – Answer Sheet

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



DENKLEM TABLOLARI

TEST – 7

1.

x	a	b	c
a	b		
b			
c	16		16.b

$$a + c = ?$$

- A) 12 B) 10 C) 8 D) 6 E) 2

2.

+	a	b	c
a			
b	28		
c			

x	a	b	c
a			42
b			
c		14	

$$a - (b + c) = ?$$

- A) 20 B) 14 C) 12 D) 11 E) 9

3.

+	a	b	c
a			bc
b			
c			

x	a	b	c
a			
b	18c		$\frac{5a}{3}$
c			

$$b = ?$$

- A) 15 B) 14 C) 13 D) 12 E) 11

4.

+	a	b	c
a		19	4c
b			
c		7	

$$b = ?$$

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

5.

+	a	b	c
a		8c	
b			$\frac{3a}{2}$
c			10

$$b = ?$$

- A) 21 B) 22 C) 23 D) 25 E) 26

6.

x	a	b	c
a			15
b			
c		10a	25

$$a + b + c = ?$$

- A) 11 B) 12 C) 14 D) 16 E) 20



DENKLEM TABLOLARI

TEST - 7

7.

+	a	b	c
a			
b	24		4c
c			

x	a	b	c
a			
b			27
c			

$$\frac{a \cdot b}{c} = ?$$

- A) 50 B) 45 C) 40 D) 30 E) 27

8.

+	a	b	c
a			
b			30
c			

x	a	b	c
a		6c	
b			
c	30		

$$c = ?$$

- A) 30 B) 20 C) 15 D) 10 E) 5

9.

+	a	b	c
a			
b			a-2
c	26		b

$$a + b = ?$$

- A) 48 B) 43 C) 39 D) 34 E) 32

10.

+	a	b	c
a		c	
b			
c		3a-2b	

$$\frac{a+c}{b} = ?$$

- A) 10 B) 8 C) 7 D) 5 E) 2

11.

x	a	b	c
a		36	45
b			
c		20	

$$a + b + c = ?$$

- A) 20 B) 18 C) 17 D) 16 E) 15

12.

+	a	b	c
a			2
b			
c			

x	a	b	c
a		27	
b			3
c			

$$b = ?$$

- A) 21 B) 15 C) 12 D) 11 E) 9

Cevap Anahtarı – Answer Sheet

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



1.

+	a	b	c
a			
b			
c			$3b^3$

x	a	b	c
a		18	
b		c	
c			

$$a = ?$$

- A) 36 B) 30 C) 27 D) 18 E) 9

4.

x	a	b	c
a			
b			$8a$
c	b		

$$c^2 = ?$$

- A) 16 B) 9 C) 8 D) 2 E) 1

2.

+	a	b	c	d
a				$3c - 2$
b			15	
c	16		$8b$	
d				

$$d = ?$$

- A) 30 B) 32 C) 48 D) 60 E) 64

5.

+	a	b	c
a			
b			
c	$5b$		

x	a	b	c
a		$4c$	
b			$9a$
c			

$$\left(\frac{a+c}{b}\right)^2 = ?$$

- A) 45 B) 36 C) 25 D) 18 E) 12

3.

+	a	b	c
a		$4c+1$	
b			
c	27		a

$$b = ?$$

- A) 18 B) 19 C) 21 D) 24 E) 27

6.

+	a	b	c
a			20
b			
c			

x	a	b	c
a		39	
b			13
c			

$$b = ?$$

- A) 39 B) 5 C)
- $\frac{13}{3}$
- D)
- $\frac{13}{5}$
- E)
- $\frac{3}{5}$



DENKLEM TABLOLARI

TEST – 8

7.

+	a	b	c
a		$12 - 3a$	
b			
c	$12 - c$	$29 - 4c$	

$$c = ?$$

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

8.

+	a	b	c
a	$c + 2$		
b		$3c + 6$	
c			$b + 6$

$$a - b + c = ?$$

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

9.

x	a	b	c
a		$4\sqrt{8}$	
b		$2a$	
c			$6a$

$$b = ?$$

- A) 2 B) 4 C) $2\sqrt{2}$ D) $\sqrt{6}$ E) 8

10.

+	a	b	c
a			
b			$7a$
c			

x	a	b	c
a			64
b	48		
c			

$$\frac{c-b}{a} = ?$$

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

11.

+	a	b	c
a		13	
b			22
c	17		

x	a	b	c
a			
b	k		
c			

$$k + c = ?$$

- A) 51 B) 49 C) 48 D) 46 E) 45

12.

+	a	b	c
a		$4c$	
b		c	
c	36		

$$a = ?$$

- A) 32 B) 28 C) 24 D) 20 E) 16

Cevap Anahtarı – Answer Sheet

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



1.

+	a	b	c
a			$b+3$
b	$2c+1$		
c		$3a+4$	

$$c = ?$$

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

2.

x	a	b	c
a		27	
b			$18a$
c	18		

$$a + c = ?$$

- A) 18 B) 12 C) 9 D) 8 E) 7

3.

+	a	b	c
a			16
b		b^2	
c			

x	a	b	c
a			
b	14		
c			

$$c = ?$$

- A) 16 B) 9 C) 4 D) 2 E) 1

4.

+	a	b	c
a			
b			
c		1	

x	a	b	c	d
a		18		
b				
c	12			
d	36			

$$[a+b] - [c+d] = ?$$

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

5.

+	a	b	c
a			34
b	44	$\frac{3a}{4}$	
c			

$$c = ?$$

- A) 2 B) 3 C) 4 D) 17 E) 19

6.

+	a	b	c	d
a		$3c+d$		$c+6$
b				
c	15			9
d				

$$\frac{b \cdot c \cdot d}{a} = ?$$

- A) 60 B) 48 C) 45 D) 30 E) 24



7.

x	a	b	c
a			
b			
c	18b		9b ²

a = ?

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

8.

+	a	b	c
a			
b			
c	2b		

x	a	b	c
a		32	
b			96
c			

b = ?

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

9.

+	a	b	c
a			
b	$\frac{c}{3}$		
c	15b		

x	a	b	c
a		c-3b	
b			
c			

c + a . b = ?

- A) 63 B) 72 C) 103 D) 135 E) 143

10.

+	a	b	c
a			5a-2
b	11		
c		2b-3	

c = ?

- A) 6 B) 12 C) 18 D) 24 E) 25

11.

+	a	b	c	d
a	3b			
b				
c			a	6b
d				

9b - (a + d) = ?

- A) 2d B) 3a C) 3c D) 3b E) 2a

12.

x	a	b	c	d
a			36	
b	24			
c				48
d		32		

b + c = ?

- A) 16 B) 12 C) 8 D) 6 E) 5

Cevap Anahtarı – Answer Sheet

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



1.

+	a	b	c
a			
b			
c			$\frac{b}{4}$

x	a	b	c
a			3b
b			
c		12a	

$$\frac{b}{a} + c = ?$$

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

2.

+	a	b	c	d
a				
b				
c				b-c
d				

x	a	b	c	d
a				
b	48		8b	
c			16d	
d				

$$a = ?$$

- A) $\frac{3}{5}$ B) $\frac{12}{5}$ C) 3 D) 5 E) 12

3.

+	a	b	c
a		13	
b			18
c	17		

$$a + b + c = ?$$

- A) 16 B) 20 C) 24 D) 36 E) 48

4.

+	a	b	c
a		21	
b			16
c	18		

$$2b - (a + c) = ?$$

- A) $\frac{1}{2}$ B) 1 C) $\frac{3}{2}$ D) 2 E) 3

5.

+	a	b	c
a		15	
b			22
c	13		

$$a = ?$$

- A) 10 B) 8 C) 6 D) 3 E) 1

6.

+	a	b	c
a		15	
b			12
c	9		

$$c = ?$$

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



DENKLEM TABLOLARI

TEST – 10

7.

+	a	b
a		
b	33	

x	a	b	c
a			12
b			21

$$a+b+c=?$$

- A) 34 B) 37 C) 39 D) 42 E) 48

8.

+	a	b	c
a			
b			
c	49		

x	a	b	c
a		15	
b			20
c			

$$a=?$$

- A) 3 B) 4 C) 7 D) 21 E) 28

9.

+	a	b	c
a			
b			35
c			

x	a	b	c
a			18
b	27		
c			

$$a=?$$

- A) $\frac{9}{7}$ B) $\frac{3}{2}$ C) 2 D) 6 E) 7

10.

+	a	b	c
a		12	
b			16
c	14		

x	a	b	c
a		m	
b			k
c	n		

$$m+n+k=?$$

- A) 42 B) 80 C) 98 D) 143 E) 185

11.

+	a	b	c
a		21	
b			17
c	12		

$$a \cdot c=?$$

- A) 4 B) 8 C) 12 D) 32 E) 52

12.

+	a	b	c
a			33
b	18		
c		19	

$$a \cdot b \cdot c=?$$

- A) 272 B) 346 C) 544 D) 686 E) 848

Cevap Anahtarı – Answer Sheet

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



1.

+	a	b	c
a		11	17
b			12
c			

$$\frac{a \cdot c}{b} = ?$$

- A) a B) 2a C) 6b D) 3c E) 8b

2.

+	a	b	c
a			9
b	7		
c		14	

$$a^2 \cdot b^2 + c^2 = ?$$

- A) 36 B) 50 C) 64 D) 100 E) 101

3.

+	a	b	c
a		40	
b			
c			

x	a	b	c
a			18
b			
c		12	

$$b \cdot c = ?$$

- A)
- $\frac{a}{3}$
- B)
- $\frac{b}{2}$
- C)
- $\frac{c}{a}$
- D)
- $\sqrt{b}$
- E)
- $\frac{a}{2}$

4.

+	a	b	c
a			
b			
c		42	

x	a	b	c
a		21	
b			
c	28		

$$\frac{a \cdot b + a \cdot c}{2b} = ?$$

- A) a B) 2a C)
- a^2
- D) c E) 2c

5.

+	a	b	c
a			30
b			
c			

x	a	b	c
a		40	
b			35
c			

$$\frac{a^2 + c^2}{2b} = ?$$

- A) 5 B) 6 C) 12 D) 18 E) 30

6.

+	a	b	c
a			
b			12
c			

x	a	b	c
a		19	
b			
c	38		

$$a \cdot b \cdot c = ?$$

- A) 176 B) 152 C) 76 D) 57 E) 49



7.

+	a	b	c
a		13	
b			10
c	17		

x	a	b	c
a		m	
b			k
c	n		

$$m+n+k=?$$

- A) 121 B) 100 C) 70 D) 51 E) 49

8.

+	a	b	c
a			17
b	11		
c		10	

x	a	b	c
a			n
b	m		k
c			

$$\frac{n+k}{m}=?$$

- A) $\frac{32}{3}$ B) $\frac{17}{2}$ C) $\frac{44}{9}$ D) 4 E) $\frac{9}{2}$

9.

+	a	b	c
a	b	m	
b			n
c	k		

x	a	b	c
a		2b	
b			12
c			

$$k \cdot m - 2n = ?$$

- A) 4 B) 8 C) 12 D) 16 E) 20

10.

+	a	b	c
a			
b		c	
c			

x	a	b	c
a			
b			$\frac{3c}{2}$
c	18		

$$\frac{a+c}{b}=?$$

- A) a^2 B) b C) c D) 2a E) $4 \cdot b$

11.

+	a	b	c
a	b		
b			
c			

x	a	b	c
a	b		
b	m		
c			

$$m=?$$

- A) 2 B) 4 C) 6 D) 8 E) 10

12.

+	a	b	c
a		9	
b			8
c			

x	a	b	c
a			42
b			
c			

$$a \cdot b = ?$$

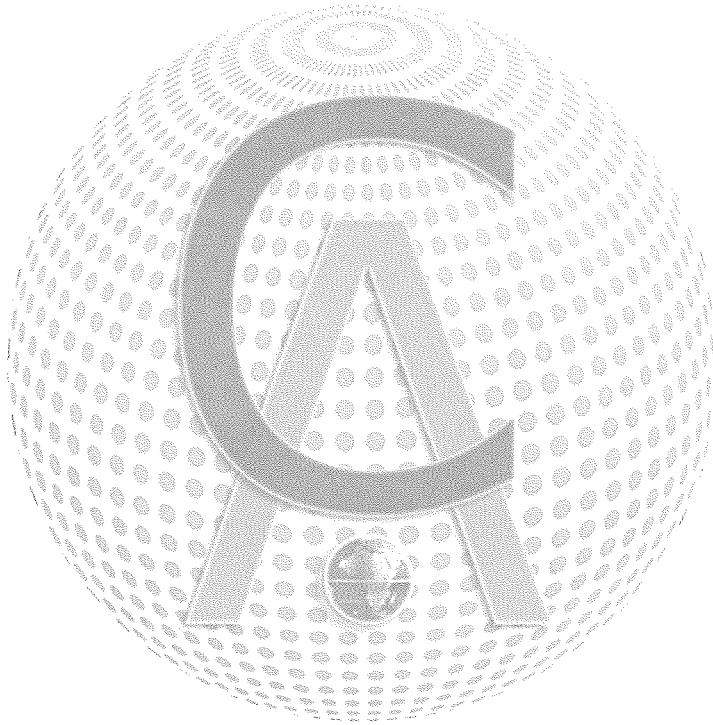
- A) c B) a.c C) $\frac{a \cdot c}{3}$ D) $\frac{b \cdot c}{4}$ E) $2b+c$

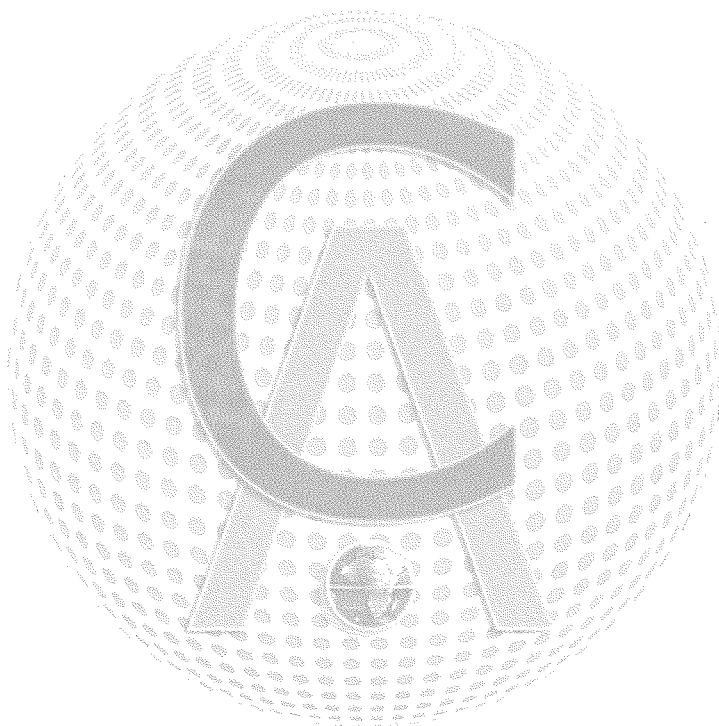
Cevap Anahtarı – Answer Sheet

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

6. BÖLÜM

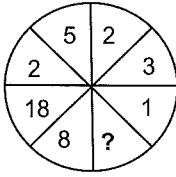
SAYISAL İLİŞKİLER





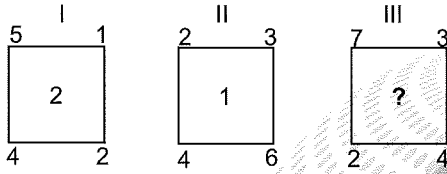


1.



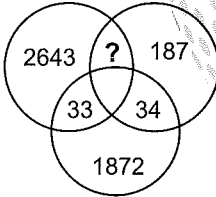
- A) 16 B) 24 C) 32 D) 50 E) 64

2.



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

3.



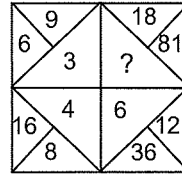
- A) 20 B) 21 C) 31 D) 32 E) 35

4.

X	Y	Z
6	25	21
4	19	13
9	34	33
12	43	?

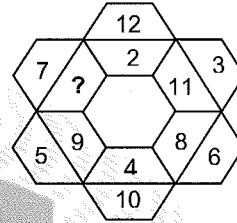
- A) 36 B) 39 C) 41 D) 43 E) 45

5.



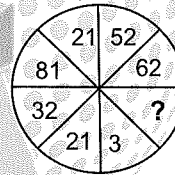
- A) 2
B) 5
C) 7
D) 8
E) 9

6.



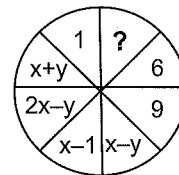
- A) 5
B) 6
C) 7
D) 8
E) 9

7.



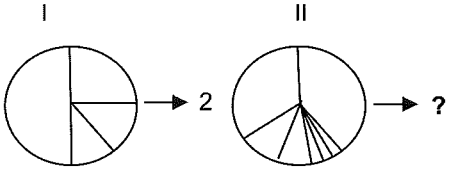
- A) 9 B) 18 C) 63 D) 80 E) 92

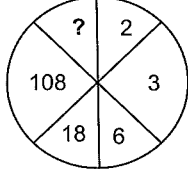
8.

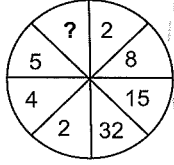


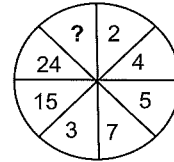
- A) $\frac{y}{2}$ B) $2y$ C) $\frac{3}{2}y$ D) 3 E) y

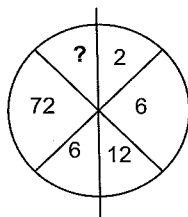


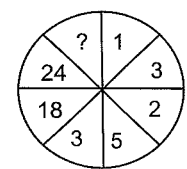
9. I II

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

10. 
A) 1
B) $\frac{3}{2}$
C) 2
D) 72
E) 1844

11. 
A) 1
B) 6
C) 7
D) 8
E) 12

12. 
A) 29
B) 32
C) 42
D) 45
E) 48

13. 
A) 432
B) 36
C) 12
D) 6
E) 1

14. 
A) 36
B) 45
C) 60
D) 90
E) 120

15.

2	3	4	6
1	4	9	?

- A) 12 B) 16 C) 18 D) 24 E) 25

16.

3	12
192	48

?	18
648	108

- A) 1 B) 2 C) 3 D) 6 E) 9

17.

4	15
43	28

9	21
?	35

- A) 51 B) 56 C) 64 D) 70 E) 82

18.

27	8
2	3

216	?
8	6

- A) 428 B) 456 C) 512 D) 576 E) 1024

Cevap Anahtarı – Answer Sheet

1.D	2.C	3.C	4.E	5.E	6.C
7.C	8.E	9.B	10.B	11.D	12.E
13.A	14.E	15.E	16.C	17.A	18.C



1.

12	19
39	28

?	41
81	60

A) 23 B) 24 C) 27 D) 32 E) 34

2.

128	64
16	32

832	208
?	52

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

3.

144	24
3	6

420	60
?	12

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

4.

6	9	6	9	6
5	1	2	3	4

4	6	4	6	?
---	---	---	---	---

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

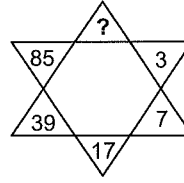
5.

8	7	4	2	8
6	4	9	5	?

62	39	49	17	80
----	----	----	----	----

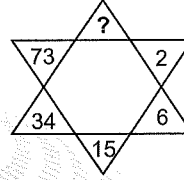
A) 6 B) 7 C) 8 D) 9 E) 10

6.



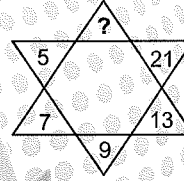
A) 1
B) 2
C) 12
D) 170
E) 179

7.



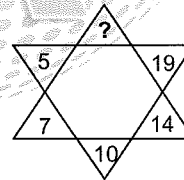
A) 0
B) $\frac{1}{2}$
C) 1
D) 151
E) 154

8.



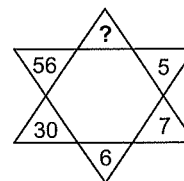
A) 3
B) 4
C) 12
D) 29
E) 32

9.



A) 28
B) 25
C) 24
D) 23
E) 22

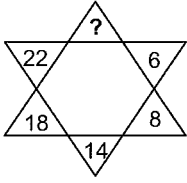
10.



A) 38
B) 30
C) 12
D) 4
E) 2

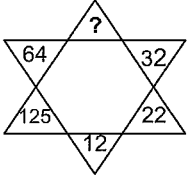


11.



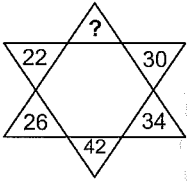
- A) 34
B) 35
C) 36
D) 37
E) 38

12.



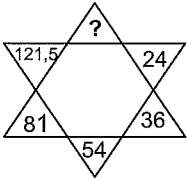
- A) 21
B) 27
C) 33
D) 38
E) 46

13.



- A) 12
B) 14
C) 24
D) 25
E) 30

14.



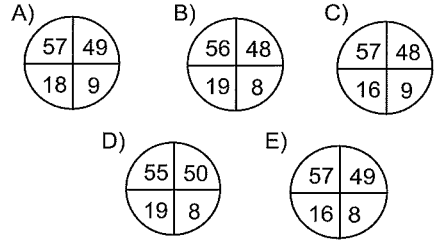
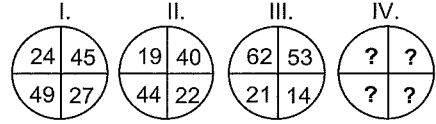
- A) 12
B) 14
C) 16
D) 20
E) 22

15.

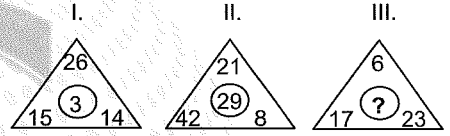
1	4	9	16	25	36	?
7	8	10	13	17	22	?

- A) 48 – 29
B) 49 – 29
C) 48 – 28
D) 49 – 28
E) 49 – 27

16.

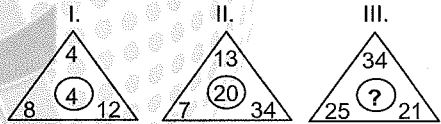


17.



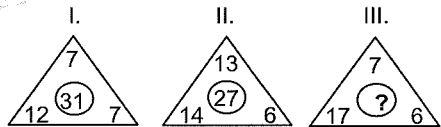
- A) 48
B) 34
C) 12
D) 6
E) 0

18.



- A) 12
B) 15
C) 19
D) 24
E) 28

19.

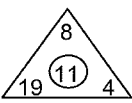
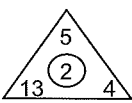
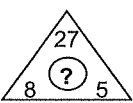


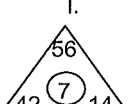
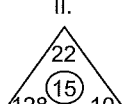
- A) 39
B) 37
C) 35
D) 33
E) 31

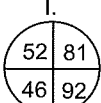
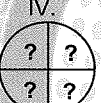
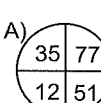
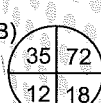
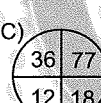
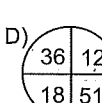
Cevap Anahtarı – Answer Sheet

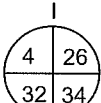
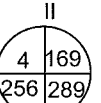
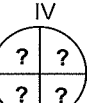
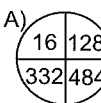
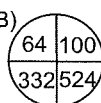
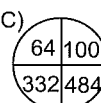
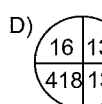
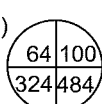
1.B	2.B	3.D	4.B	5.C	6.E	7.B
8.B	9.B	10.B	11.A	12.B	13.B	14.C
15.D	16.C	17.B	18.B	19.A		

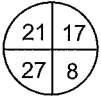
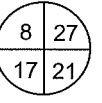
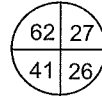
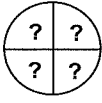
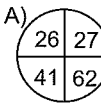
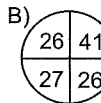
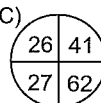
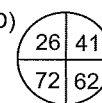
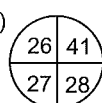


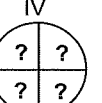
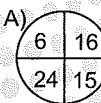
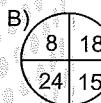
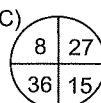
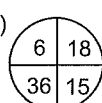
1. I. II. III.
-   
- A) 14 B) 12 C) 10 D) 9 E) 6

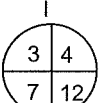
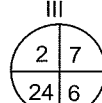
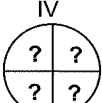
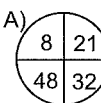
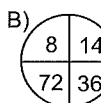
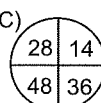
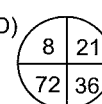
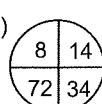
2. I. II. III.
-   
- A) 10 B) 9 C) 8 D) 6 E) 4

3. I. II. III. IV.
-   :  
- A)  B)  C) 
- D)  E) 

4. I. II. III. IV.
-   :  
- A)  B)  C) 
- D)  E) 

5. I. II. III. IV.
-   :  
- A)  B)  C) 
- D)  E) 

6. I. II. III. IV.
-   :  
- A)  B)  C) 
- D)  E) 

7. I. II. III. IV.
-   :  
- A)  B)  C) 
- D)  E) 



SAYISAL İLİŞKİLER

TEST – 3

8. I II III IV

$\begin{array}{|c|c|} \hline 24 & 15 \\ \hline 15 & 2 \\ \hline \end{array}$ $\begin{array}{|c|c|} \hline 6 & 5 \\ \hline 3 & 1 \\ \hline \end{array}$: $\begin{array}{|c|c|} \hline 12 & 18 \\ \hline 20 & 8 \\ \hline \end{array}$ $\begin{array}{|c|c|} \hline ? & ? \\ \hline ? & ? \\ \hline \end{array}$

A) $\begin{array}{|c|c|} \hline 4 & 4 \\ \hline 4 & 4 \\ \hline \end{array}$ B) $\begin{array}{|c|c|} \hline 4 & 5 \\ \hline 5 & 4 \\ \hline \end{array}$ C) $\begin{array}{|c|c|} \hline 3 & 6 \\ \hline 5 & 4 \\ \hline \end{array}$

D) $\begin{array}{|c|c|} \hline 3 & 5 \\ \hline 4 & 4 \\ \hline \end{array}$ E) $\begin{array}{|c|c|} \hline 3 & 6 \\ \hline 4 & 4 \\ \hline \end{array}$

9. I II III IV

$\begin{array}{|c|c|} \hline 2 & 7 \\ \hline 5 & 3 \\ \hline \end{array}$ $\begin{array}{|c|c|} \hline 5 & 15 \\ \hline 11 & 7 \\ \hline \end{array}$: $\begin{array}{|c|c|} \hline 8 & 4 \\ \hline 12 & 17 \\ \hline \end{array}$ $\begin{array}{|c|c|} \hline ? & ? \\ \hline ? & ? \\ \hline \end{array}$

A) $\begin{array}{|c|c|} \hline 16 & 8 \\ \hline 24 & 34 \\ \hline \end{array}$ B) $\begin{array}{|c|c|} \hline 24 & 12 \\ \hline 36 & 51 \\ \hline \end{array}$ C) $\begin{array}{|c|c|} \hline 17 & 9 \\ \hline 25 & 35 \\ \hline \end{array}$

D) $\begin{array}{|c|c|} \hline 25 & 13 \\ \hline 37 & 52 \\ \hline \end{array}$ E) $\begin{array}{|c|c|} \hline 32 & 16 \\ \hline 48 & 68 \\ \hline \end{array}$

10. I II III IV

$\begin{array}{|c|c|} \hline 4 & 5 \\ \hline 7 & 9 \\ \hline \end{array}$ $\begin{array}{|c|c|} \hline 17 & 18 \\ \hline 20 & 22 \\ \hline \end{array}$: $\begin{array}{|c|c|} \hline 24 & 3 \\ \hline 14 & 32 \\ \hline \end{array}$ $\begin{array}{|c|c|} \hline ? & ? \\ \hline ? & ? \\ \hline \end{array}$

A) $\begin{array}{|c|c|} \hline 30 & 10 \\ \hline 23 & 40 \\ \hline \end{array}$ B) $\begin{array}{|c|c|} \hline 37 & 14 \\ \hline 25 & 42 \\ \hline \end{array}$ C) $\begin{array}{|c|c|} \hline 34 & 12 \\ \hline 23 & 41 \\ \hline \end{array}$

D) $\begin{array}{|c|c|} \hline 29 & 8 \\ \hline 19 & 37 \\ \hline \end{array}$ E) $\begin{array}{|c|c|} \hline 37 & 16 \\ \hline 27 & 45 \\ \hline \end{array}$

11. $\begin{array}{|c|c|} \hline ? & 7 \\ \hline 34 & 9 \\ \hline 27 & 12 \\ \hline 21 & 16 \\ \hline \end{array}$

A) 42
B) 41
C) 38
D) 32
E) 5

12. $\begin{array}{|c|c|} \hline ? & 9 \\ \hline 210 & 14 \\ \hline 112 & 22 \\ \hline 62 & 36 \\ \hline \end{array}$

A) 5
B) 400
C) 402
D) 404
E) 410

13. $\begin{array}{|c|c|} \hline ? & 1 \\ \hline 64 & 4 \\ \hline 125 & 3 \\ \hline 8 & 7 \\ \hline \end{array}$

A) 81
B) 144
C) 196
D) 484
E) 512

14. $\begin{array}{|c|c|} \hline ? & 4 \\ \hline 105 & 8 \\ \hline 56 & 15 \\ \hline 28 & 7 \\ \hline \end{array}$

A) 1
B) 3
C) 21
D) 35
E) 56

15. $\begin{array}{|c|c|} \hline ? & 15 \\ \hline 26 & 18 \\ \hline 27 & 13 \\ \hline 15 & 20 \\ \hline \end{array}$

A) 50
B) 48
C) 36
D) 27
E) 23

Cevap Anahtarı – Answer Sheet

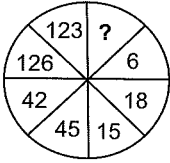
1.C	2.C	3.E	4.E	5.C	6.D
7.B	8.E	9.C	10.E	11.A	12.D
13.E	14.A	15.A			



SAYISAL İLİŞKİLER

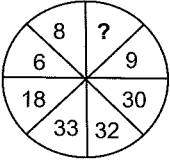
TEST – 4

1.



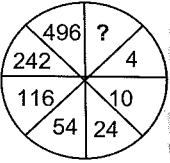
- A) 2
B) 9
C) 246
D) 366
E) 446

2.



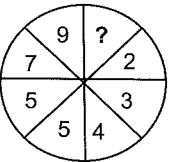
- A) 7
B) 10
C) 11
D) 13
E) 15

3.



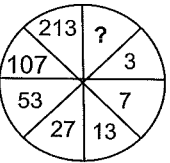
- A) 0
B) 2
C) 749
D) 992
E) 996

4.



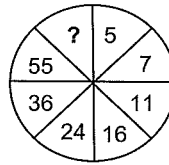
- A) 1
B) 2
C) 8
D) 9
E) 10

5.



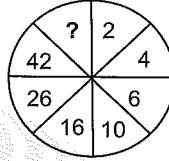
- A) 1
B) 3
C) 416
D) 420
E) 427

6.



- A) 0
B) 1
C) 77
D) 85
E) 87

7.



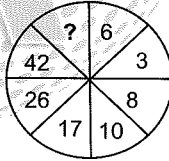
- A) 2
B) 36
C) 48
D) 65
E) 67

8.



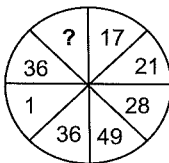
- A) 3
B) 6
C) 9
D) 12
E) 30

9.



- A) 68
B) 67
C) 66
D) 65
E) 64

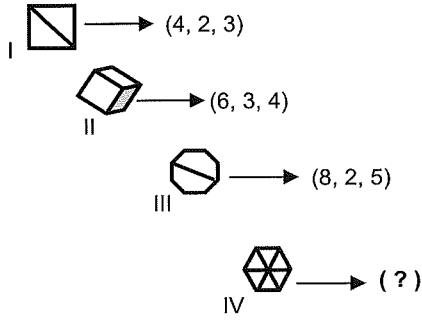
10.



- A) 25
B) 60
C) 71
D) 82
E) 93

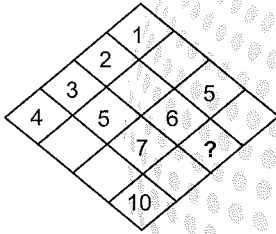


11.



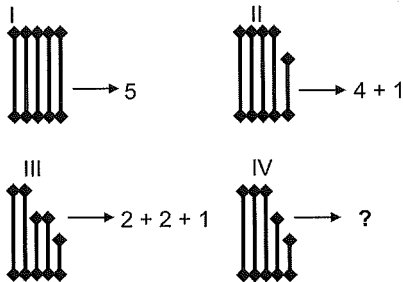
- A) 6, 6, 3 B) 8, 5, 4 C) 6, 3, 6
D) 8, 4, 3 E) 6, 2, 2

12.



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

13.



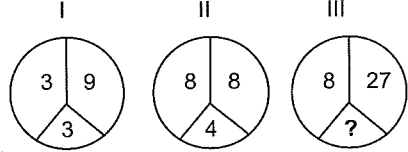
- A) 4 + 1 B) 1 + 1 + 1 + 2 C) 2 + 1 + 1 + 1
D) 3 + 2 E) 3 + 1 + 1

14.

7	5	17	8
14	10	4	12
17	5	14	?

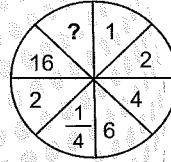
- A) 6 B) 8 C) 9 D) 15 E) 17

15.



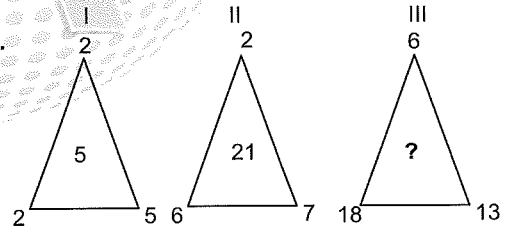
- A) 4 B) 5 C) 6 D) 7 E) 8

16.



- A) 24 B) 32 C) 36 D) 44 E) 54

17.



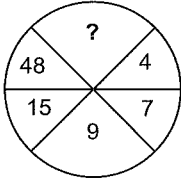
- A) 12 B) 23 C) 26 D) 34 E) 39

Cevap Anahtarı – Answer Sheet

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

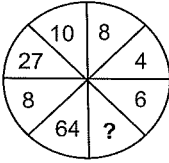


1.



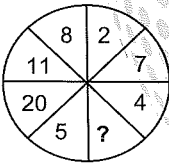
- A) 72 B) 80 C) 81 D) 84 E) 96

2.



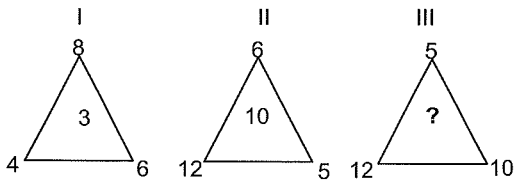
- A) 25 B) 50 C) 100 D) 125 E) 1000

3.



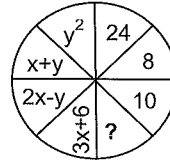
- A) 3 B) 24 C) 25 D) 26 E) 27

4.



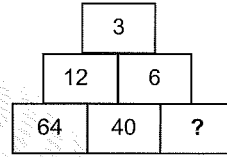
- A) 24 B) 25 C) 26 D) 27 E) 28

5.



- A) 9 B) 16 C) 25 D) 36 E) 64

6.



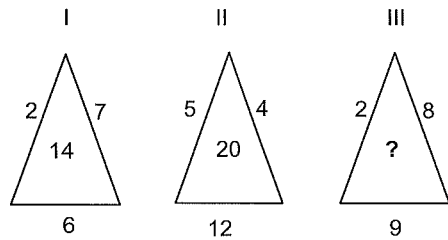
- A) 28 B) 29 C) 30 D) 31 E) 32

7.



- A) 12 B) 15 C) 20 D) 22 E) 29

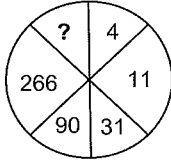
8.



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

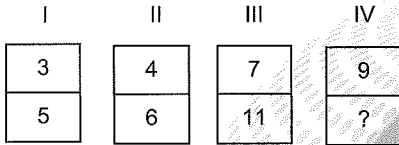


9.



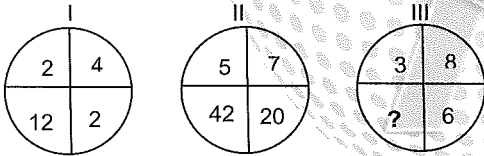
- A) 260 B) 785 C) 793 D) 840 E) 942

10.



- A) 11 B) 12 C) 14 D) 15 E) 17

11.



- A) 24 B) 48 C) 56 D) 64 E) 68

12.

2	4	7	6	3	?
	5	10	12	8	6

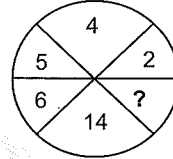
- A) 2 B) 4 C) 5 D) 8 E) 12

13.

2	3	7	13
3	7	6	27
2	9	5	23
4	2	1	?

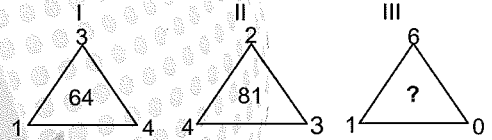
- A) 2 B) 3 C) 4 D) 7 E) 9

14.



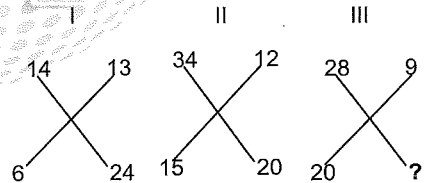
- A) 12 B) 14 C) 16 D) 18 E) 19

15.



- A) 25 B) 36 C) 49 D) 56 E) 40

16.



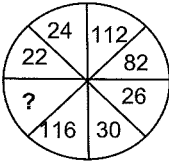
- A) 19 B) 22 C) 28 D) 30 E) 36

Cevap Anahtarı – Answer Sheet

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



1.



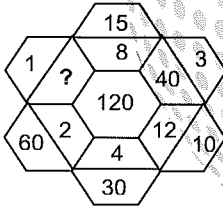
- A) 76 B) 90 C) 92 D) 98 E) 102

2.

8	3	5	23
2	4	3	14
1	2	1	3
2	3	?	2

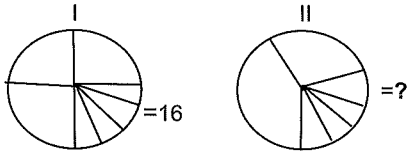
- A) 0 B) 1 C) 2 D) 3 E) 4

3.



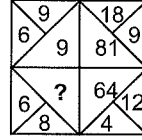
- A) 45 B) 60 C) 90 D) 120 E) 180

4.



- A) 12 B) 14 C) 15 D) 18 E) 24

5.



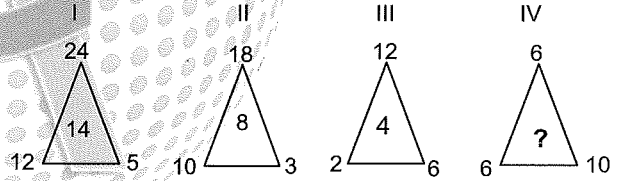
- A) 1 B) 4 C) 9 D) 16 E) 36

6.

I	II	III	IV
3	4	9	?
5	8	23	?

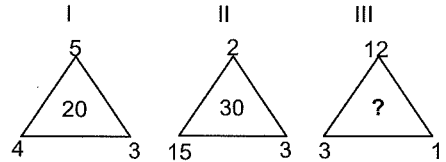
- A) $\frac{6}{14}$ B) $\frac{7}{16}$ C) $\frac{8}{21}$ D) $\frac{5}{12}$ E) $\frac{2}{0}$

7.



- A) 13 B) 11 C) 9 D) 8 E) 7

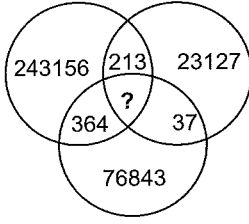
8.



- A) 12 B) 14 C) 15 D) 16 E) 17

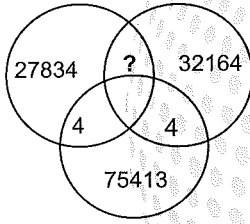


9.



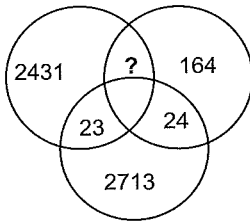
- A) 3 B) 7 C) 12 D) 23 E) 36

10.



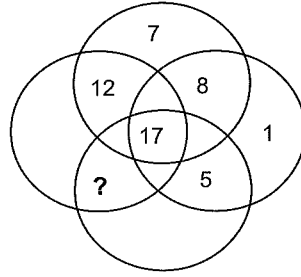
- A) 2 B) 5 C) 8 D) 9 E) 12

11.



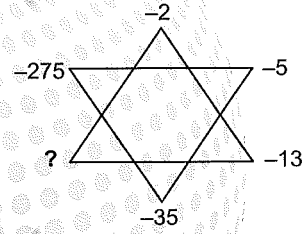
- A) 11 B) 20 C) 21 D) 22 E) 26

12.



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

13.



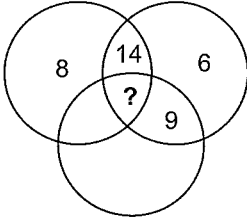
- A) -70 B) -74 C) -81 D) -95 E) -97

Cevap Anahtarı – Answer Sheet

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

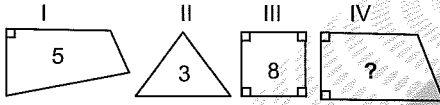


1.



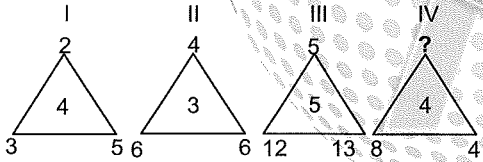
- A) 11 B) 12 C) 15 D) 17 E) 21

2.



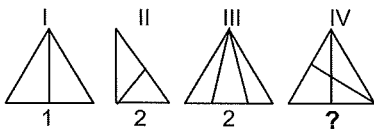
- A) 7 B) 6 C) 5 D) 4 E) 2

3.



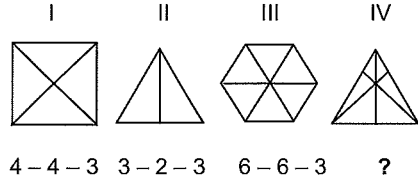
- A) 1 B) 2 C) 3 D) 4 E) 5

4.



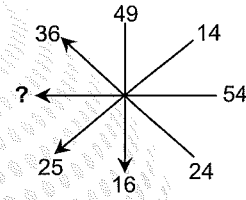
- A) 1 B) 2 C) 3 D) 4 E) 5

5.



- A) 3-4-6 B) 3-6-3 C) 6-3-4
D) 3-6-4 D) 4-6-3

6.



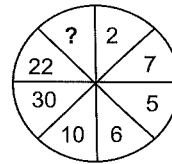
- A) 64 B) 72 C) 81 D) 99 E) 121

7.

I	II	III	IV	V
25	4	16	1	?
7	4	6	3	?

- A) 36-9 B) 49-8 C) 9-5
D) 81/7 E) 100-11

8.



- A) 22 B) 24 C) 25 D) 26 E) 44



9. I II III
- 7 6 14 21
- 4 6 8 12
- 9 8 ? 36
- A) 9 B) 12 C) 18 D) 24 E) 32

10. I II III IV
- 2 3 4 5
- 90 210 ? 600
- A) 344 B) 366 C) 372 D) 380 E) 994

11. I II III IV
- 3 5 2 ?
- 3 6 7 18 1 3 9 7
- A) 3 B) 4 C) 5 D) 6 E) 7

- 12.
- 245 3 617
- ? 1
- 816
- A) 1 B) 2 C) 3 D) 4 E) 5

13. I II III
- 10 14 ?
- 5 6 7 6 9 8
- A) 6 B) 8 C) 9 D) 12 E) 24

14. I II III
- 5 4 18 2
- 6 7 ? 17
- 4 8 20 12
- A) 20 B) 22 C) 24 D) 25 E) 35

15. I II
- 12 8
- 35 30 25 13 ?
- 18 9
- A) 18 B) 13 C) 12 D) 11 E) 10

- 16.
- 42 7 14
- 21 16
- A) 46 B) 47 C) 48 D) 49 E) 52

Cevap Anahtarı – Answer Sheet

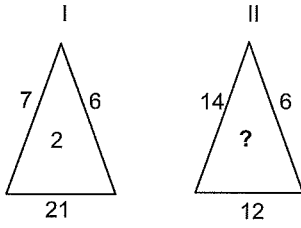
1.D	2.B	3.C	4.C	5.B	6.C
7.C	8.D	9.D	10.D	11.B	12.D
13.E	14.D	15.A	16.C		



SAYISAL İLİŞKİLER

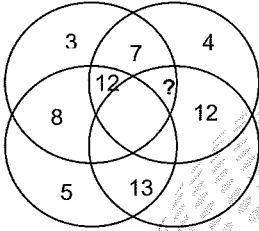
TEST – 8

1.



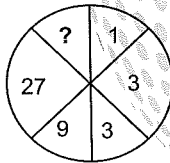
- A) 4 B) 6 C) 7 D) 8 E) 10

2.



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

3.



- A) 224 B) 225 C) 241 D) 243 E) 246

4.

X	Y	Z
13	120	86
16	147	107
8	75	51
18	A	B

A + B = ?

- A) 147 B) 193 C) 224 D) 276 E) 286

5.

84	80
85	82
87	86
94	89
88	?

- A) 83 B) 85 C) 88 D) 92 E) 95

6.

78	57
64	40
83	67
96	?

- A) 58 B) 69 C) 72 D) 87 E) 90

7.

480	492	507	519
294	705	915	?

- A) 870 B) 534 C) 485

- D) 435 E) 354

8.

91	82
76	85
83	73
41	?

- A) 17 B) 22 C) 37 D) 48 E) 82



9. 4197
516
67
?

A) 137 B) 13 C) 7 D) 6 E) 76

10. 4198 8419 1849 9148
2793 3279 7329 ?

A) 2973 B) 9273 C) 3729
D) 9723 E) 7293

11. Aşağıdaki sorularda verilen şekil matrisinde soru işaretinin yerine hangi sayının getirilmesi gerektiğini bulunuz.

Find the number which the question mark stands for in the figure matrix given.

A ₄ W	B ₃ Y	C ₁ X	A ₂ X
C ₄ Y	A ₁ Y	D ₃ X	A ₃ Z
C ₂ Z	D ₄ Z	C ₃ W	B ₁ W
?	B ₄ X	D ₁ Y	B ₂ Z

A) D₂W B) C₃W C) A₃Y
D) B₁Z E) C₄W

- 12.

	○	□	△	△□
△○	○	—	—	△
△△	—	—	△	△
□△	—	□	—	△□
○□△	○	?	—	△□

A) ○ B) □ C) △□ D) △ E) ○□

- 13.

	3	8	7	1
16	13	—	9	—
12	9	4	?	11
15	—	7	8	—
10	7	—	—	9

A) 6 B) 5 C) 4 D) 19 E) 7

- 14.

	2	4	5
7	11	23	32
8	12	24	33
11	15	?	36

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

- 15.

61	10	17
25	4	7
46	16	?

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

- 16.

36	54	?
11	17	26
3	5	8

A) 48 B) 62 C) 64 D) 76 E) 81

Cevap Anahtarı – Answer Sheet

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



1.

8	17	15
4	9	7
2	5	?

A) 8 B) 7 C) 6 D) 4 E) 3

2.

5	4	15
?	8	6
9	12	3

A) 7 B) 10 C) 11 D) 13 E) 14

3.

$$\frac{N}{K \times L} = ?$$

125	5	25	75
27	3	9	27
8	K	L	12
64	4	16	N

A) 0,25 B) 0,5 C) 0,75 D) 1 E) 6

4.

8	5	3	A
5	B	2	C
9	2	7	49
7	1	6	36

$$B \times C - A = ?$$

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

5.

$$A = ?$$

8	2	3	12
6	9	6	4
2	4	10	5
4	A	7	14

A) 2 B) 4 C) 8 D) 12 E) 15

6.

$$\frac{A}{B} = ?$$

9	82	41	56
3	10	5	20
7	50	A	40
B	26	13	28

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

7.

$$A - B = ?$$

3	5	5
3	B	4
5	3	2
14	33	A

A) 9 B) 11 C) 13 D) 16 E) 18

8.

12	16	9
9	10	5
6	12	?

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



9.

6	8	9
27	54	72
45	70	?

A) 78 B) 81 C) 84 D) 90 E) 92

10.

6	4	2
2	3	7
4	5	?

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

11.

6	4	21
16	9	46
A	12	B

B – A = ?

A) 22 B) 27 C) 32 D) 39 E) 60

12.

61	15	?
41	10	21
25	6	13

A) 25 B) 26 C) 27 D) 28 E) 31

13.

48	8	64
75	12	99
36	6	?

A) 109 B) 73 C) 48 D) 24 E) 16

14.

45	80	30
61	112	46
33	56	?

A) 13 B) 18 C) 23 D) 36 E) 89

15.

5	4	6
25	20	30
95	?	114

A) 108 B) 92 C) 88 D) 76 E) 72

16.

6	12	22
14	12	14
20	16	?

A) 9 B) 8 C) 7 D) 5 E) 4

Cevap Anahtarı – Answer Sheet

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



1.

3	2	3
8	9	?
91	89	148

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

2.

1	1	3
4	16	?
7	49	57

A) 12 B) 20 C) 21 D) 36 E) 63

3.

9	6	1
36	12	?
144	24	1

A) 24 B) 18 C) 6 D) 3 E) 1

4.

3	?	4
6	7	10
15	16	26

A) 2 B) 3 C) 4 D) 6 E) 9

5.

2	4	?
3	6	5
9	4	1

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

6.

9	79	88
6	34	40
3	?	10

A) 55 B) 21 C) 15 D) 13 E) 7

7.

6	6	8
5	8	?
9	6	5

A) 10 B) 7 C) 5 D) 4 E) 3

8.

1	3	2
5	1	0
0	2	?

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



9.

5	7	24
9	3	?
6	8	28

- A) 36 B) 32 C) 26 D) 24 E) 12

10.

23	12	22
17	10	14
21	12	?

- A) 12 B) 18 C) 19 D) 22 E) 24

11.

50	20	4
60	25	?
70	30	6

- A) 3 B) 5 C) 8 D) 10 E) 12

12.

27	1	2
64	3	1
216	2	?

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

13.

23	28	5
49	62	13
53	61	?

- A) 20 B) 16 C) 12 D) 8 E) 4

14.

6	2	3
3	5	3
?	4	5

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

15.

$$A + B = ?$$

2	2	4	8
3	5	15	B
6	10	60	600
A	50	900	-

- A) 582 B) 125 C) 100 D) 93 E) 26

16.

$$K - L = ?$$

84	21	14	70
52	13	6	30
116	K	22	110
44	11	4	L

- A) 4 B) 7 C) 9 D) 11 E) 16

Cevap Anahtarı – Answer Sheet

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



SAYISAL İLİŞKİLER

TEST – 11

1. $\frac{M}{S} + T = ?$

T	54	18	90
3	18	6	30
5	30	S	50
15	90	30	M

- A) 6 B) 10 C) 15 D) 18 E) 24

2. $Y + Z = ?$

2	5	10	13
11	9	2	8
9	Y	17	3
8	5	Z	6

- A) 2 B) 12 C) 16 D) 27 E) 40

3. $\frac{B}{C} \times A = ?$

7	48	12	72
3	A	2	B
9	80	20	120
5	24	C	36

- A) 4 B) 16 C) 24 D) 32 E) 36

4. $A + B = ?$

8	11	4	6
4	6	3	A
12	17	7	11
4	5	1	B

- A) 5 B) 6 C) 8 D) 9 E) 10

5. $\frac{K}{L} = ?$

3	4	11	K
8	20	7	1
16	11	6	3
L	1	12	14

- A) 10 B) 9 C) 5 D) 3 E) 2

6. $\frac{C \times B}{A} = ?$

75	50	25	5
15	A	5	1
30	20	10	B
45	30	C	3

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

7.

2	8	?	10
7	3	11	4
12	6	5	2
4	8	4	?

- A) 6 - 8 B) 7 - 7 C) 5 - 9
D) 4 - 10 E) 8 - 6

8. $\frac{A + B + 17}{C} = ?$

81	A	40	32
49	6	30	24
64	7	B	28
36	5	25	C

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



9.

$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{2}{4}$
$\frac{2}{4}$	$\frac{1}{5}$	$\frac{7}{10}$	$\frac{3}{5}$
$\frac{3}{4}$	$\frac{1}{2}$	?	$\frac{6}{10}$
$\frac{1}{2}$	$\frac{4}{5}$	$\frac{2}{5}$	$\frac{3}{10}$

- A) $\frac{2}{4}$ B) $\frac{2}{5}$ C) $\frac{3}{10}$ D) $\frac{3}{20}$ E) $\frac{4}{5}$

10.

6	12	3	16
9	?	8	13
14	11	10	2
8	7	?	6

- A) 8 - 15 B) 9 - 14 C) 10 - 13
D) 7 - 16 E) 6 - 17

11.

2	55	9
4	35	3
4	?	2

- A) 12 B) 15 C) 30 D) 90 E) 120

12.

19	10	16
23	5	?
29	12	4

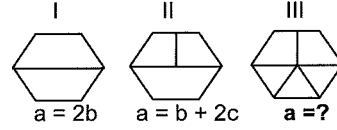
- A) 17 B) 12 C) 6 D) 4 E) 1

13.

90	40	15
30	10	0
46	18	?

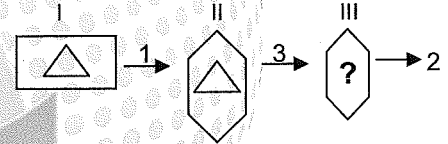
- A) 3 B) 4 C) 6 D) 7 E) 9

14.



- A) $2c + 3d$ B) $b + c + d$ C) $2b + c + d$
D) $2c + 4d$ E) $2b + 2c$

15.



- A) B) C) D) E)

16.

19	18	16	13	?	4	-2
2	5	9	14	?	27	35

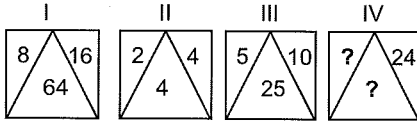
- A) 5 - 21 B) 12 - 12 C) 9 - 16
D) 9 - 20 E) 7 - 20

Cevap Anahtarı – Answer Sheet

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

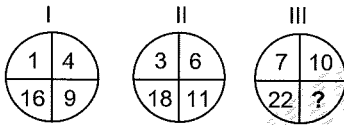


1.



- A) 12 – 120 B) 12 – 111 C) 9 – 120
D) 12 – 144 E) 12 – 120

2.



- A) 5 B) 7 C) 10 D) 13 E) 15

3.



- A) 14 – 6 B) 18 – 3 C) 6 – 2
D) 24 – 6 E) 4 – 1

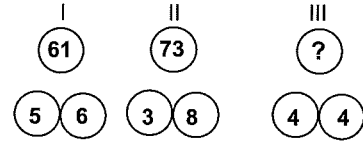
4.

?		25
	22	?
19	?	24

Yanda verilen sayı matrisindeki soru işaretli yerlere, aşağıda verilen hangi seçenekteki sayılar getirilirse dizi soldan sağa, yukarıdan aşağı ve köşeden köşeye toplamaları 66 yapar?

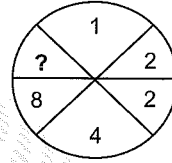
- A) 20/23/21 B) 20/17/23 C) 17/22/23
D) 19/18/17 E) 22/24/27

5.



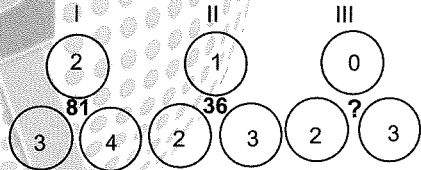
- A) 25 B) 49 C) 23 D) 29 E) 32

6.



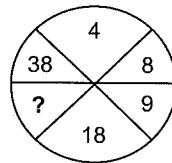
- A) 12 B) 17 C) 20 D) 29 E) 32

7.



- A) 10 B) 16 C) 20 D) 25 E) 49

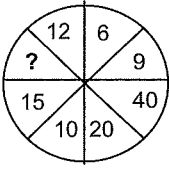
8.



- A) 17
B) 18
C) 19
D) 20
E) 29

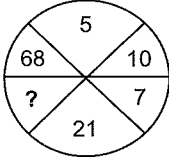


9.



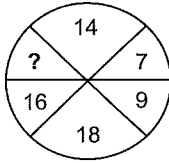
- A) 2
B) 13
C) 16
D) 24
E) 30

10.



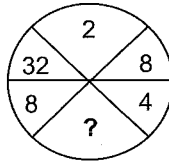
- A) 27
B) 17
C) 9
D) 7
E) 3

11.



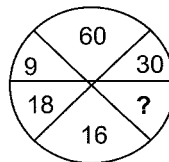
- A) 8
B) 10
C) 14
D) 22
E) 28

12.



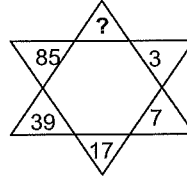
- A) 6
B) 12
C) 16
D) 18
E) 24

13.



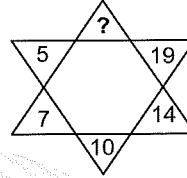
- A) 22
B) 28
C) 30
D) 32
E) 38

14.



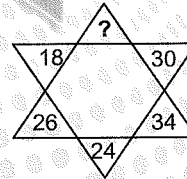
- A) 176
B) 178
C) 179
D) 180
E) 186

15.



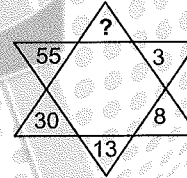
- A) 28
B) 25
C) 22
D) 20
E) 18

16.



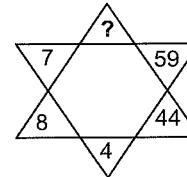
- A) 42
B) 40
C) 38
D) 36
E) 34

17.



- A) 2
B) 110
C) 112
D) 126
E) 132

18.



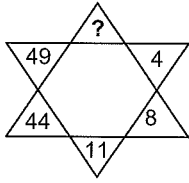
- A) 1
B) 2
C) 3
D) 8
E) 10

Cevap Anahtarı – Answer Sheet

1.D	2.E	3.A	4.B	5.E	6.E
7.D	8.C	9.D	10.B	11.A	12.C
13.D	14.C	15.B	16.A	17.A	18.C

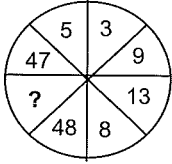


1.



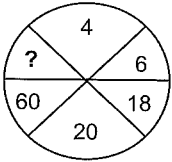
- A) 2
B) 3
C) 284
D) 292
E) 296

2.



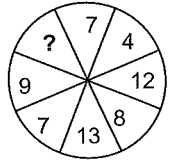
- A) 42
B) 55
C) 56
D) 58
E) 60

3.



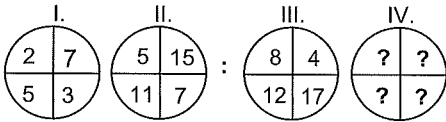
- A) 36
B) 42
C) 46
D) 52
E) 62

4.



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

5.



- A)

11	12
18	21

 B)

12	4
29	5

 C)

17	9
25	35

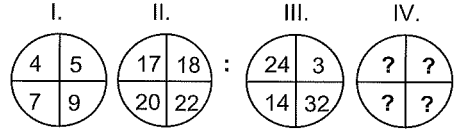
D)

24	12
58	79

 E)

9	16
29	5

6.



- A)

29	9
7	16

 B)

29	27
46	16

 C)

29	6
12	18

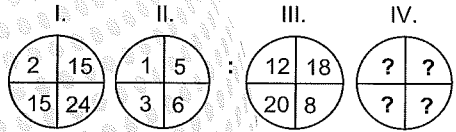
D)

29	8
19	37

 E)

29	8
11	11

7.



- A)

4	4
4	4

 B)

4	5
5	4

 C)

6	6
4	2

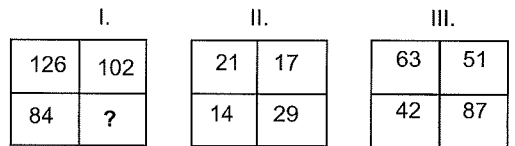
D)

3	6
5	4

 E)

3	4
6	4

8.



- A) 116 B) 145 C) 164
D) 174 E) 188



9.

I.	II.								
<table><tr><td>12</td><td>19</td></tr><tr><td>39</td><td>28</td></tr></table>	12	19	39	28	<table><tr><td>?</td><td>41</td></tr><tr><td>81</td><td>60</td></tr></table>	?	41	81	60
12	19								
39	28								
?	41								
81	60								

A) 24 B) 25 C) 26 D) 27 E) 29

10.

I.	II.								
<table><tr><td>128</td><td>49</td></tr><tr><td>16</td><td>32</td></tr></table>	128	49	16	32	<table><tr><td>121</td><td>169</td></tr><tr><td>?</td><td>25</td></tr></table>	121	169	?	25
128	49								
16	32								
121	169								
?	25								

A) 36 B) 49 C) 81 D) 111 E) 144

11.

1	3	9	8	16	7	?
	4	12	17	24	23	?

A) 22 - 29 B) 16 - 22 C) 32 - 38
D) 30 - 36 E) 14 - 22

12.

6	8	14	16	26	30	?
9	12	21	24	39	45	?

A) 18 - 28 B) 42 - 60 C) 26 - 34
D) 40 - 60 E) 10 - 20

13.

5	9	14	23	37	60	?
4	7	11	18	29	47	?

A) 96 - 77 B) 87 - 76 C) 97 - 66
D) 96 - 66 E) 97 - 76

14.

1	2	4	5	6	7	8	9
4	16	40	60	84	112	?	

A) 116 B) 120 C) 141
D) 144 E) 160

15.

5	2	7	4	9	6	11	9	14
14	18	22	26	30	34	40	?	

A) 23 B) 34 C) 41 D) 46 E) 50

16.

2	3	5	9	17	33	65
1	2	4	8	16	?	

A) 44 B) 40 C) 38 D) 36 E) 32

Cevap Anahtarı – Answer Sheet

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



1.

3	2	4	6	5	8	7	1
13	20	52	61	?	113	50	

A) 89 B) 80 C) 60 D) 40 E) 33

2.

70	74	60	78	50	?	40
72	65	76	55	80	45	84

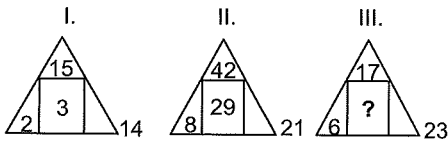
A) 48 B) 82 C) 90 D) 48 E) 70

3.

5	8	7	10	9	12	11	14	?
13		17		21		?		

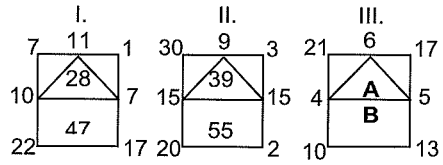
A) $128 - 16 - 25$ B) $152 - 13 - 25$
 C) $182 - 13 - 25$ D) $190 - 13 - 22$
 E) $212 - 25 - 13$

4.



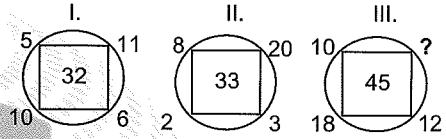
A) 6 B) 34 C) 46 D) 12 E) 0

5.

 $A + B = ?$

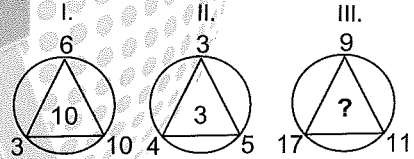
A) 62 B) 71 C) 76 D) 79 E) 82

6.



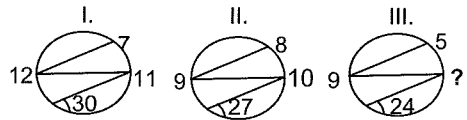
A) 9 B) 8 C) 6 D) 5 E) 4

7.



A) 10 B) 11 C) 12 D) 16 E) 20

8.



A) 5 B) 9 C) 10 D) 14 E) 20



9. I. II. III.
-
- A) 3 B) 8 C) 9 D) 29 E) 52

10. I. II. III.
-
- A) 256 B) 80 C) 24 D) 20 E) 2

11. I. II. III.
-
- A) 156 B) 126 C) 92 D) 63 E) 36

12. I. II. III.
-
- A) 48 B) 56 C) 65 D) 72 E) 81

13. I. II. III.
-
- A) 25 B) 63 C) 49 D) 64 E) 81

14. I. II. III.
-
- A) 92 B) 81 C) 79 D) 68 E) 59

15. I. II. III.
-
- A) 1 B) 2 C) 3 D) 7 E) 9

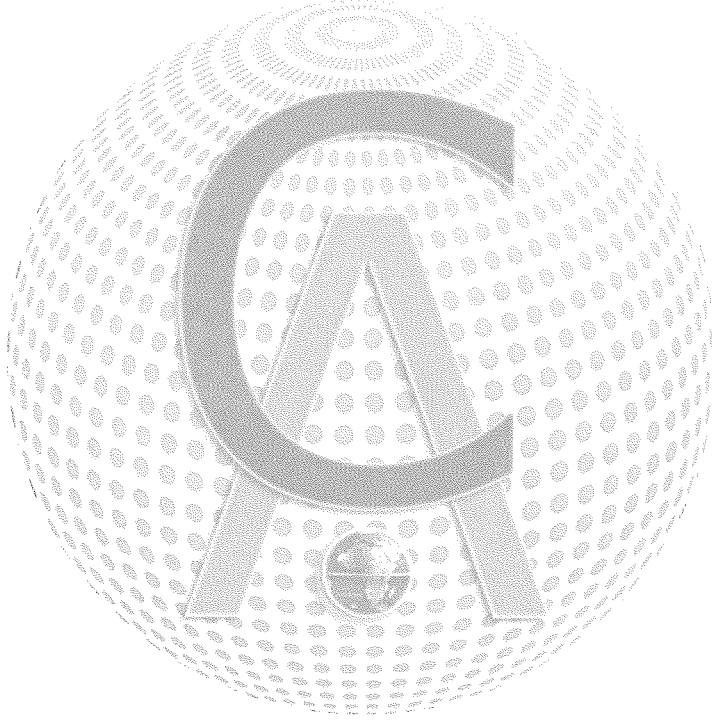
16. I. II. III.
-
- A) 4 B) 8 C) 10 D) 12 E) 16

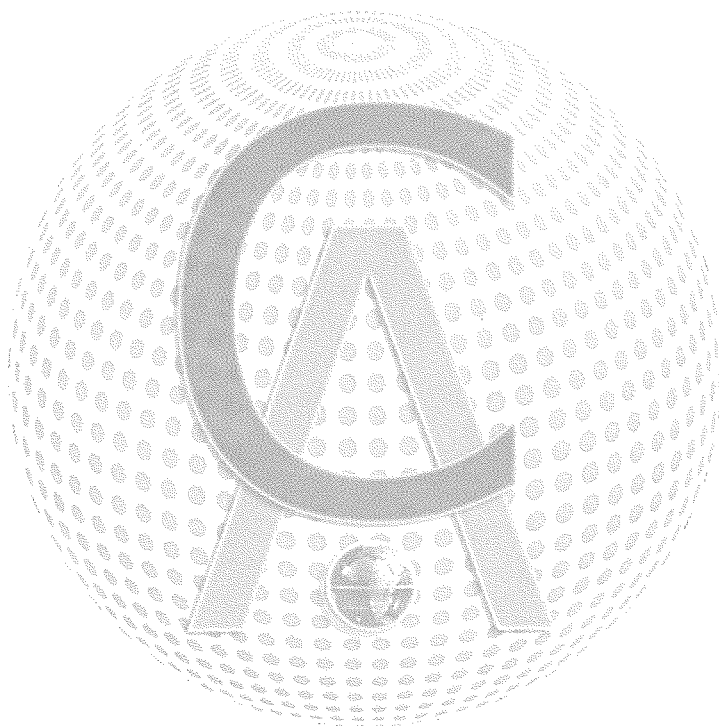
Cevap Anahtarı – Answer Sheet

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

7. BÖLÜM

ŞEKİL MATRİSİ

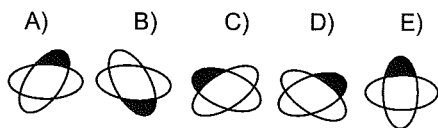
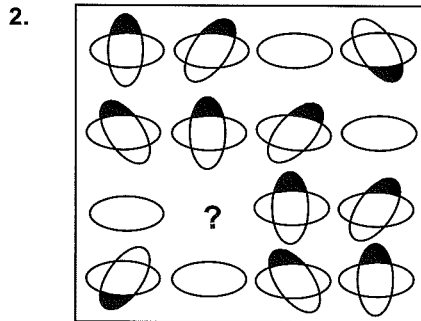
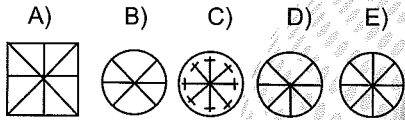
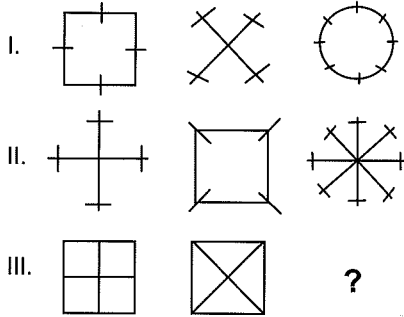




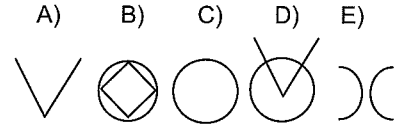
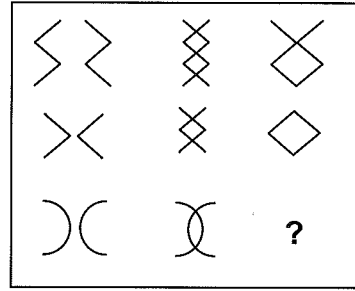


1. Sorularda verilen şekil matrisinde soru işaretinin yerine hangi şeklin getirilmesi gerektiğini bulunuz.

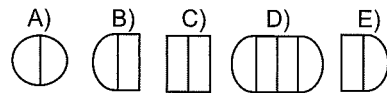
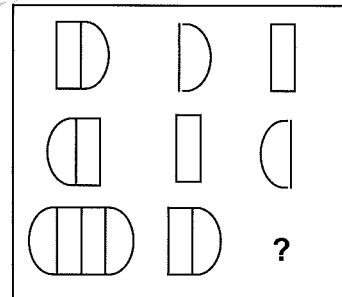
Questions find the figure which the question mark stands for in the figure matrix given.



3.

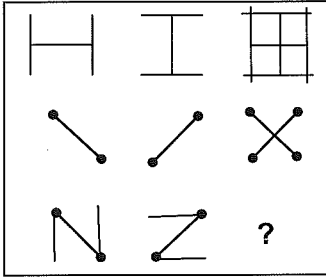


4.

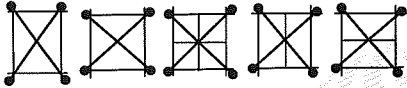




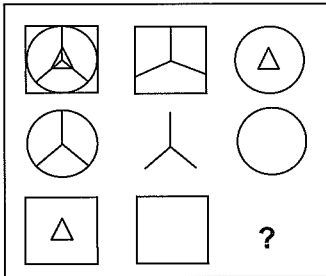
5.



A) B) C) D) E)



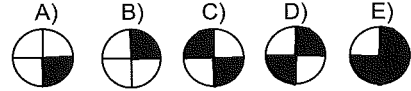
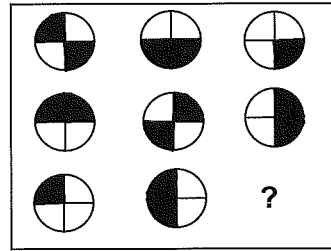
6.



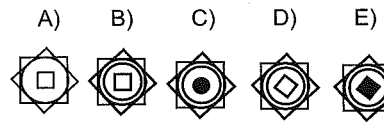
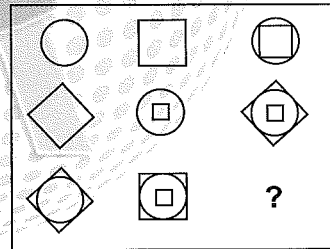
A) B) C) D) E)



7.



8.

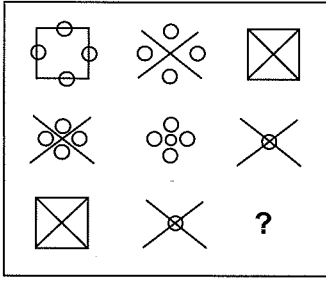


Cevap Anahtarı – Answer Sheet

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

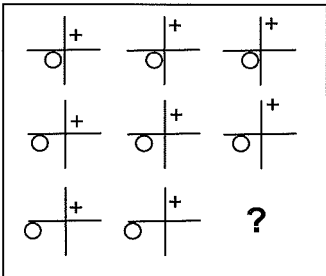


1.



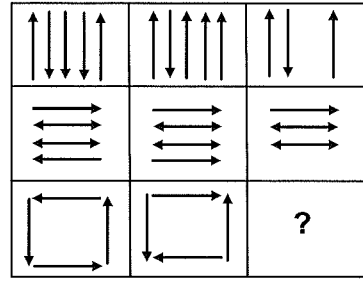
- A) B) C) D) E)

2.



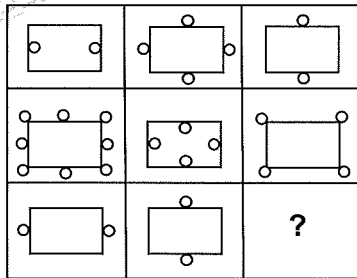
- A) B) C) D) E)

3.



- A) B) C) D) E)

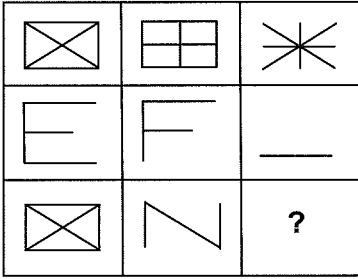
4.



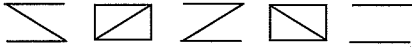
- A) B) C) D) E)



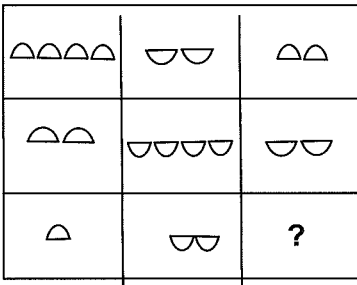
5.



A) B) C) D) E)



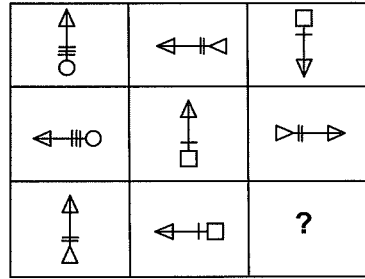
6.



A) B) C) D) E)



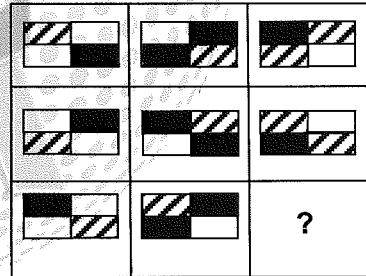
7.



A) B) C) D) E)



8.



A) B) C) D) E)

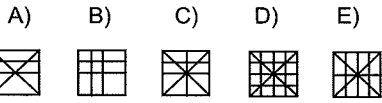
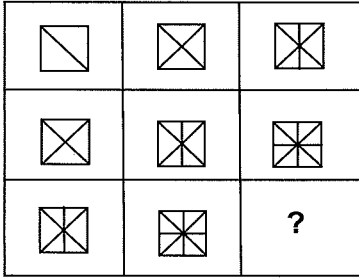


Cevap Anahtarı – Answer Sheet

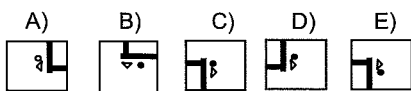
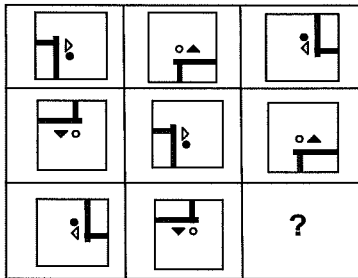
1.C	2.D	3.C	4.E
5.C	6.A	7.E	8.E



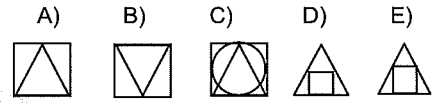
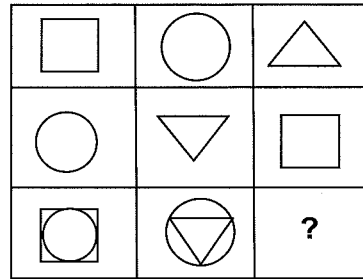
1.



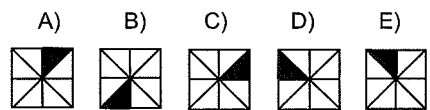
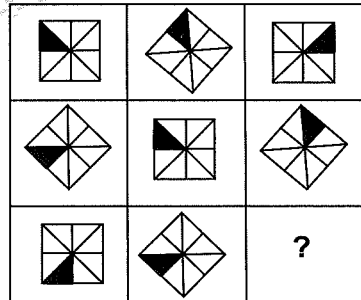
2.



3.

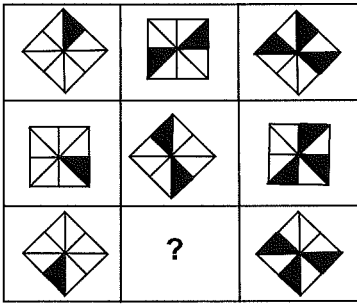


4.

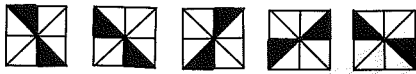




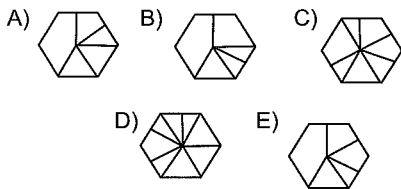
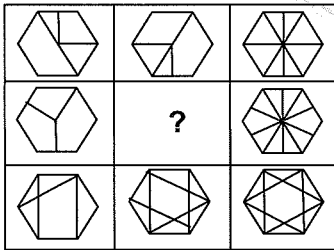
5.



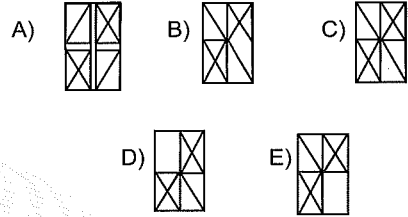
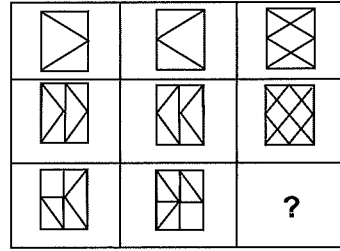
A) B) C) D) E)



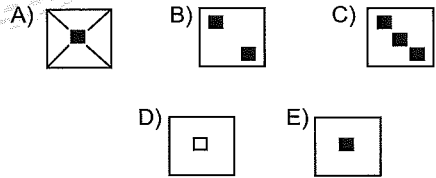
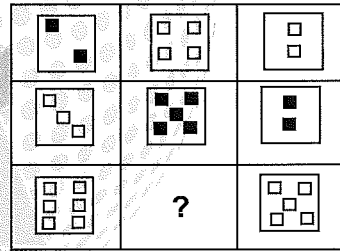
6.



7.



8.

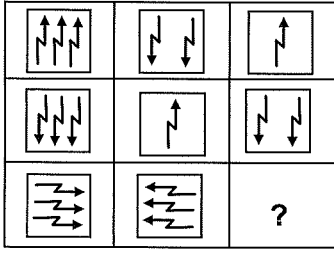


Cevap Anahtarı – Answer Sheet

1.C	2.E	3.D	4.E
5.D	6.C	7.C	8.E

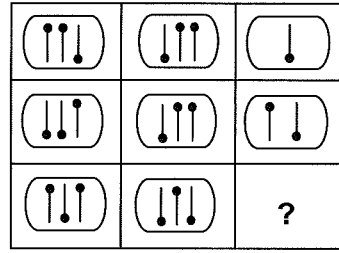


1.



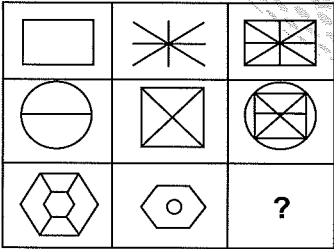
- A)
- B)
- C)
- D)
- E)

3.



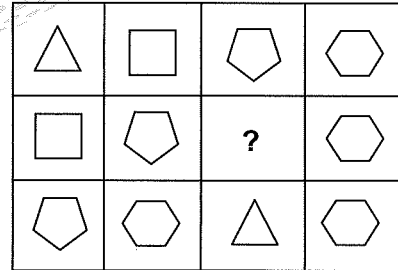
- A)
- B)
- C)
- D)
- E)

2.



- A)
- B)
- C)
- D)
- E)

4.



- A)
- B)
- C)
- D)
- E)



5.

	I.	II.	III.
a			
b			
c			?



7.

		?



8.

I.				
II.				
III.				
IV.				
V.				?



6.

	?	



Cevap Anahtarı – Answer Sheet

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



1. I II SONUÇ

I.	□ □	□ □	□ □
II.	□ ▲	□ □	□ ▲
III.	□ □	▲ □	▲ □
IV.	▲ ▲	▲ □	▲ ▲
V.	□ ▲	□ ▲	□ ▲
VI.	▲ □	?	?

A) ▲ □, □ □

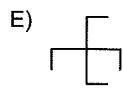
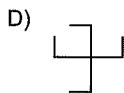
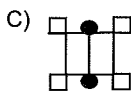
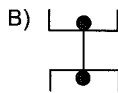
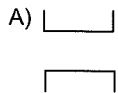
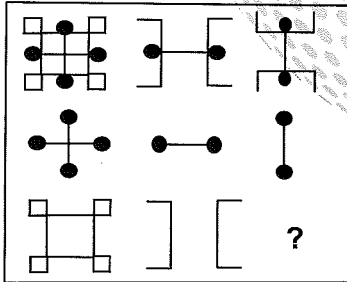
B) □ ▲, ▲ □

C) □ □, □ ▲

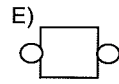
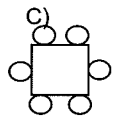
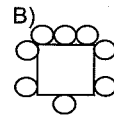
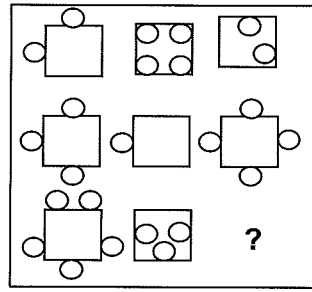
D) □ ▲, ▲ ▲

E) ▲ ▲, □ ▲

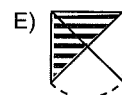
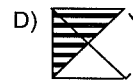
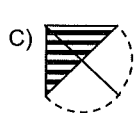
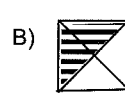
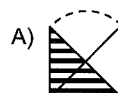
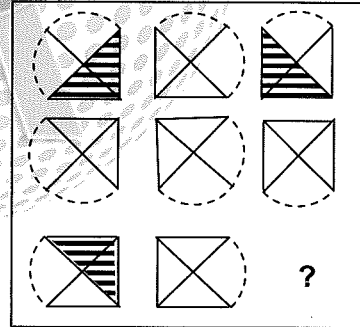
2.



3.

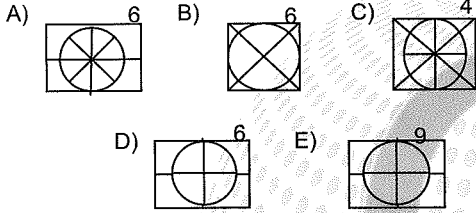
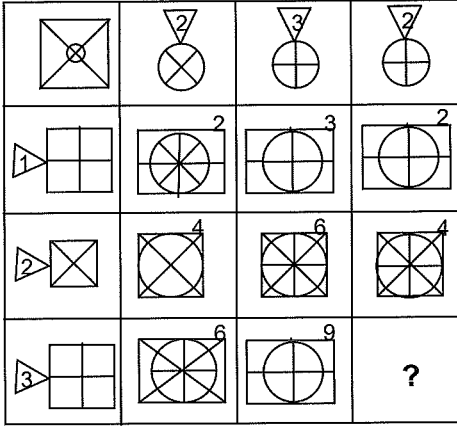


4.

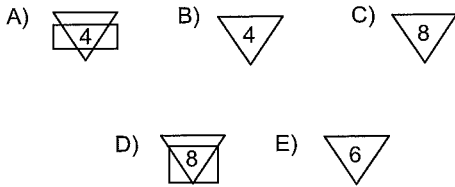
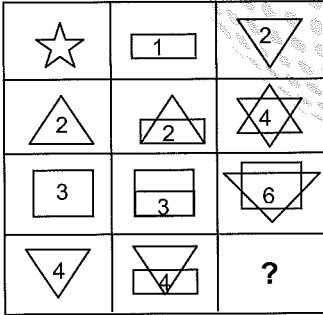




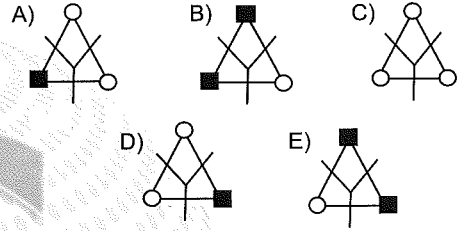
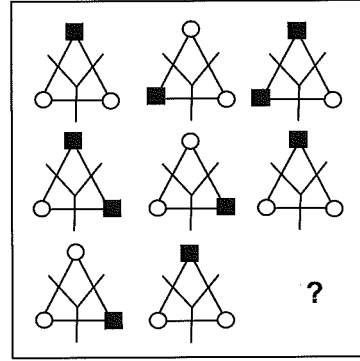
5.



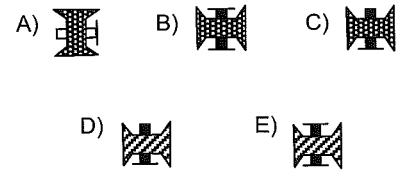
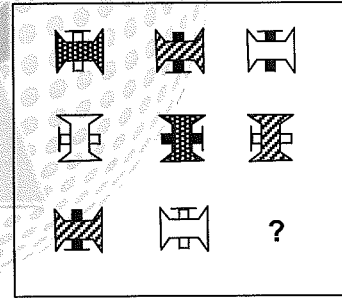
6.



7.



8.

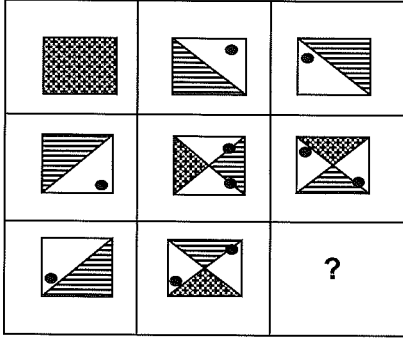


Cevap Anahtarı – Answer Sheet

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

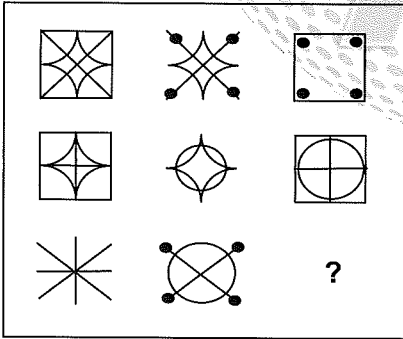


1.



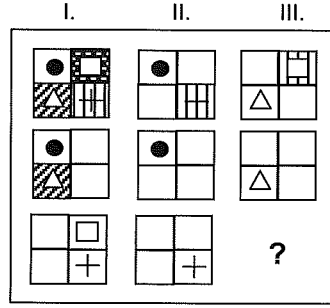
- A) B) C) D) E)

2.



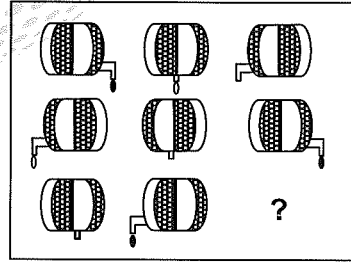
- A) B) C) D) E)

3.



- A) B) C) D) E)

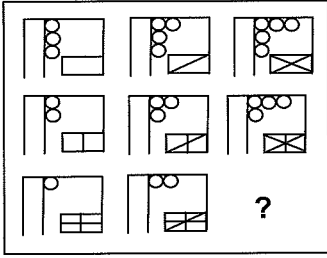
4.



- A) B) C) D) E)

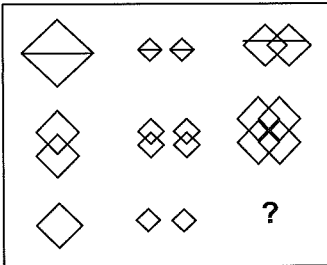


5.



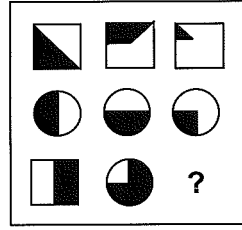
- A) B) C)
D) E)

6.



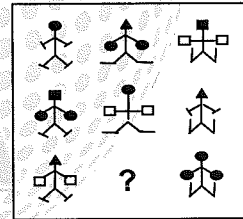
- A) B) C)
D) E)

7.



- A) B) C)
D) E)

8.



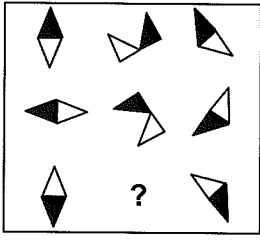
- A) B) C)
D) E)

Cevap Anahtarı – Answer Sheet

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

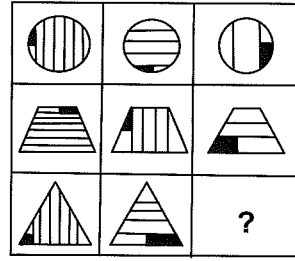


1.



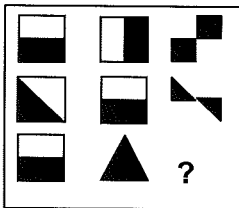
- A) B) C)
D) E)

3.



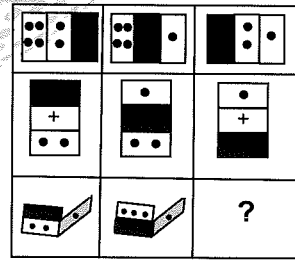
- A) B) C)
D) E)

2.



- A) B) C)
D) E)

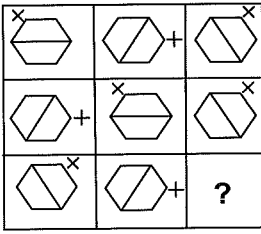
4.



- A) B) C)
D) E)

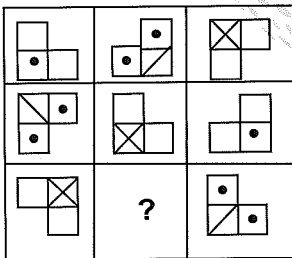


5.



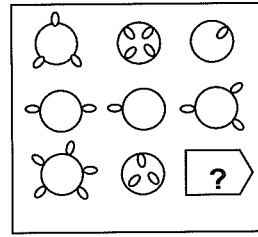
- A) B) C)
D) E)

6.



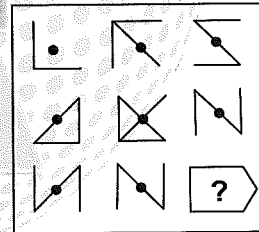
- A) B) C)
D) E)

7.



- A) B) C)
D) E)

8.



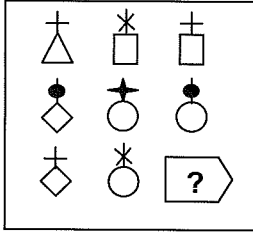
- A) B) C)
D) E)

Cevap Anahtarı – Answer Sheet

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

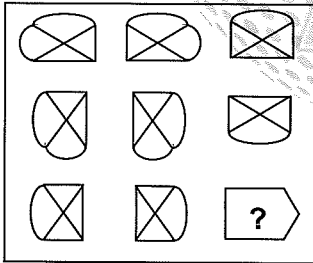


1.



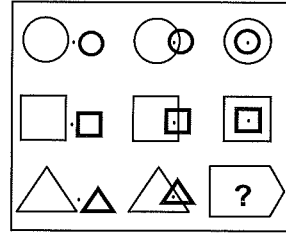
- A) B) C) D) E)

2.



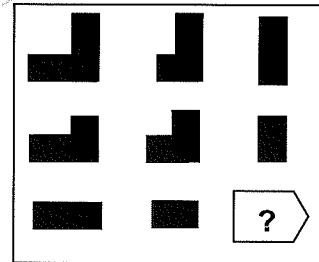
- A) B) C) D) E)

3.



- A) B) C) D) E)

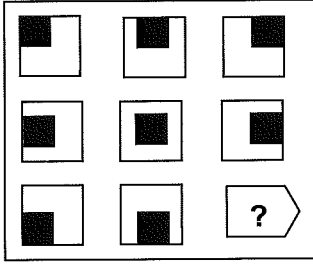
4.



- A) B) C) D) E)

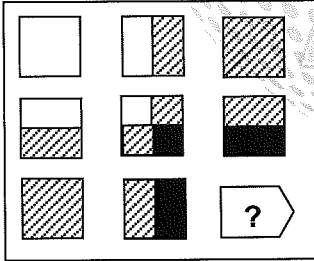


5.



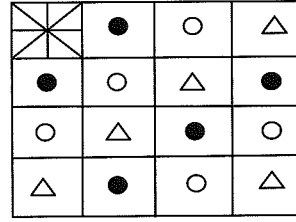
- A) B) C)
D) E)

6.



- A) B) C)
D) E)

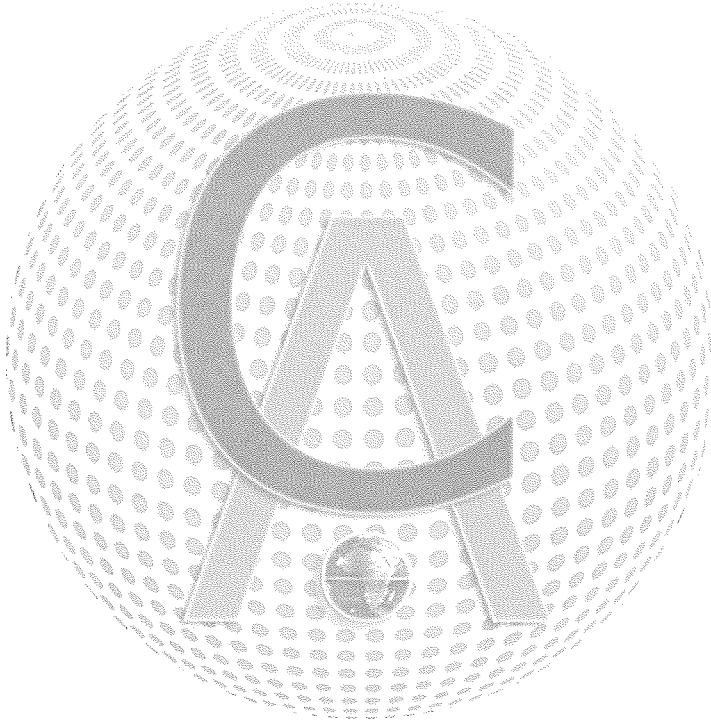
7.

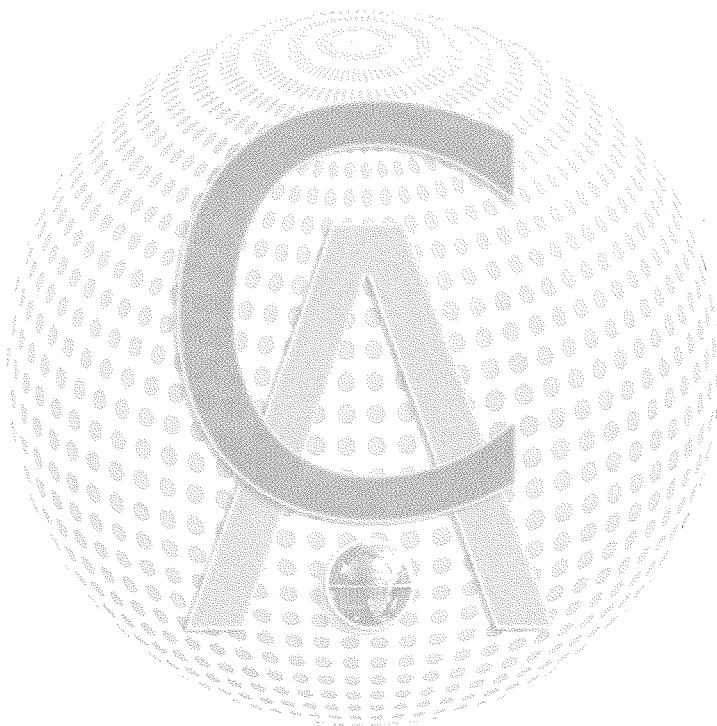


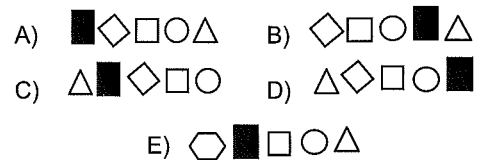
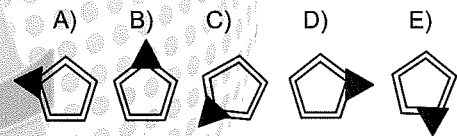
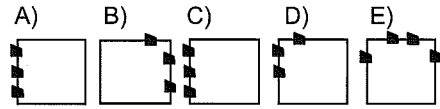
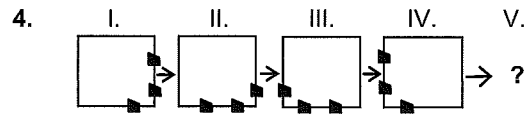
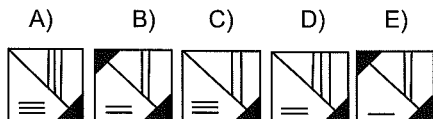
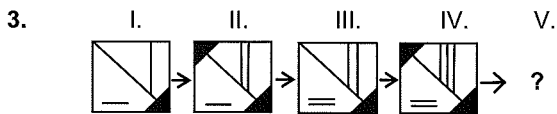
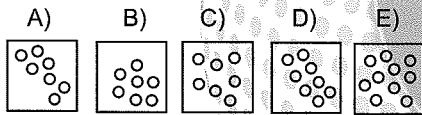
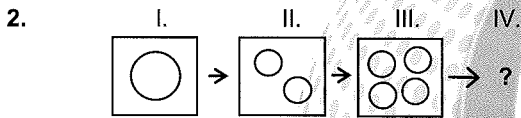
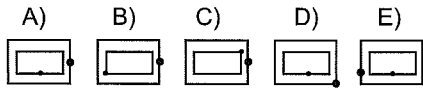
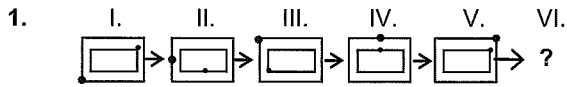
-

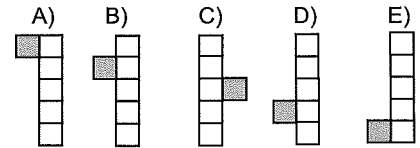
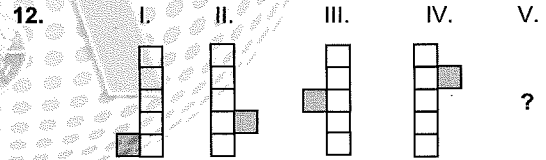
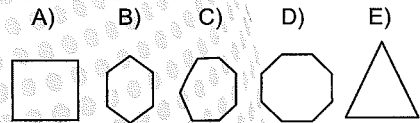
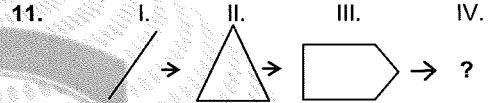
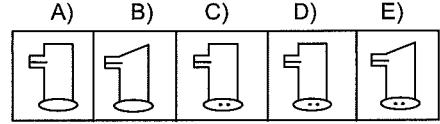
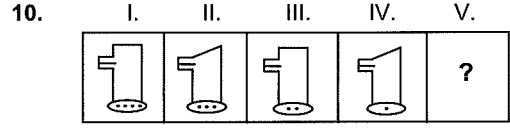
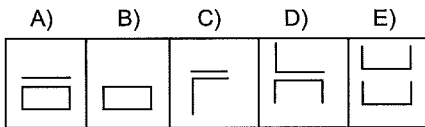
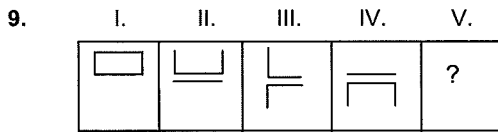
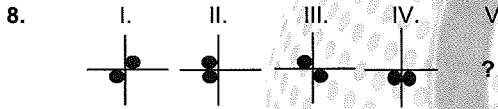
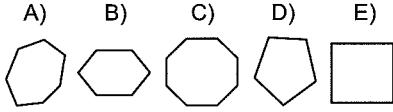
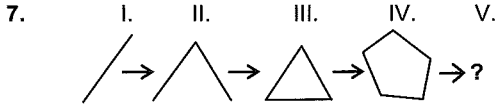
8. BÖLÜM

ŞEKİL DİZİSİ



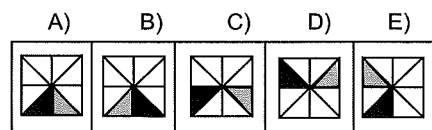
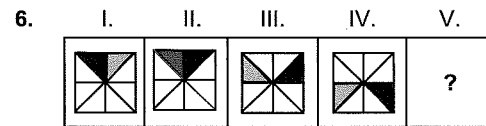
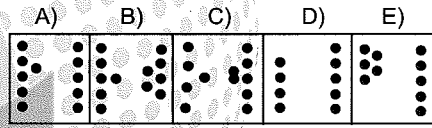
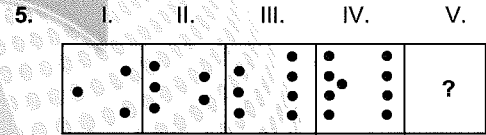
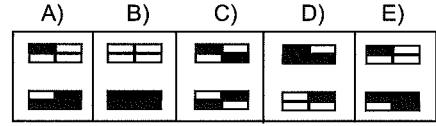
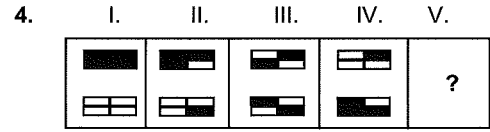
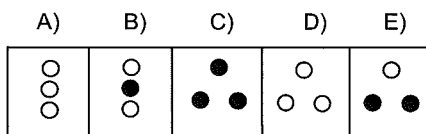
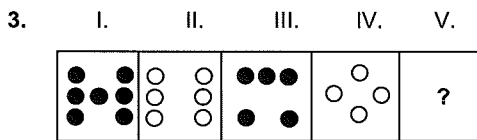
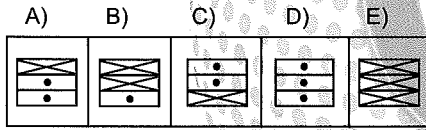
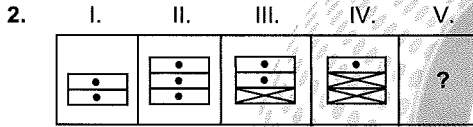
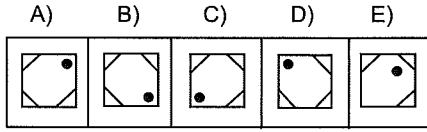
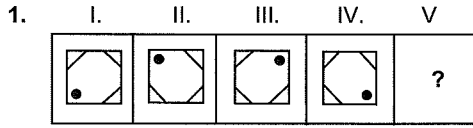


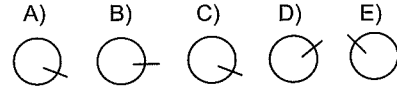
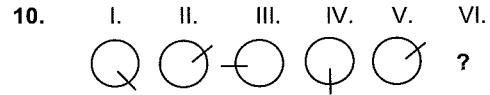
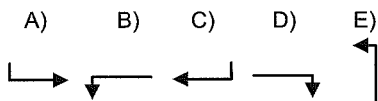
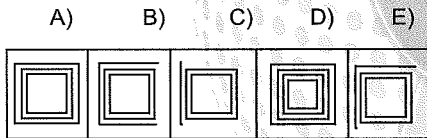
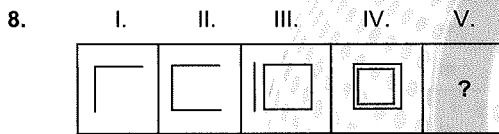
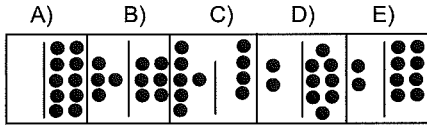
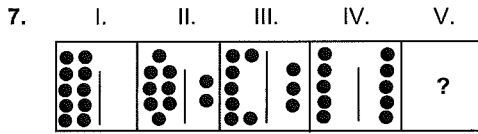




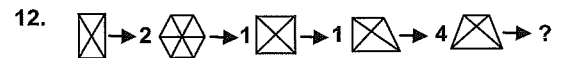
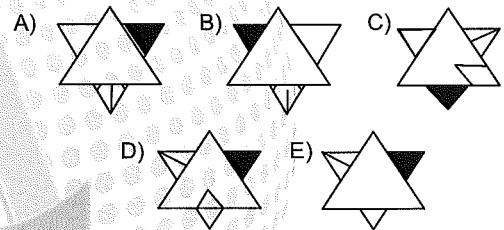
Cevap Anahtarı – Answer Sheet

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





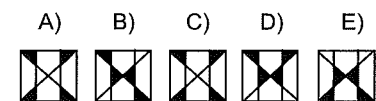
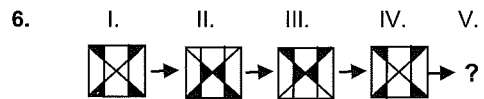
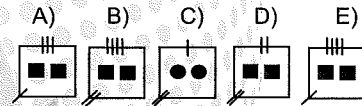
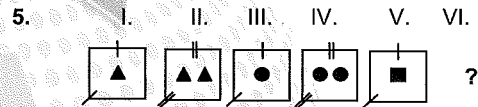
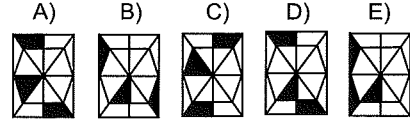
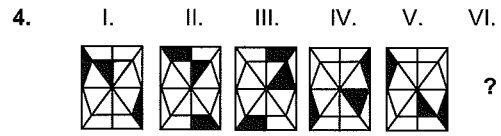
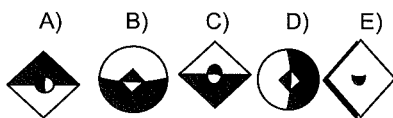
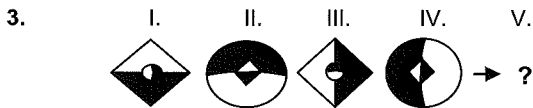
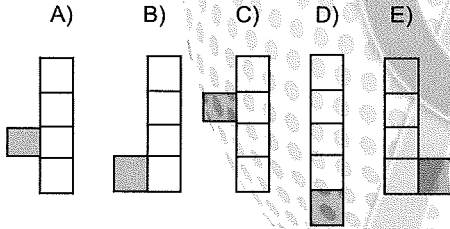
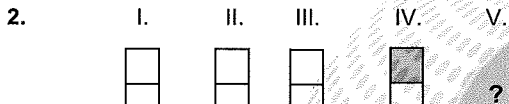
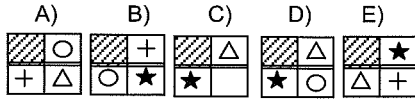
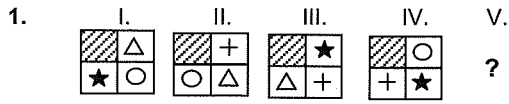
11. I. II. III. IV. V.



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

Cevap Anahtarı – Answer Sheet

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



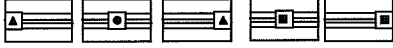


7. I. II. III. IV. V.

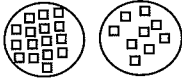


?

A) B) C) D) E)



8. I. II. III. IV. V.



?

A) B) C) D) E)



9. I. II. III. IV. V. VI.

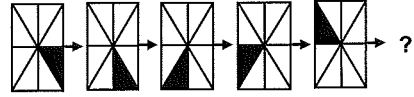


?

A) B) C) D) E)

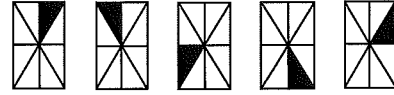


10. I. II. III. IV. V. VI.



?

A) B) C) D) E)

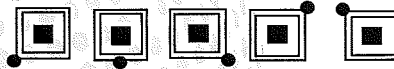


11. I. II. III. IV. V. VI.

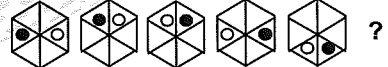


?

A) B) C) D) E)



12. I. II. III. IV. V. VI.



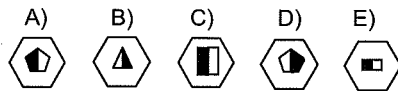
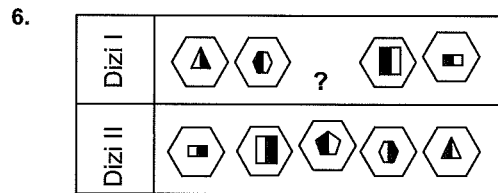
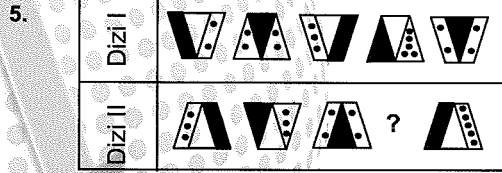
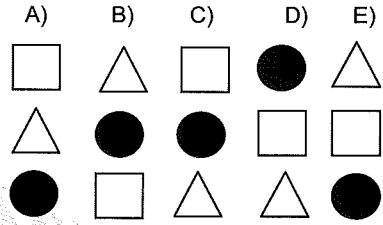
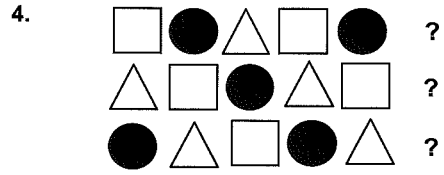
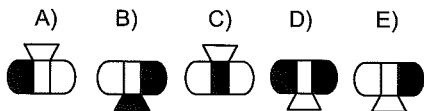
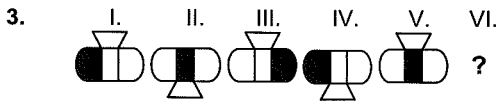
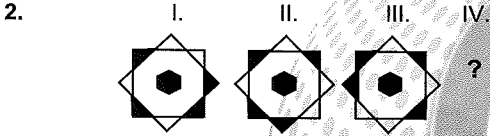
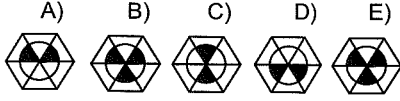
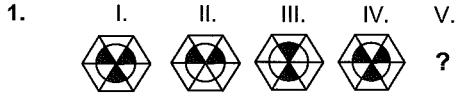
?

A) B) C) D) E)



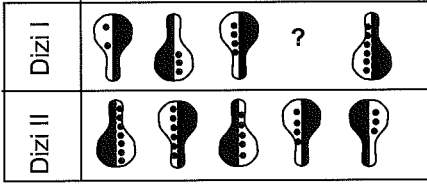
Cevap Anahtarı – Answer Sheet

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





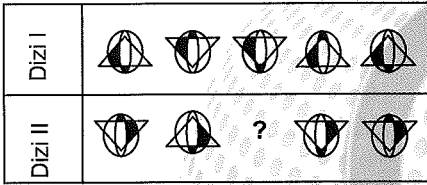
7.



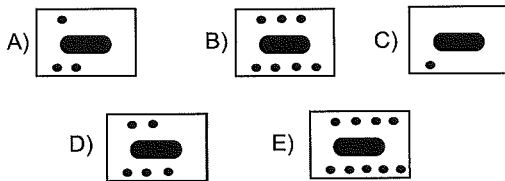
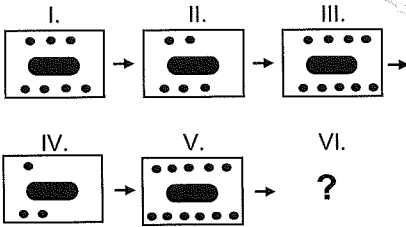
A) B) C) D) E)



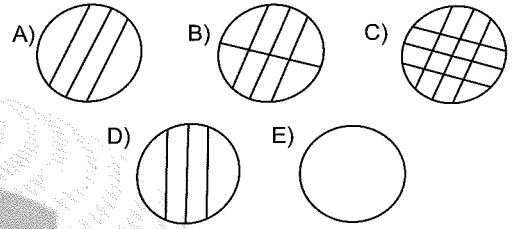
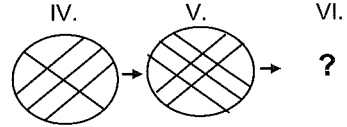
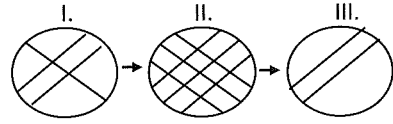
8.



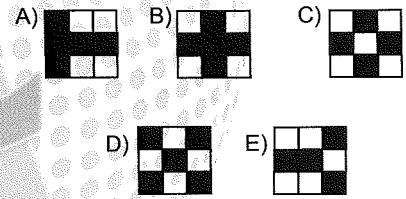
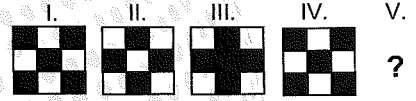
9.



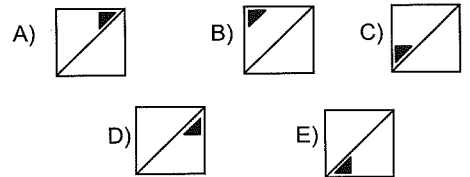
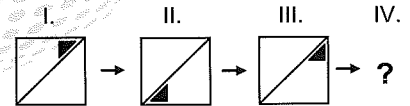
10.



11.



12.

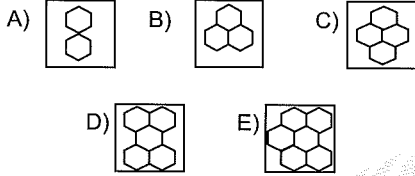
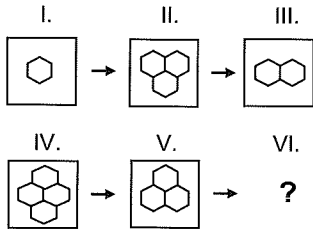


Cevap Anahtarı – Answer Sheet

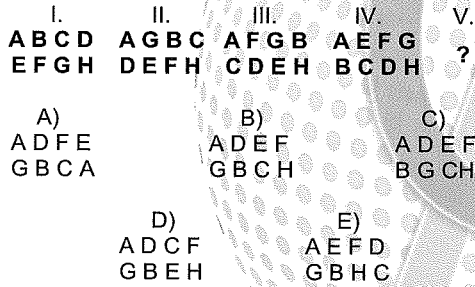
1.A	2.E	3.E	4.B	5.C	6.D
7.E	8.A	9.C	10.A	11.C	12.C



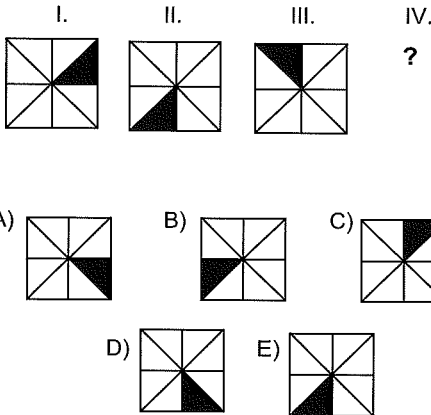
1.



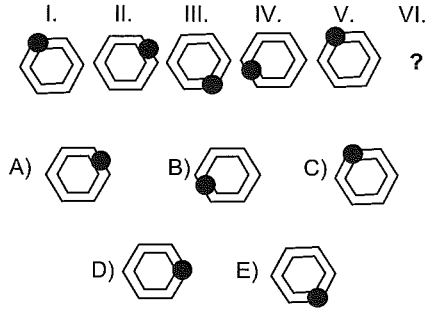
2.



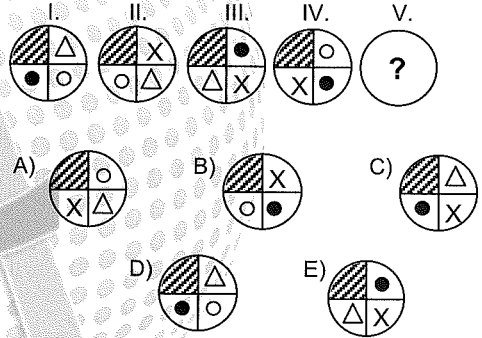
3.



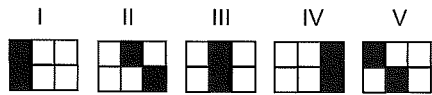
4.



5.



6.



Üstteki şekillerle bir dizi oluşturulmak istense sıralama nasıl olur?

- A) I-V-IV-III-II B) I-V-II-III-IV C) IV-II-III-I-V
D) I-V-III-II-IV E) III-II-IV-V-I



7. I. II. III. IV.
-
- Üstteki şekillerle bir dizi oluşturulmak istense sıralama nasıl olur?

- A) III-IV-I-II B) I-IV-III-II C) III-II-I-IV
D) III-II-IV-I E) III-I-II-IV

8. I. II. III. IV. V.
-
- Yukarıdaki şekiller bir kurala göre dizilecek olursa, hangi iki şeklin yer değiştirmesi gerekir?

- A) IV ile V B) V ile I C) I ile III
D) IV ile III E) II ile IV

9. I. II. III. IV. V.
-
- A) B) C)
D) E)

10. I. II. III. IV. V.
-
- A) B) C)
D) E)

11. I. II. III.
-
- 3 + 4 + 1 3 + 4 + 4 ?
- A) 4 + 3 + 4 B) 4 + 3 + 3 C) 7 + 4
D) 3 + 3 + 0 E) 4 + 4 + 3

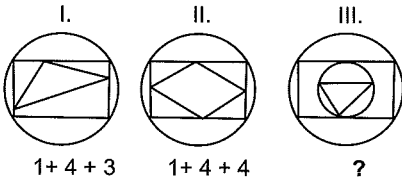
12. I. II. III.
-
- 4 + 3 + 4 4 + 4 + 3 ?
- A) 3 + 3 + 3 B) 4 + 3 + 3 C) 3 + 4 + 3
D) 3 + 3 + 4 E) 4 + 3 + 4

Cevap Anahtarı – Answer Sheet

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

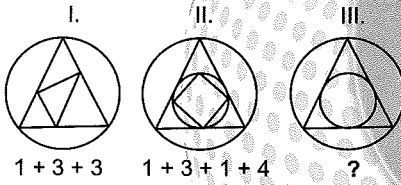


1.



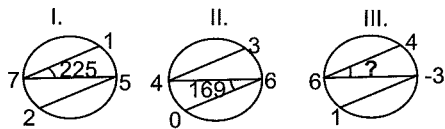
- A) 1+3+4+4 B) 1+4+1+4
C) 1+4+1+3 D) 1+4+1+1
E) 1+3+4+1

2.



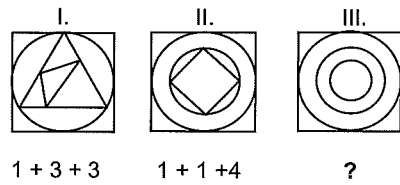
- A) 3+1+1 B) 1+1+3 C) 3+1+3
D) 1+3+1 E) 1+3+3

3.



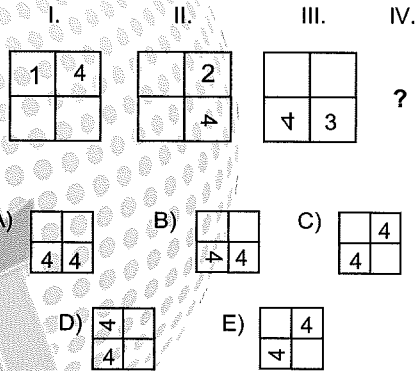
- A) 11 B) 24 C) 196 D) 48 E) 64

4.



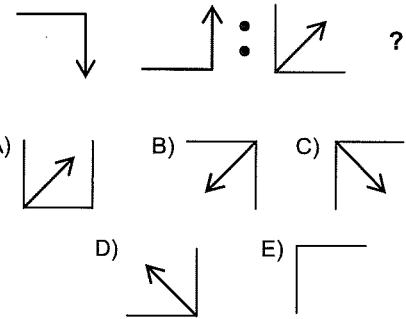
- A) 4 B) 1+1+1+3 C) 1+1+1
D) 1+1 E) 4+1+1+1

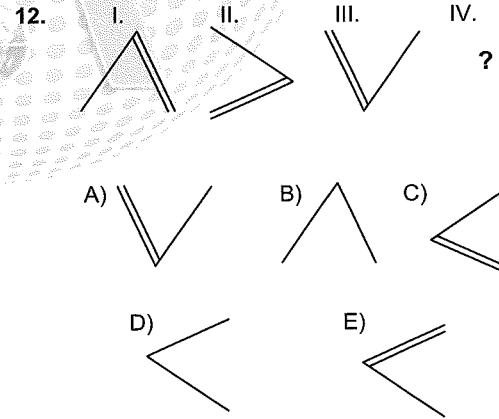
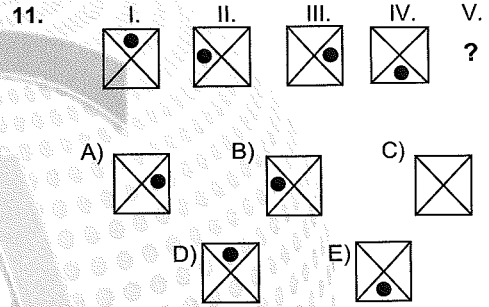
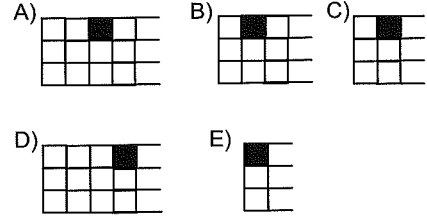
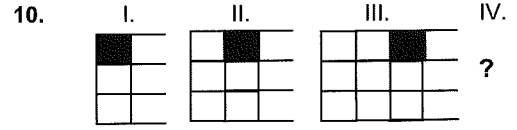
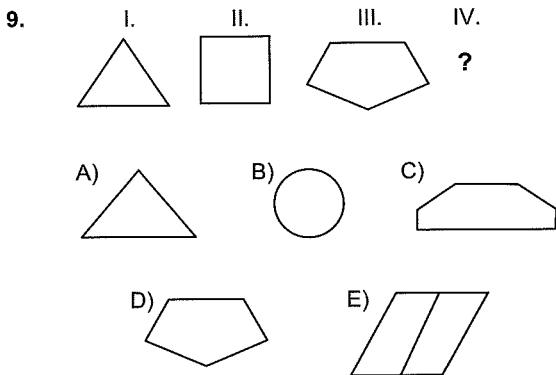
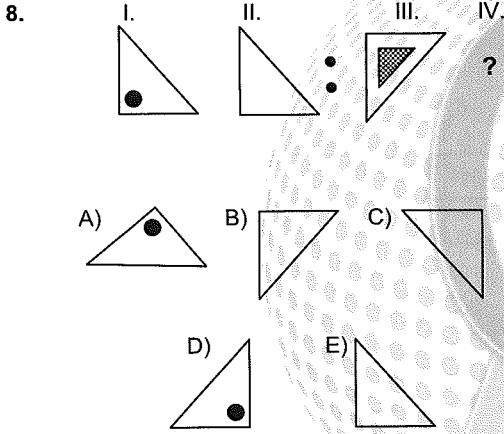
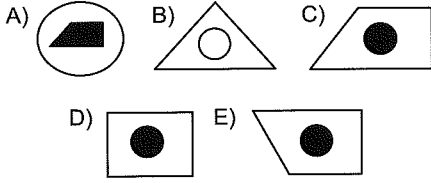
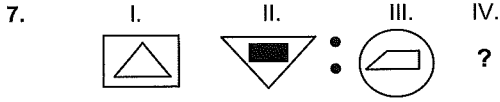
5.



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

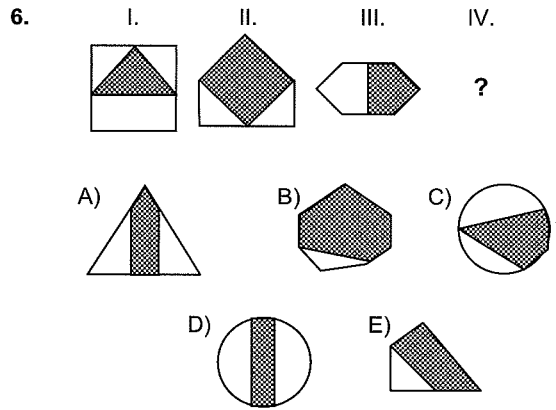
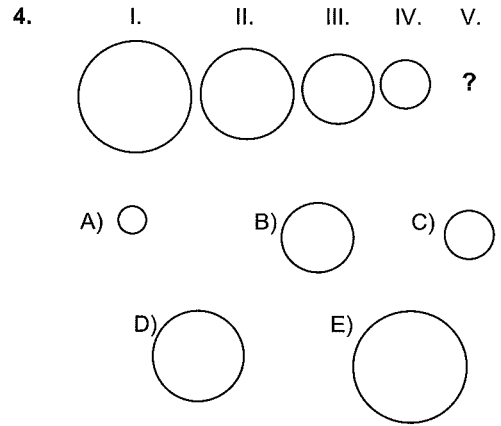
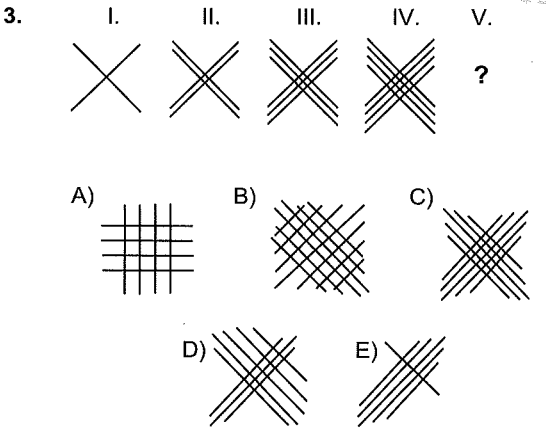
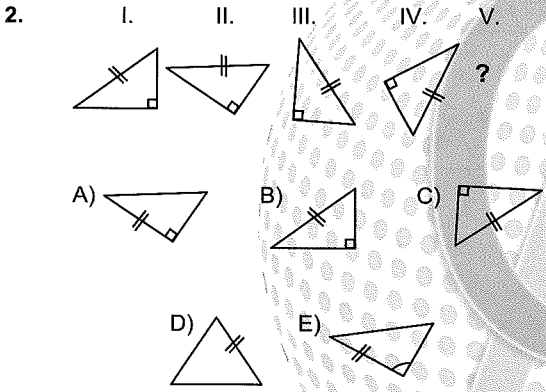
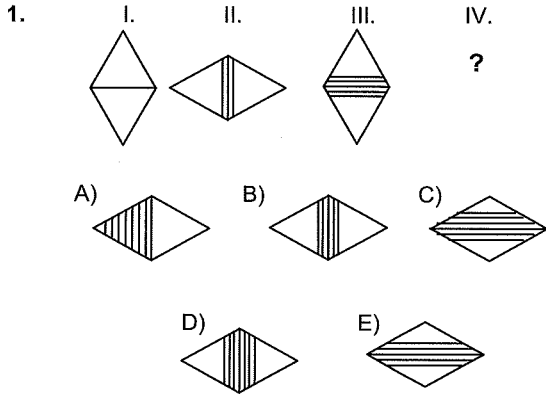
6.



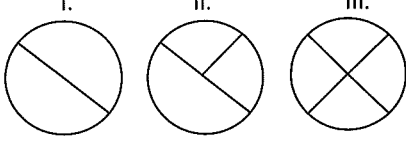


Cevap Anahtarı – Answer Sheet

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

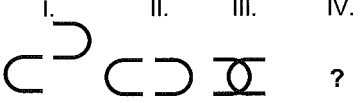


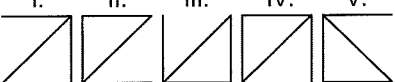


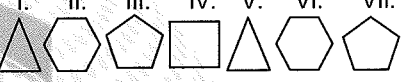
7. I. II. III.

2x x + 2y ?
A) 4z B) 4x C) y + 4z
D) 4y E) 2x

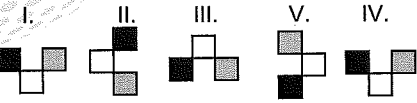
8. I. II. III. IV.

A)  B)  C) 
D)  E) 

9. I. II. III. IV.

A)  B)  C) 
D)  E) 

10. I. II. III. IV. V. VI.

A)  B)  C) 
D)  E) 

11. I. II. III. IV. V. VI. VII. VIII.

A)  B)  C) 
D)  E) 

12. I. II. III. V. IV.


Yukarıdaki diziyi hangi şekil bozmaktadır?

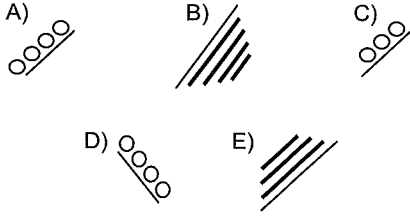
- A) I. B) II. C) III. D) IV E) V.

Cevap Anahtarı – Answer Sheet

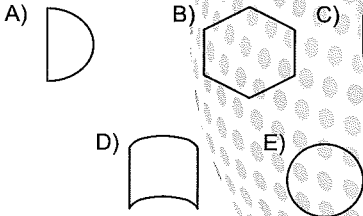
1.D	2.C	3.C	4.A	5.C	6.B
7.D	8.C	9.D	10.D	11.B	12.C



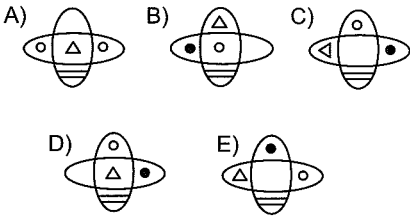
1. I. II. III. IV. V. VI.
? ? ? ? ? ?



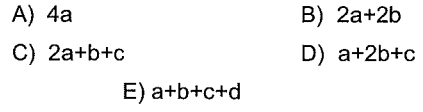
2. I. II. III. IV.
? ? ? ?



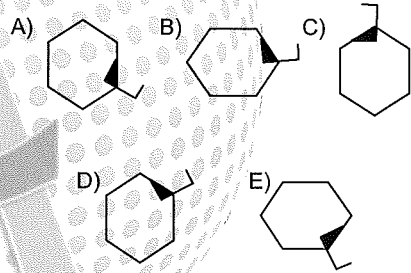
3. I. II. III. IV.
? ? ? ?



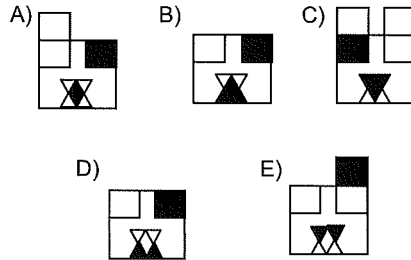
4. I. II. III. IV. V.
4a 4a 2a+2b a+b+c+d ?



5. I. II. III. IV.
? ? ? ?

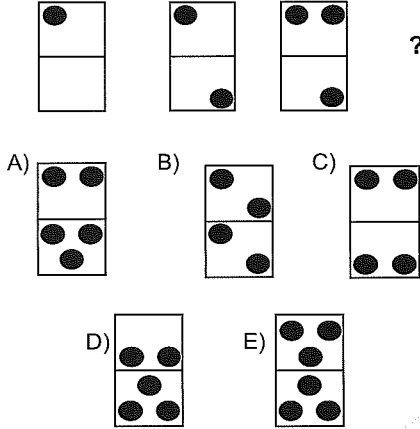


6. I. II. III. IV.
? ? ? ?

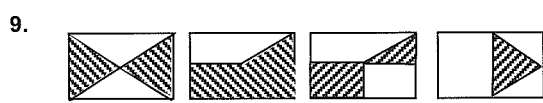
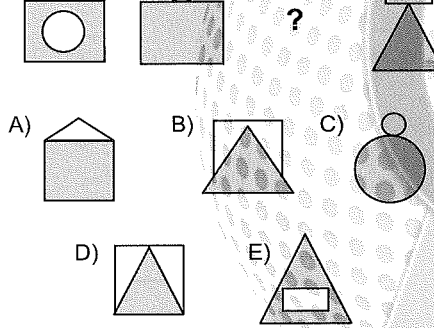




7. I. II. III. IV.
?



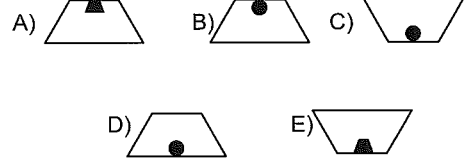
8. I. II. III. IV.
?



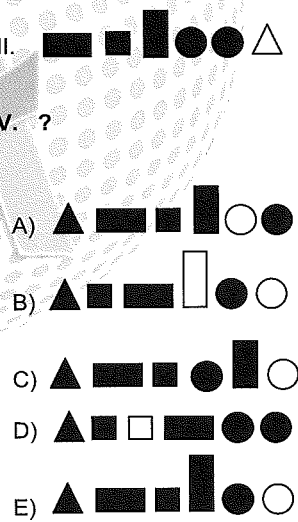
Şekil dizisine uygun sayı dizisi aşağıdakilerden hangisidir?

- A) 8, 10, 9, 6 B) 12, 15, 10, 9
C) 16, 20, 12, 8 D) 18, 20, 14, 8
E) 20, 25, 10, 8

10. I. II. III. IV.
?



11. I. II. III. IV.
?

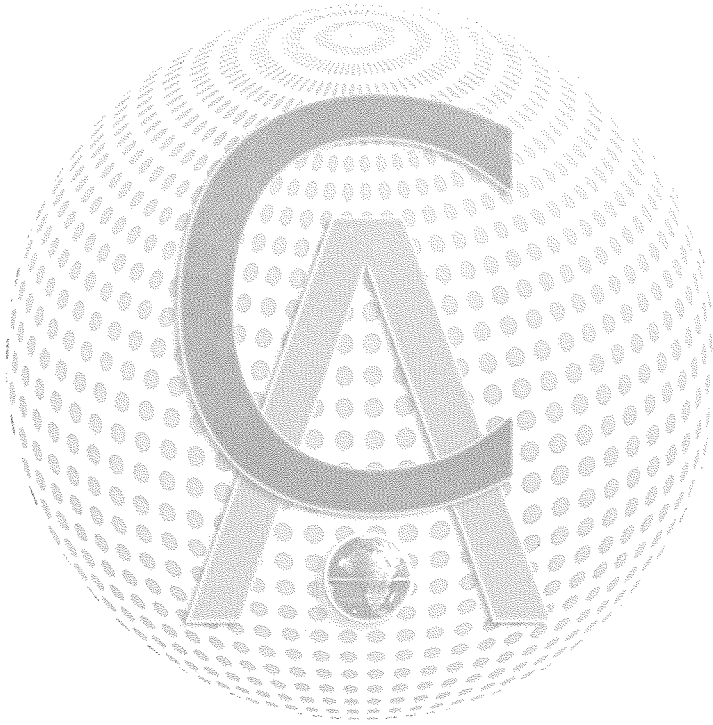


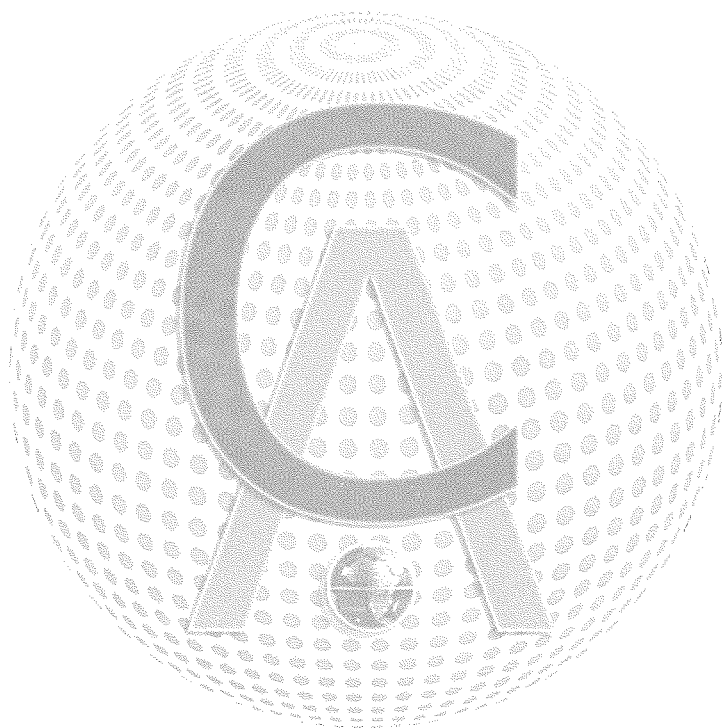
Cevap Anahtarı – Answer Sheet

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

9. BÖLÜM

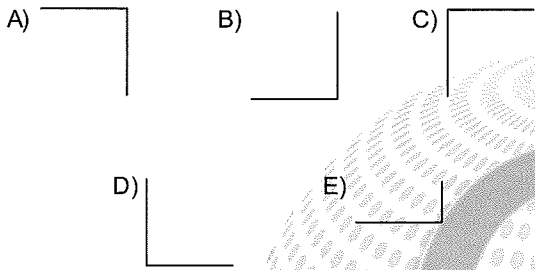
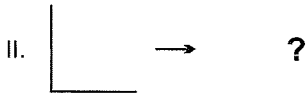
ŞEKİL İLİŞKİLERİ



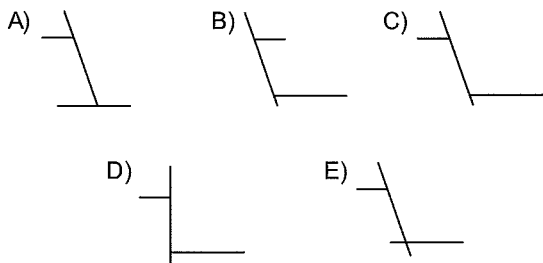
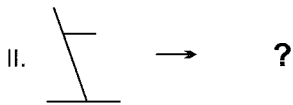
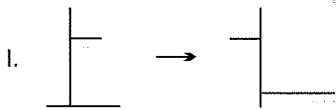




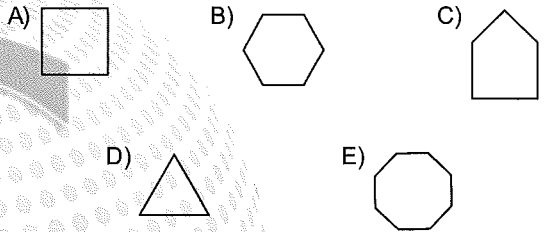
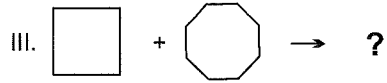
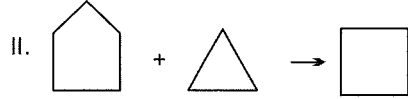
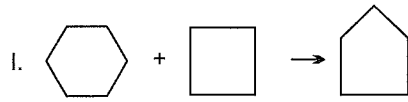
1.



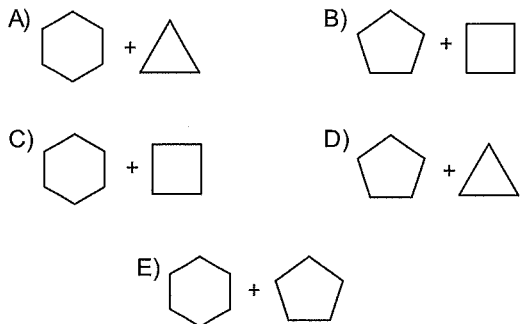
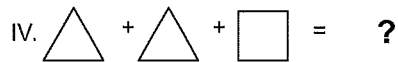
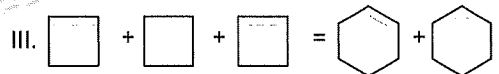
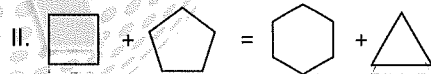
2.



3.

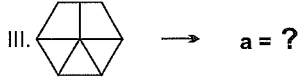
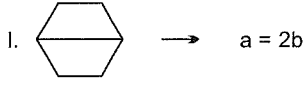


4.





5.



A) $2c + 3d$

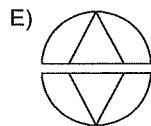
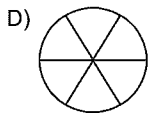
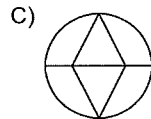
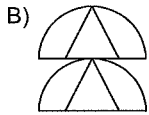
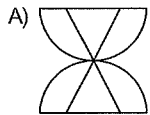
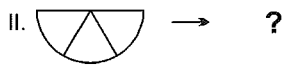
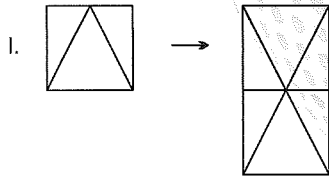
B) $b + c + d$

C) $2b + c + d$

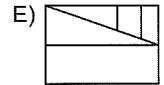
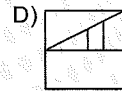
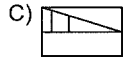
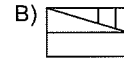
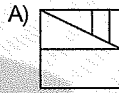
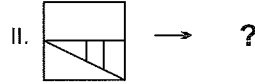
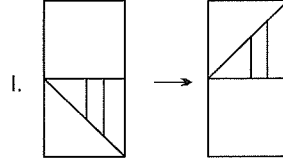
D) $2c + 4d$

E) $2b + 2c$

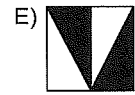
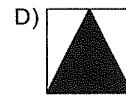
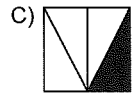
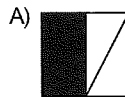
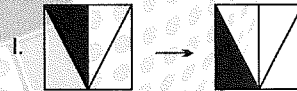
6.



7.

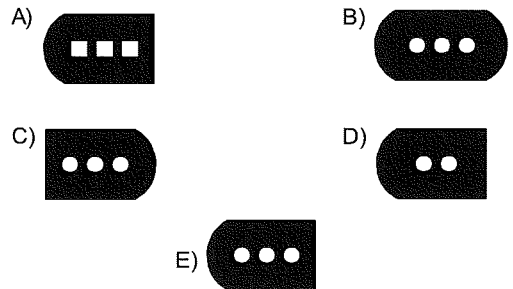
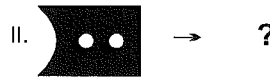
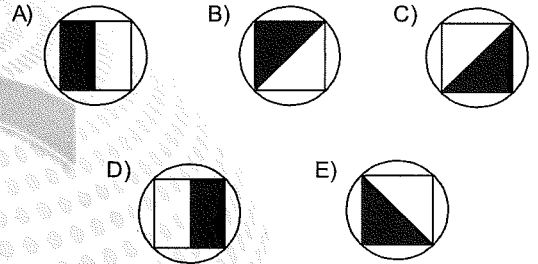
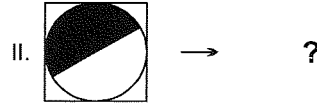
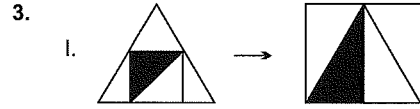
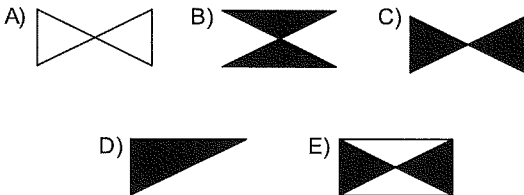
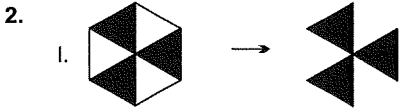
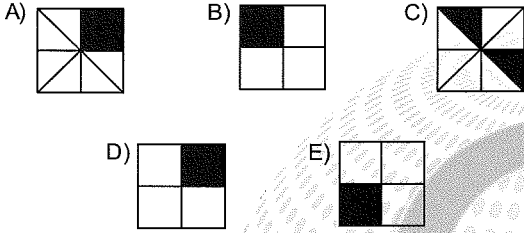
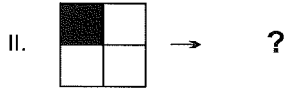
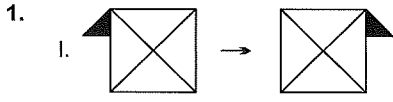


8.



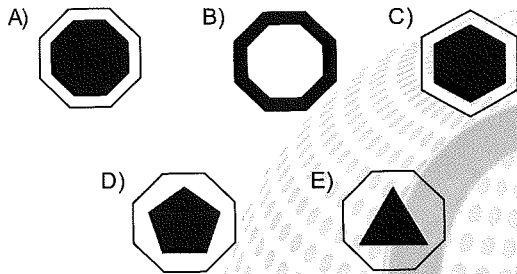
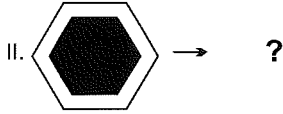
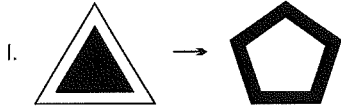
Cevap Anahtarı – Answer Sheet

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

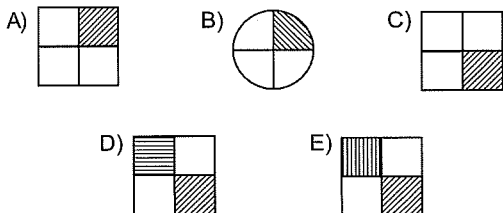
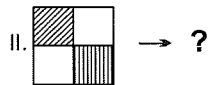
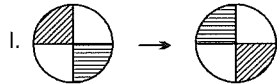




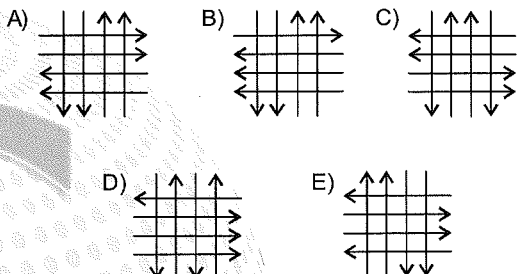
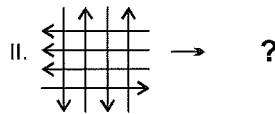
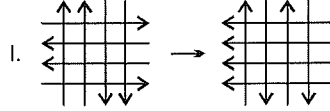
5.



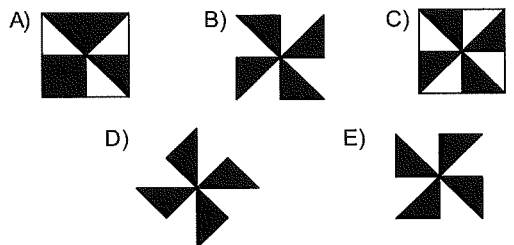
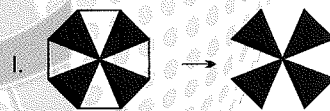
6.



7.

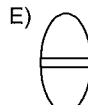
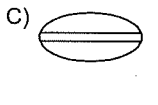
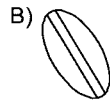
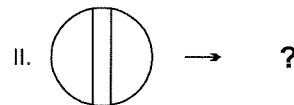
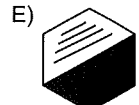
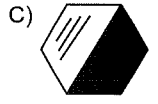
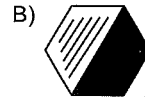
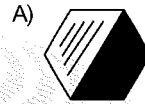
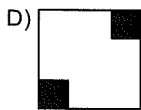
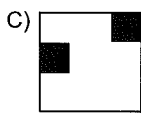
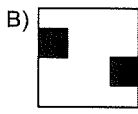
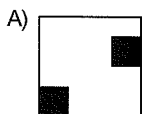
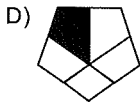
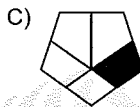
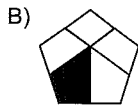
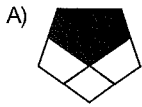
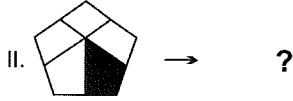
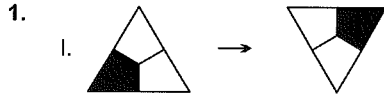


8.



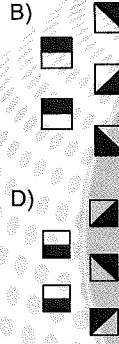
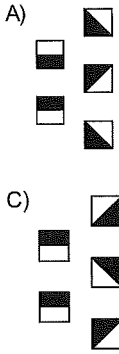
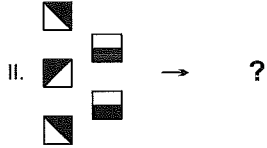
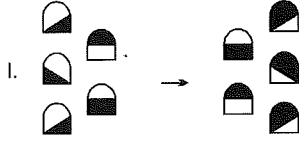
Cevap Anahtarı – Answer Sheet

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

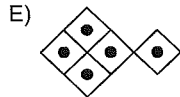
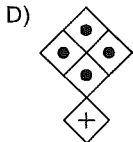
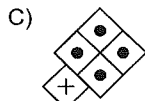
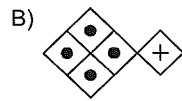
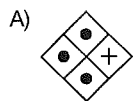
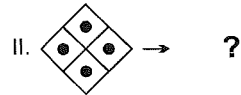
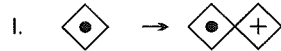




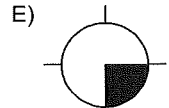
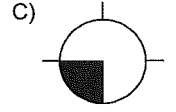
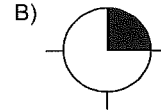
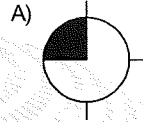
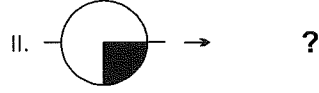
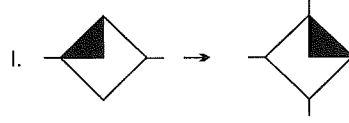
5.



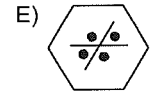
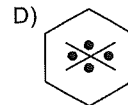
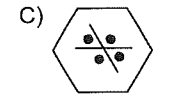
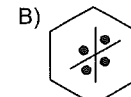
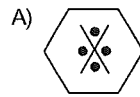
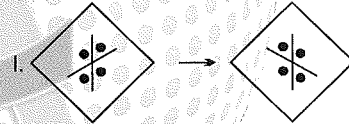
6.



7.



8.

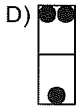
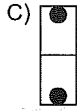
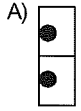
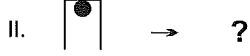
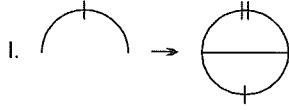


Cevap Anahtarı – Answer Sheet

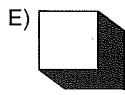
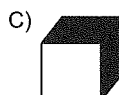
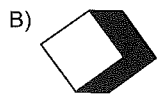
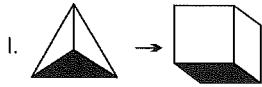
1.D	2.D	3.A	4.A
5.E	6.B	7.C	8.B



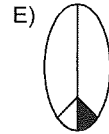
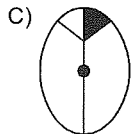
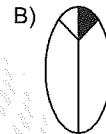
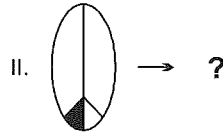
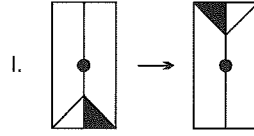
1.



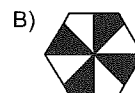
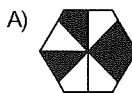
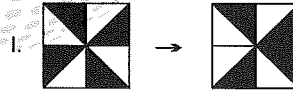
2.

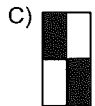
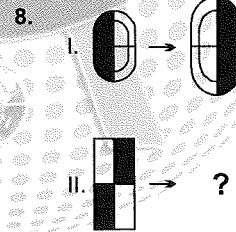
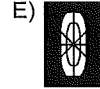
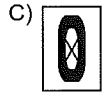
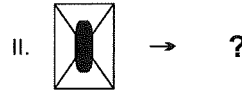
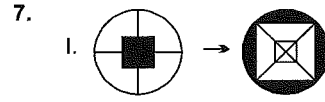
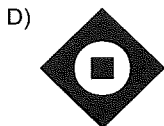
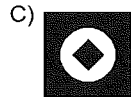
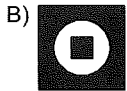
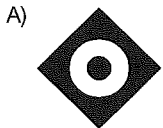
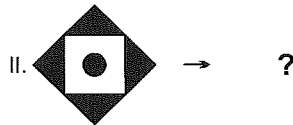
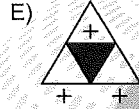
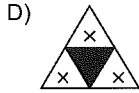
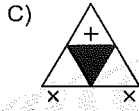
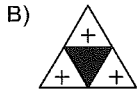
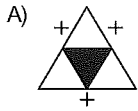
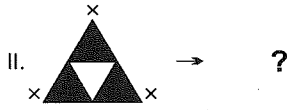
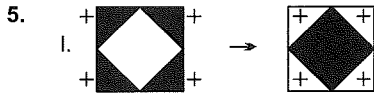


3.



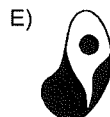
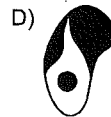
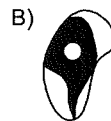
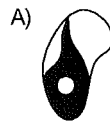
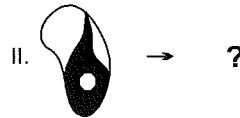
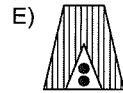
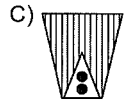
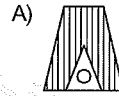
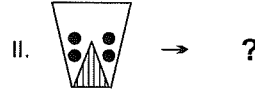
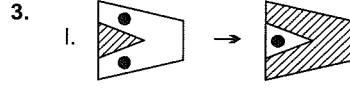
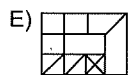
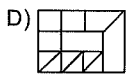
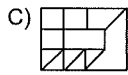
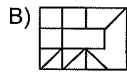
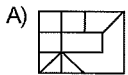
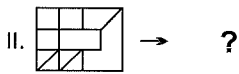
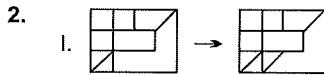
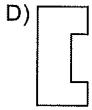
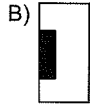
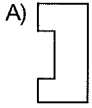
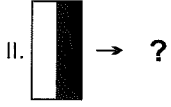
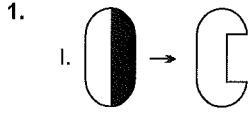
4.





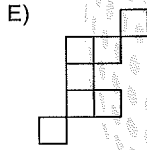
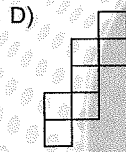
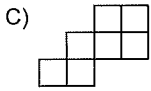
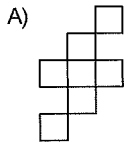
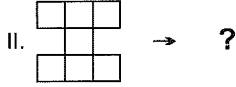
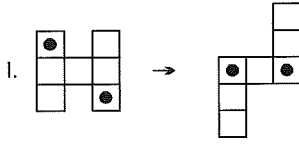
Cevap Anahtarı – Answer Sheet

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



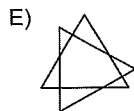
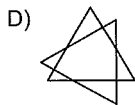
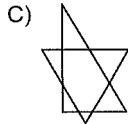
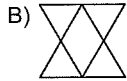
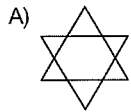


5.



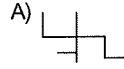
6. Farklı şekli bulunuz.

Find the different figure.



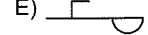
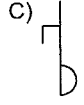
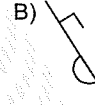
7. Farklı şekli bulunuz.

Find the different figure.



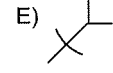
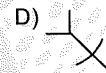
8. Farklı şekli bulunuz.

Find the different figure.



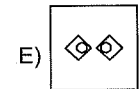
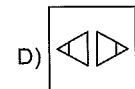
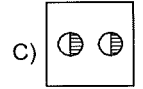
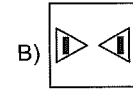
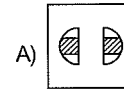
9. Farklı şekli bulunuz.

Find the different figure.



10. Farklı şekli bulunuz.

Find the different figure.



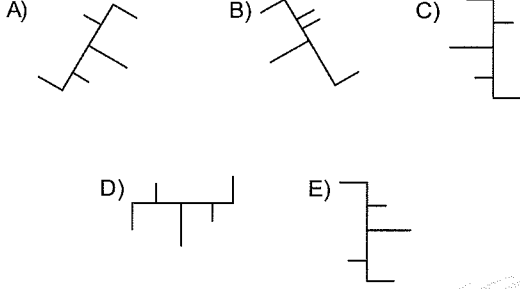
Cevap Anahtarı – Answer Sheet

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



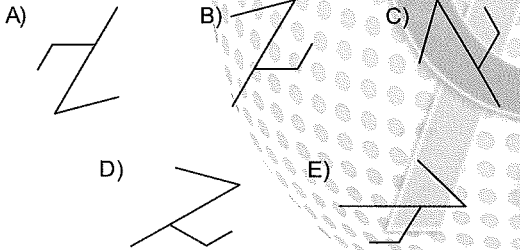
1. Farklı şekli bulunuz.

Find the different figure.



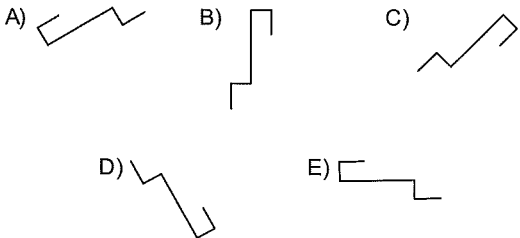
2. Farklı şekli bulunuz.

Find the different figure.



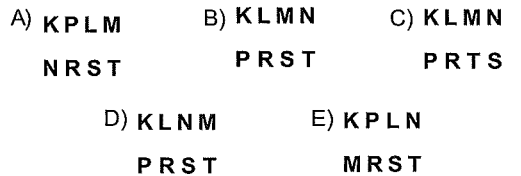
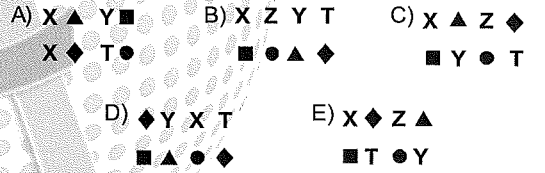
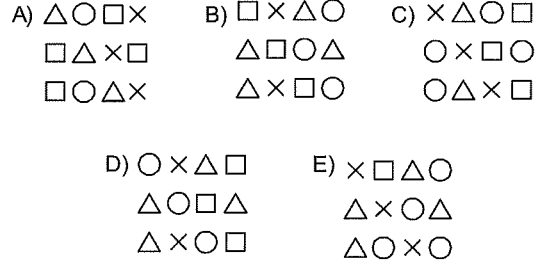
3. Farklı şekli bulunuz.

Find the different figure.



4. Farklı şekli bulunuz.

Find the different figure.





Cevap Anahtarı – Answer Sheet

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



1.

△ ○	○
-----	---

 ⇒

△

○ □	△
-----	---

 ⇒

○ □ △

○ □ △	△ □ ⊗
-------	-------

 ⇒

○ ⊗

△ □ ⊗ ○	△ ● ○
---------	-------

 ⇒

?

A)

□ ○ ⊗ △

B)

△ □ ○ ⊗ ●

C)

△ □ ●

D)

□ ⊗ ●

E)

○ □ ⊗

2.

□	○	△	○	○
△	□	○	□	□
I	II	○	□	○
□	□	△	○	□

(I, II) = (?, ?)

A) □ ○

B) △ □

C) □ △

D) △ ○

E) ○ △

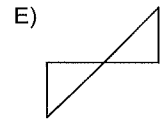
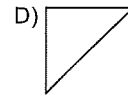
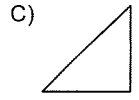
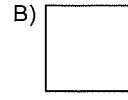
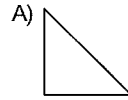
3.

□	△
---	---

 -

△

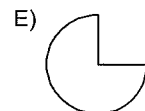
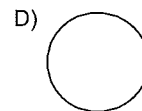
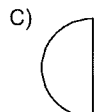
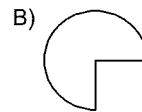
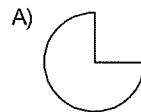
 = ?



4.

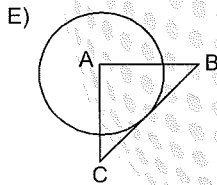
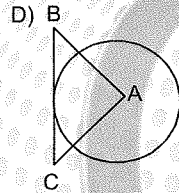
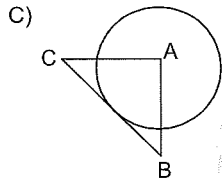
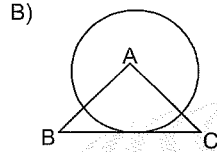
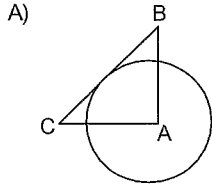
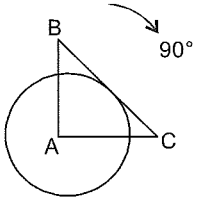
◐	+	◑	+	◒
---	---	---	---	---

 = ?



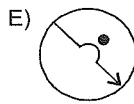
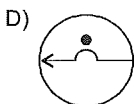
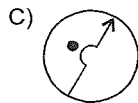
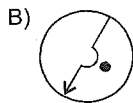
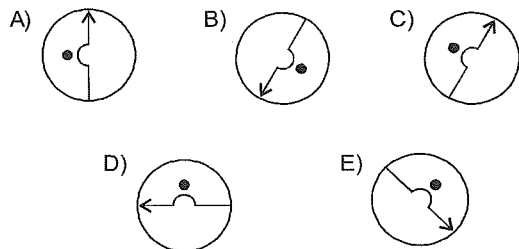


5.



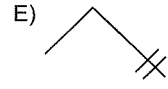
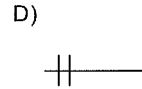
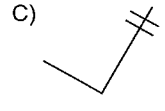
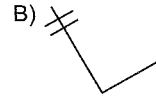
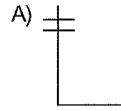
6. Farklı şekli bulunuz.

Find the different figure..



7. Farklı şekli bulunuz.

Find the different figure.



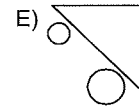
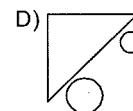
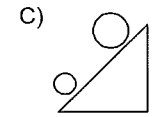
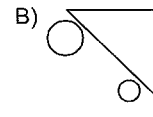
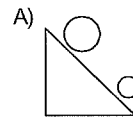
8. Farklı şekli bulunuz.

Find the different figure.



9. Farklı şekli bulunuz.

Find the different figure.



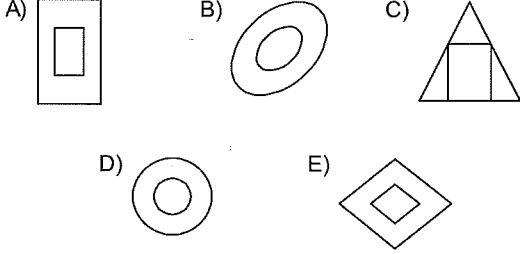
Cevap Anahtarı – Answer Sheet

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



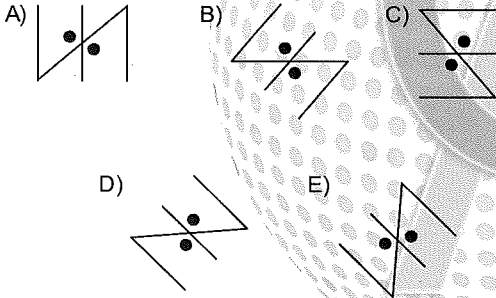
1. Farklı şekli bulunuz.

Find the different figure.



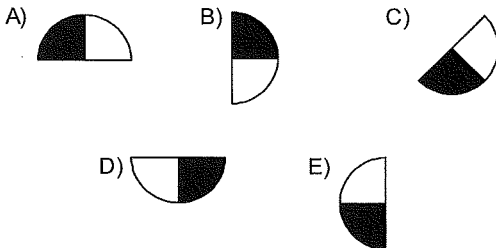
2. Farklı şekli bulunuz.

Find the different figure.



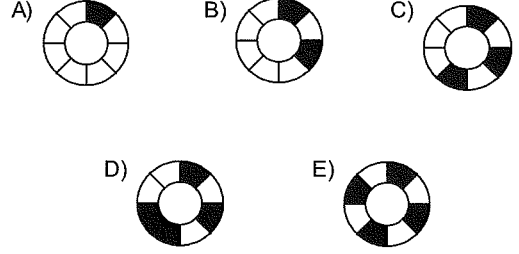
3. Farklı şekli bulunuz.

Find the different figure.



4. Farklı şekli bulunuz.

Find the different figure.



5.

1				
2	3	4	5	
				6

I. 2 – 4

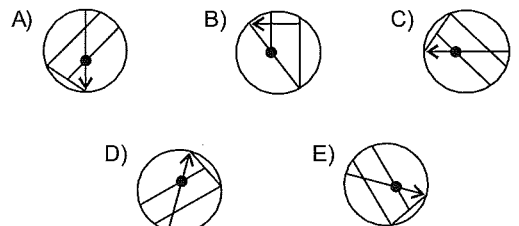
II. ?

III. ?

A)	B)	C)	D)	E)
II. 3–5	1–4	1–6	2–6	2–4
III. 1–6	3–5	2–5	3–5	3–6

6. Farklı şekli bulunuz.

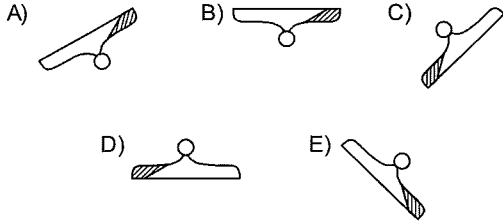
Find the different figure..





7. Farklı şekli bulunuz.

Find the different figure.



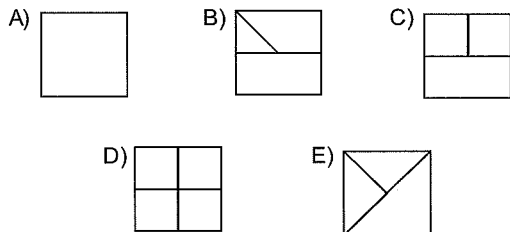
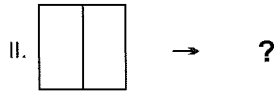
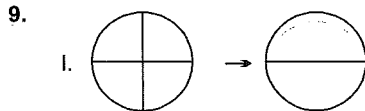
8. + = 6

+ = 2

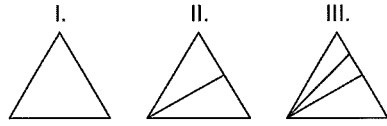
+ = 2

+ = ?

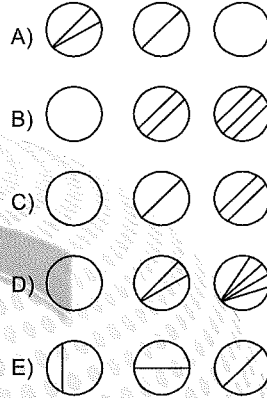
- A) 0 B) 1 C) 2 D) 3 E) 4



10.

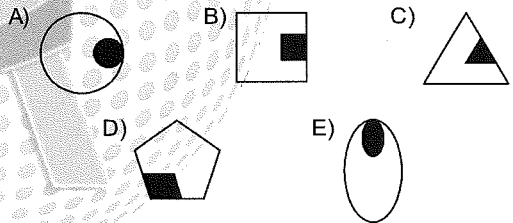


Yukarıda verilen üç şekildeki ilişki, diğer hangi üç şekilde de verilmiştir?



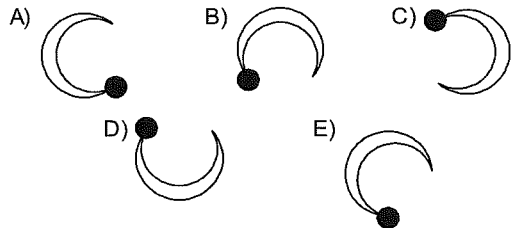
11. Farklı şekli bulunuz.

Find the different figure.



12. Farklı şekli bulunuz.

Find the different figure.



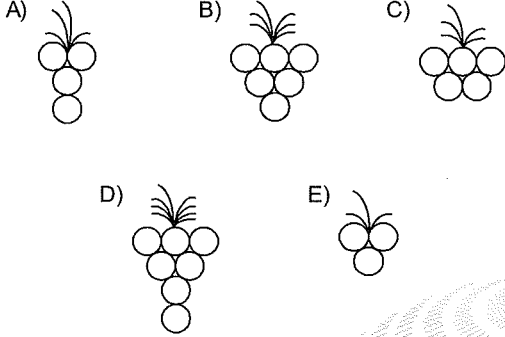
Cevap Anahtarı – Answer Sheet

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



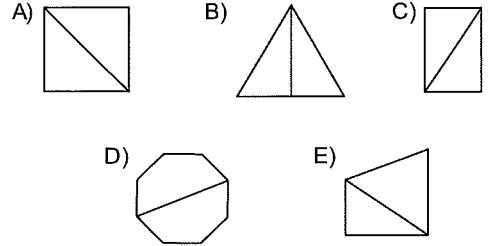
1. Farklı şekli bulunuz.

Find the different figure.

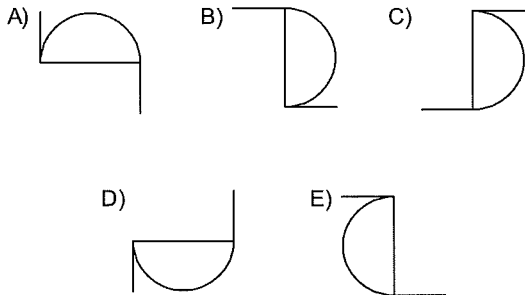
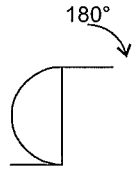


3. Farklı şekli bulunuz.

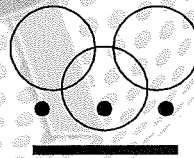
Find the different figure.



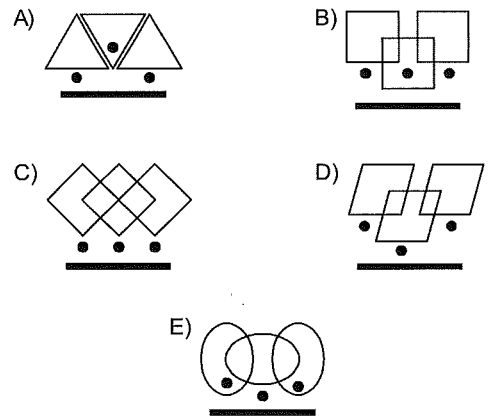
2.



4.



Yukarıda verilen şeklin benzeri aşağıdakilerden hangisidir?





5. I. II. III. IV. V.

a

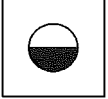
a

a

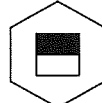
a
V. ?
b

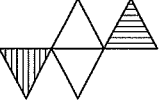
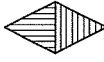
Yukarıda verilen şekillerde ortak bir özellik vardır. Bu özellik aşağıda verilenlerden hangisinde yoktur?

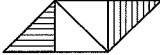
- A) 
B) 
C) 
D) 
E) 

6. I.  → 

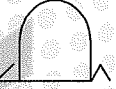
- II.  → ?

- A) 
B) 
C) 
D) 
E) 

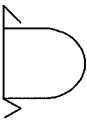
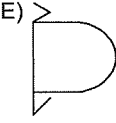
7. I.  → 

- II.  → ?

- A) 
B) 
C) 
D) 
E) 

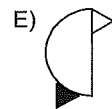
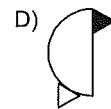
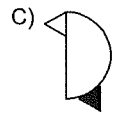
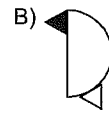
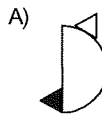
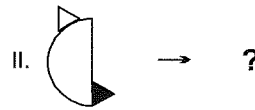
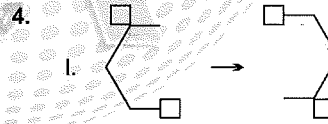
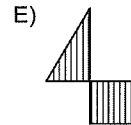
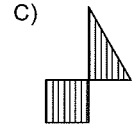
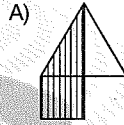
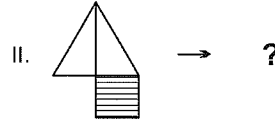
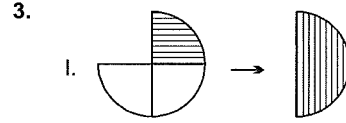
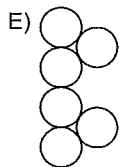
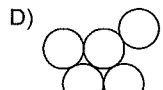
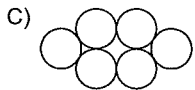
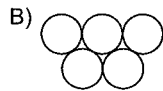
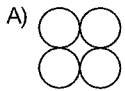
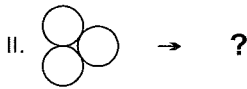
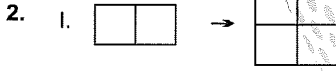
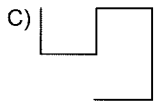
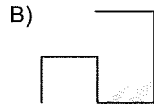
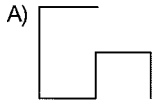
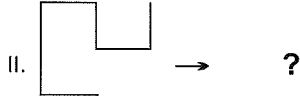
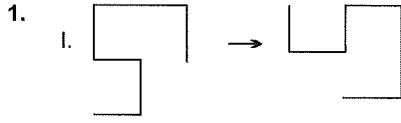
8. I.  → 

- II.  → ?

- A) 
B) 
C) 
D) 
E) 

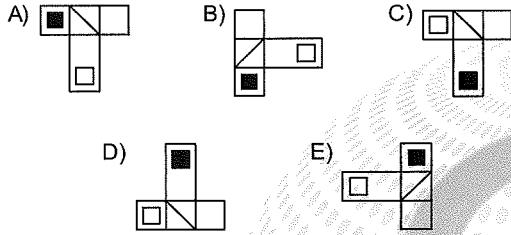
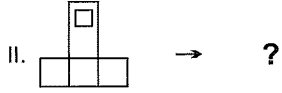
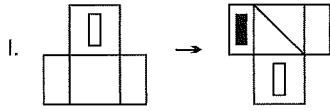
Cevap Anahtarı – Answer Sheet

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

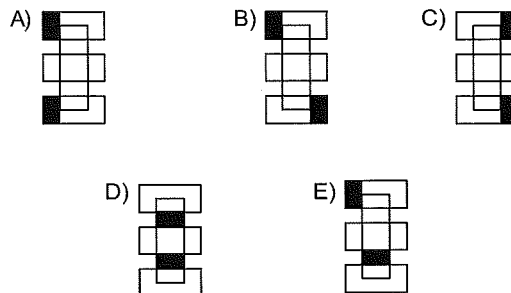
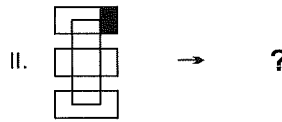
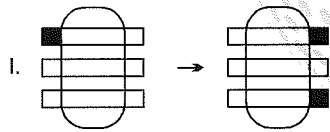




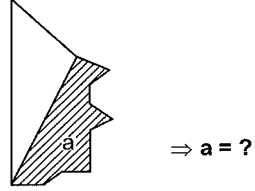
5.



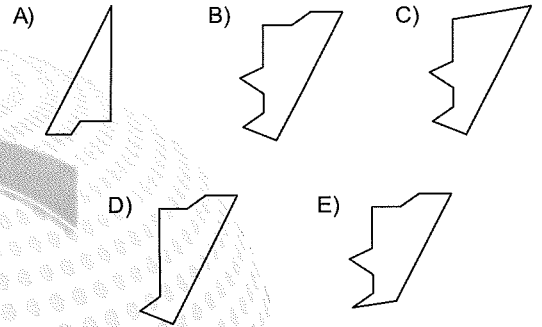
6.



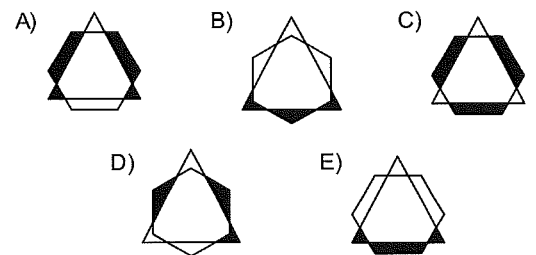
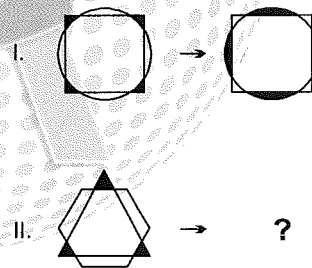
7.



Yukarıda verilen şekildeki taralı alan, aşağıda verilen seçeneklerden hangisidir?

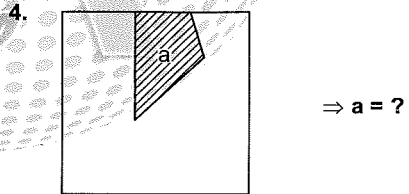
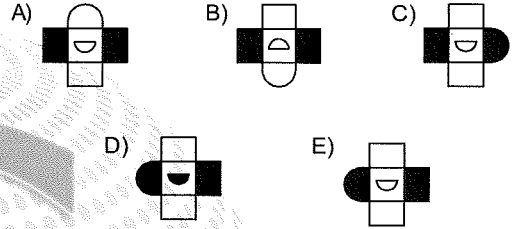
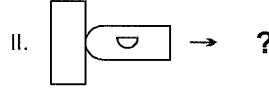
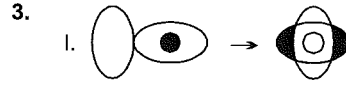
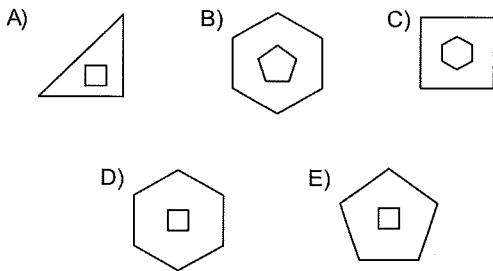
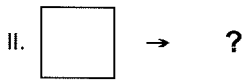
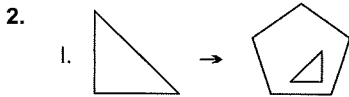
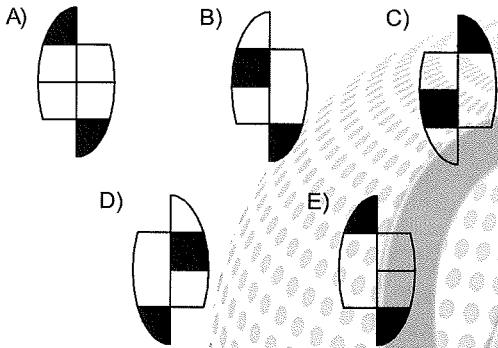
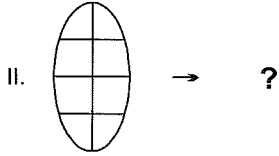
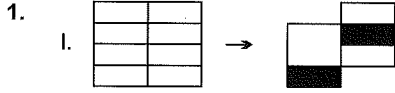


8.

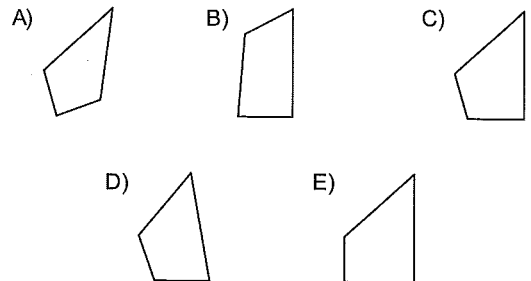


Cevap Anahtarı – Answer Sheet

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

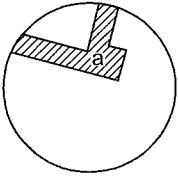


Yukarıda verilen şekildeki taralı alan, aşağıda verilen seçeneklerden hangisidir?





5.

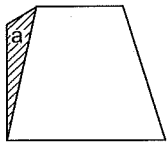


$\Rightarrow a = ?$

Yukarıda verilen şekildeki taralı alan, aşağıda verilen seçeneklerden hangisidir?

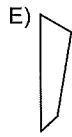
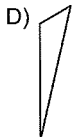
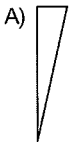


6.

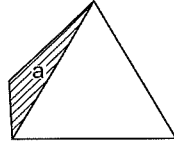


$\Rightarrow a = ?$

Yukarıda verilen şekildeki taralı alan, aşağıda verilen seçeneklerden hangisidir?

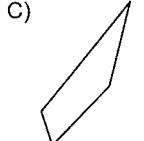
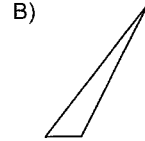
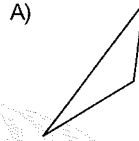


7.

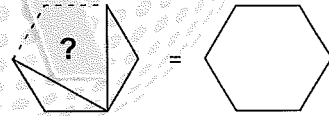


$\Rightarrow a = ?$

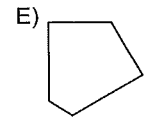
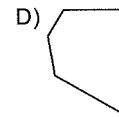
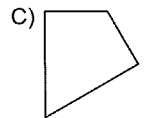
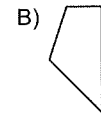
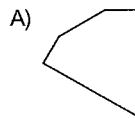
Yukarıda verilen şekildeki taralı alan, aşağıda verilen seçeneklerden hangisidir?



8.



Yukarıdaki şekil tam bir altıgendir. Şeklin tam olması için aşağıdakiler seçeneklerden hangisiyle doldurulmalıdır?

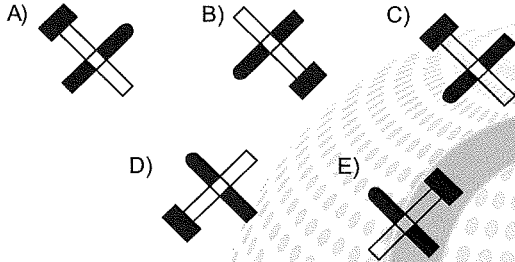
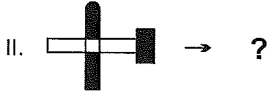
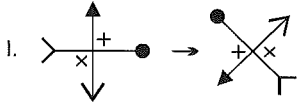


Cevap Anahtarı – Answer Sheet

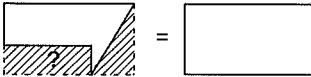
1.D	2.D	3.D	4.C
5.D	6.D	7.A	8.C



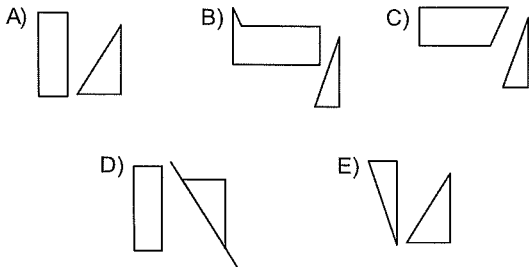
1.



2.

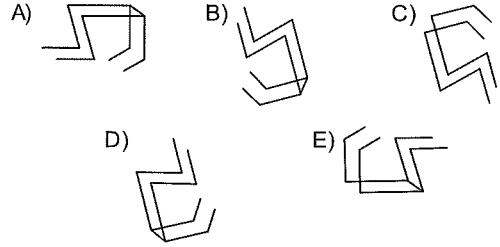


Şeklin dikdörtgen olması için aşağıdaki seçeneklerden hangisiyle tamamlanmalıdır?



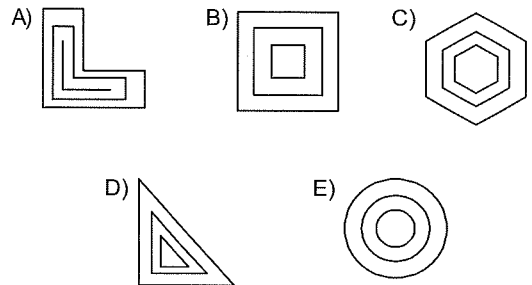
3. Farklı şekli bulunuz.

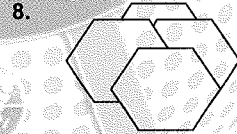
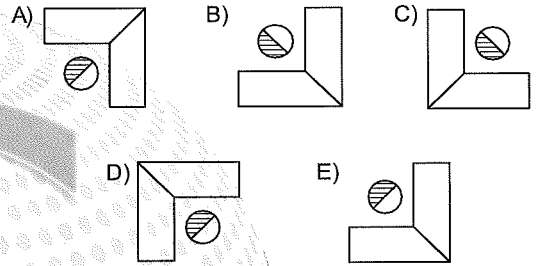
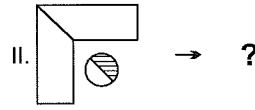
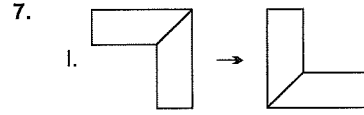
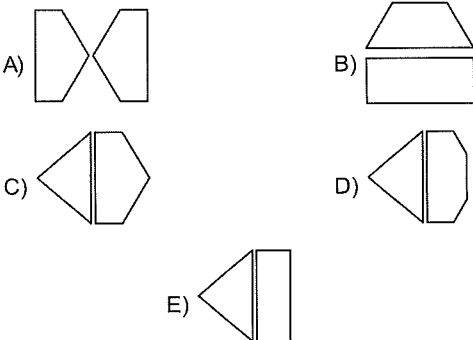
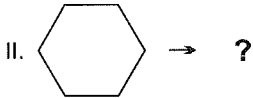
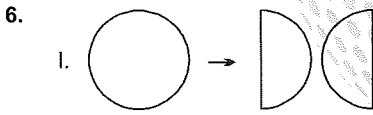
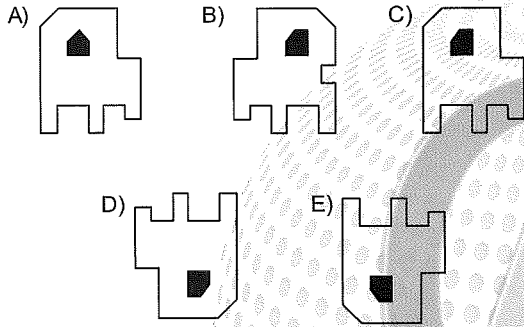
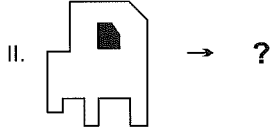
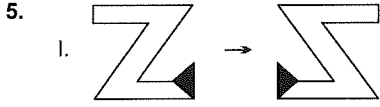
Find the different figure.



4. Farklı şekli bulunuz.

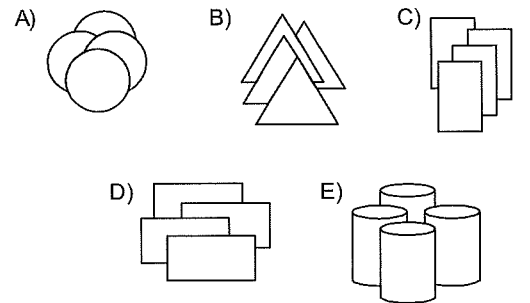
Find the different figure.





Yukarıdaki şeklin benzeri aşağıdakilerden hangisidir?

Which of the following is similar to the above?

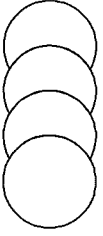


Cevap Anahtarı – Answer Sheet

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



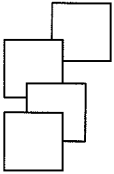
1.



Yukarıdaki şeklin benzeri aşağıdakilerden hangisidir?

Which of the following is similar to the above?

A)



B)



C)



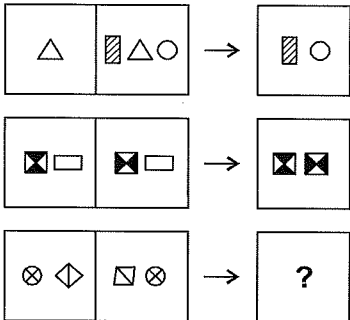
D)



E)



2.



A)

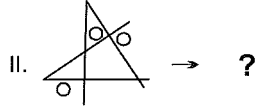
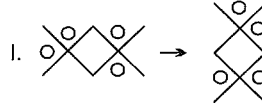
B)

C)

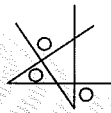
D)

E)

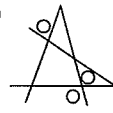
3.



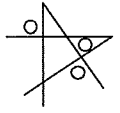
A)



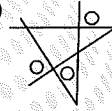
B)



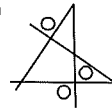
C)



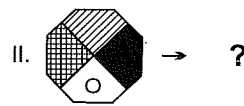
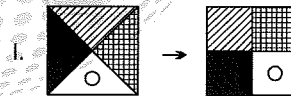
D)



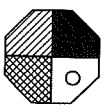
E)



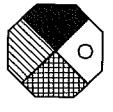
4.



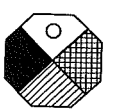
A)



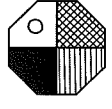
B)



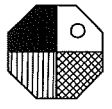
C)

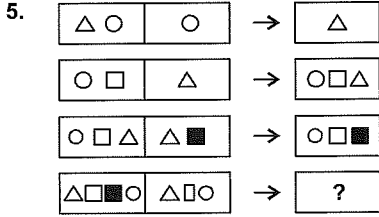


D)

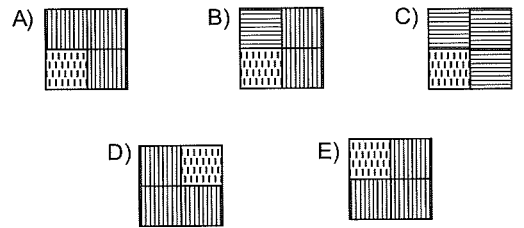
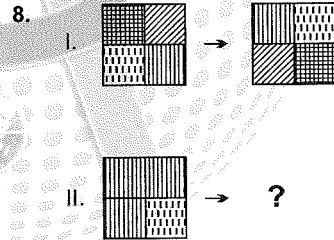
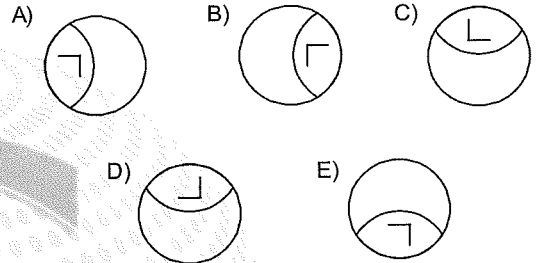
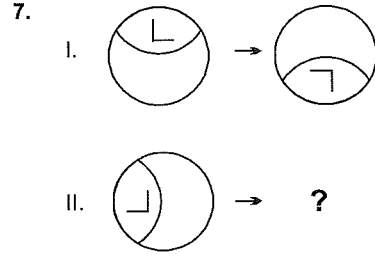
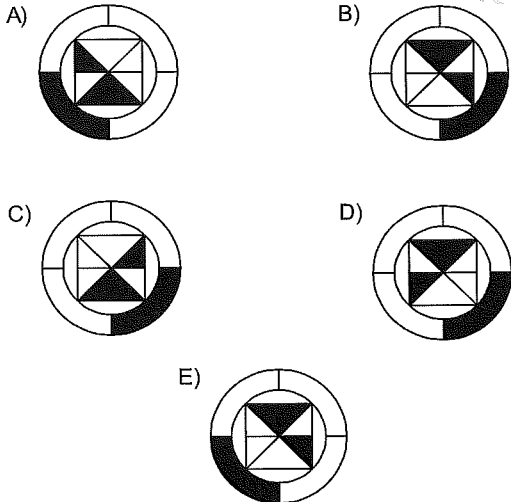
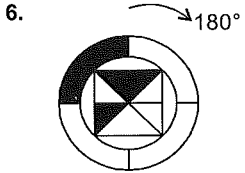


E)



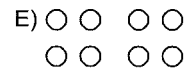
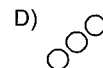
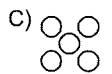
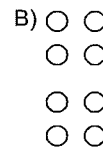
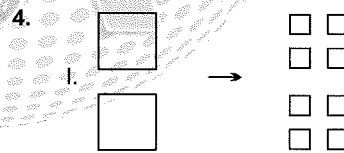
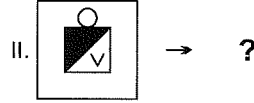
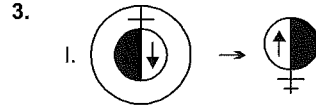
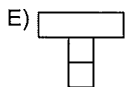
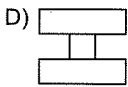
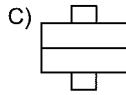
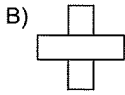
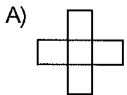
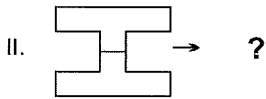
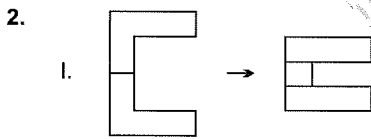
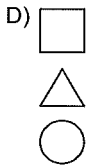
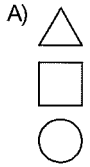
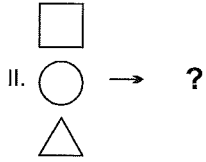
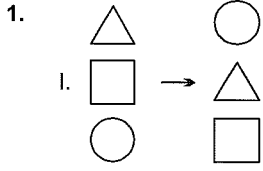


- A) □ ■ ○ □ B) □ ■ ○ C) △ □ ○
D) □ ■ □ E) △ □ ■



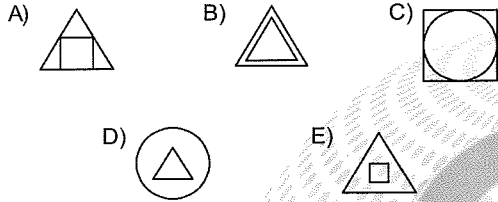
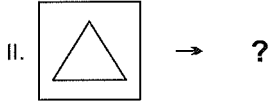
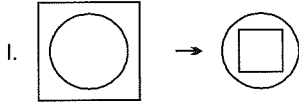
Cevap Anahtarı – Answer Sheet

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

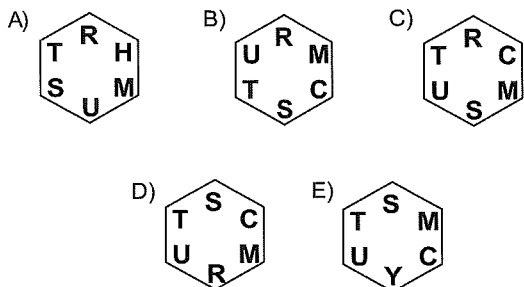
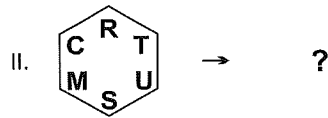
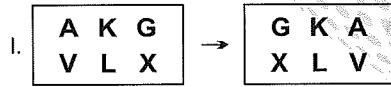




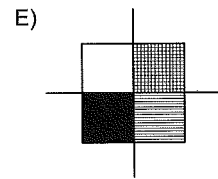
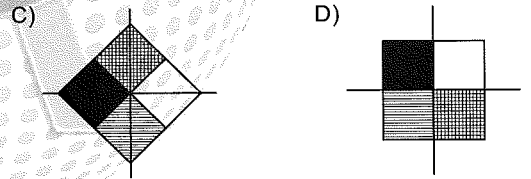
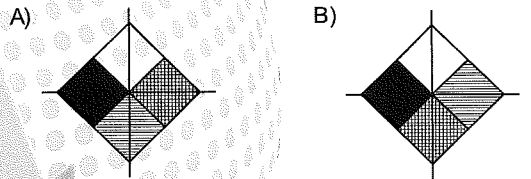
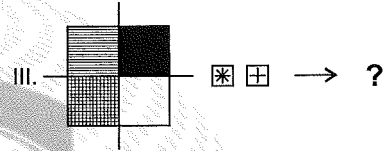
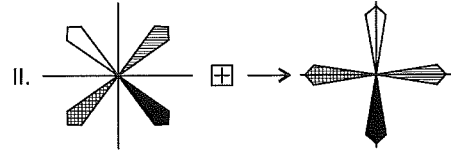
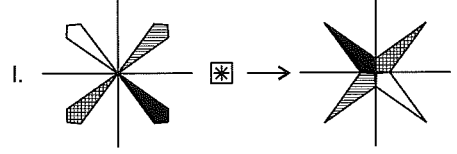
5.



6.



7.

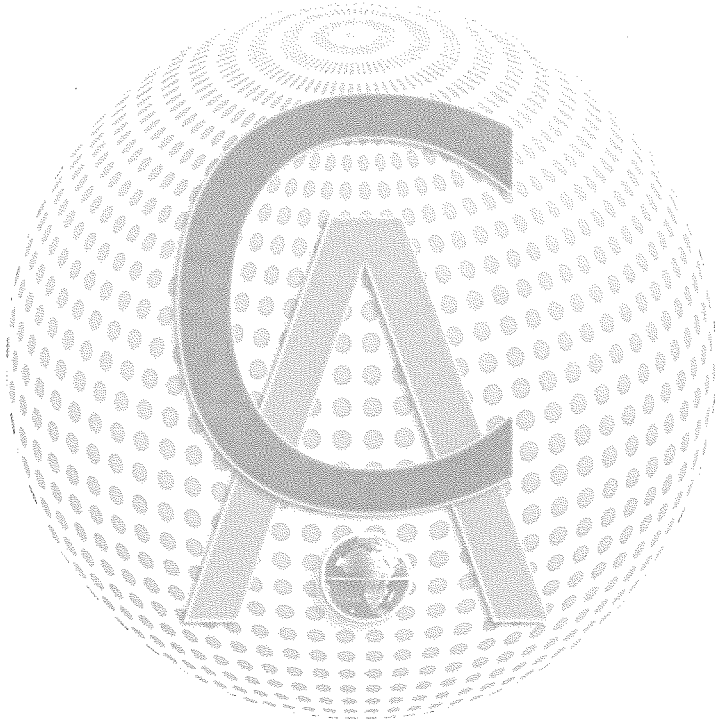


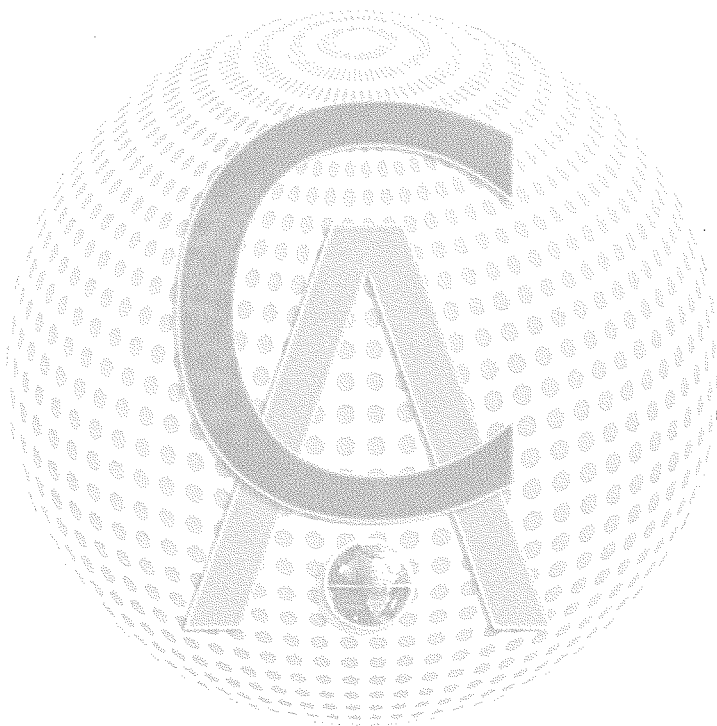
Cevap Anahtarı – Answer Sheet

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

10. BÖLÜM

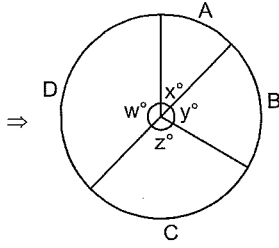
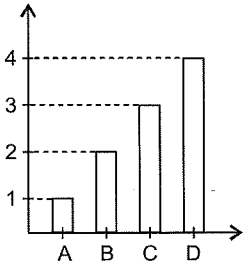
GRAFİK







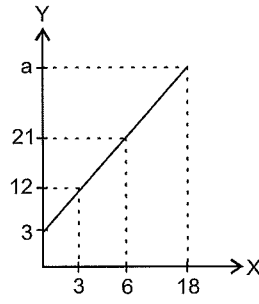
1.



$$w^\circ - x^\circ = ?^\circ$$

- A) 36° B) 54° C) 72° D) 108° E) 120°

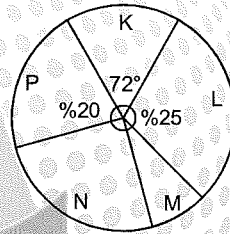
3.



$$a = ?$$

- A) 52 B) 54 C) 57 D) 60 E) 63

4.



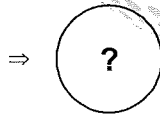
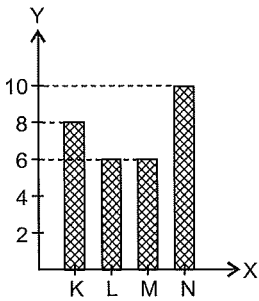
$$M = \frac{K}{2}$$

$$N = \frac{5}{4} \cdot P$$

$$\frac{N+L}{K+M+P} = ?$$

- A) $\frac{1}{3}$ B) $\frac{2}{3}$ C) $\frac{3}{4}$ D) $\frac{4}{5}$ E) 1

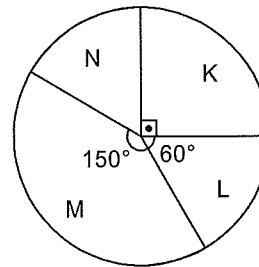
2.



- K $\rightarrow a^\circ = ?$
 L $\rightarrow b^\circ = ?$
 M $\rightarrow c^\circ = ?$
 N $\rightarrow d^\circ = ?$

	a°	b°	c°	d°
A)	96	72	72	120
B)	80	72	72	108
C)	36	72	72	120
D)	96	72	64	108
E)	96	72	72	108

5.

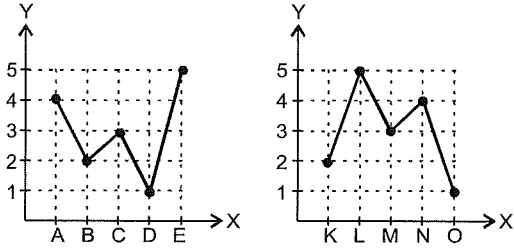


$$K:L:M:N = ?$$

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



6.



$$A = N$$

$$(B, C) = (?, ?)$$

A) (K, M)

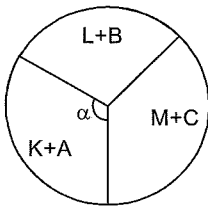
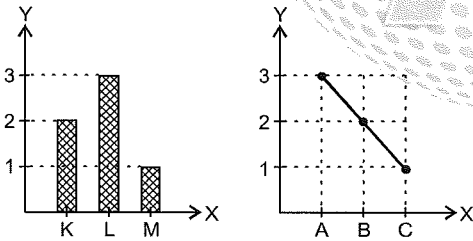
B) (K, L)

C) (M, O)

D) (M, K)

E) (L, M)

7.



$$\Rightarrow \alpha = ?$$

A) 30

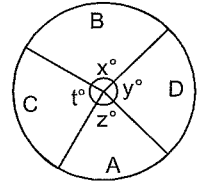
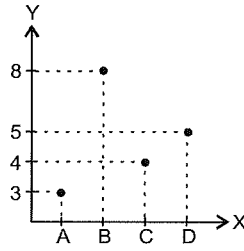
B) 60

C) 90

D) 120

E) 150

8.



$$(x + y) - (z + t) = ?$$

A) 68

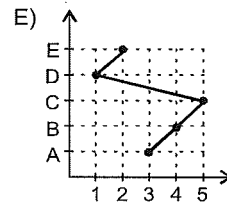
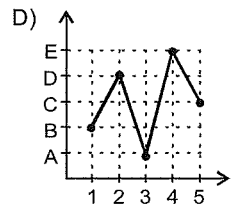
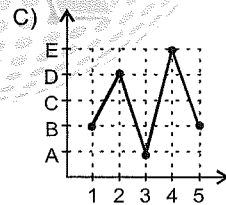
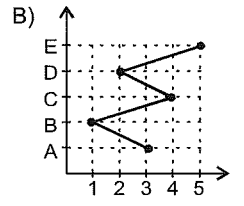
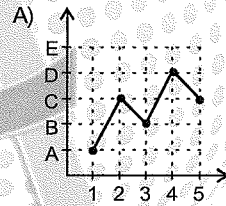
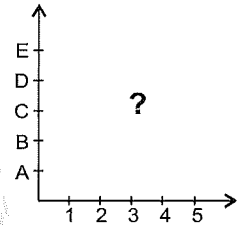
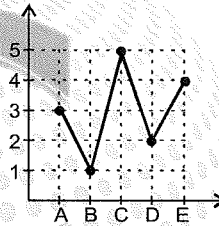
B) 72

C) 94

D) 108

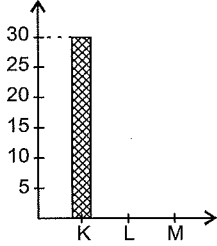
E) 112

9.



Cevap Anahtarı – Answer Sheet

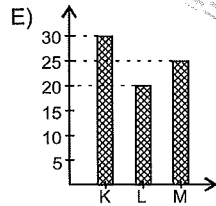
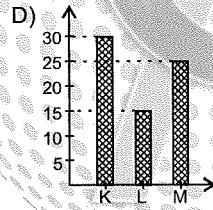
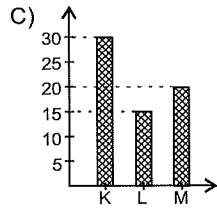
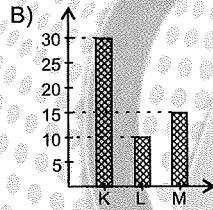
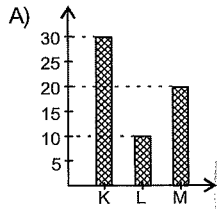
1.D	2.A	3.C	4.E	5.A
6.A	7.E	8.D	9.D	



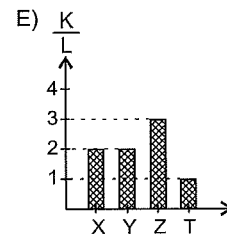
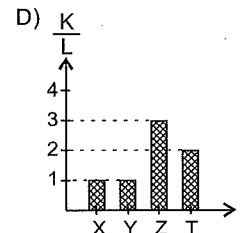
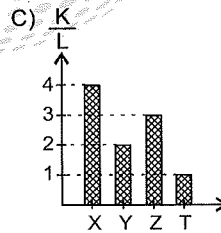
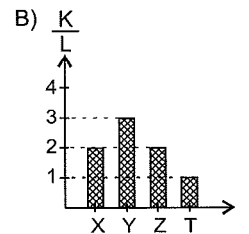
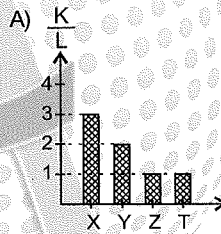
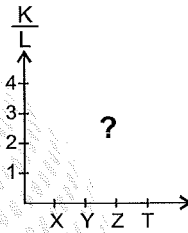
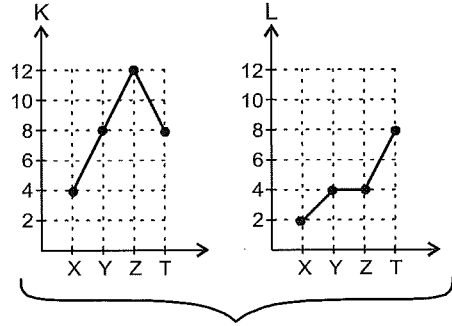
$$K = 30$$

$$L = ?$$

$$M = ?$$

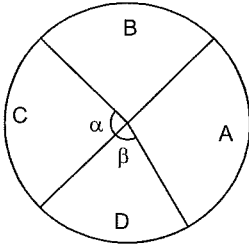


2.





3.



$$A = \frac{1}{3}$$

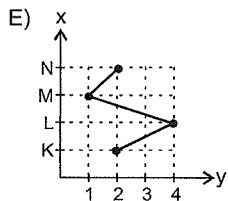
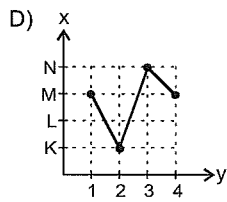
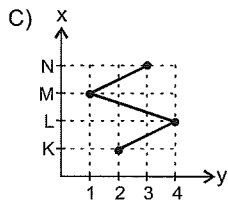
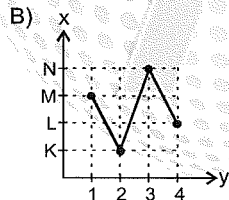
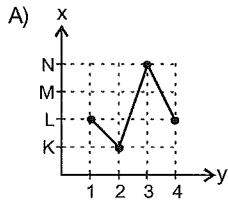
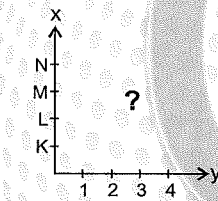
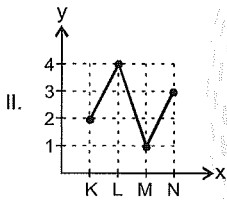
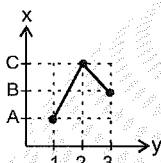
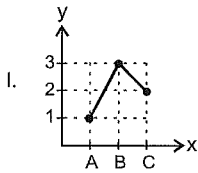
$$B = \frac{1}{5}$$

$$\alpha^\circ - \beta^\circ = 32^\circ$$

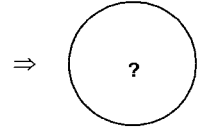
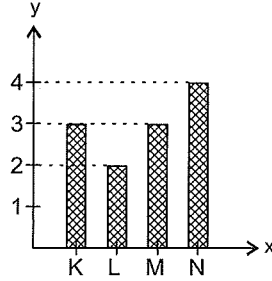
$$\beta^\circ = ?$$

- A) 56 B) 68 C) 72 D) 84 E) 100

4.



5.



$$K \rightarrow a^\circ = ?$$

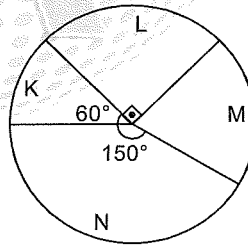
$$L \rightarrow b^\circ = ?$$

$$M \rightarrow c^\circ = ?$$

$$N \rightarrow d^\circ = ?$$

	a°	b°	c°	d°
A)	90	60	180	30
B)	72	108	144	36
C)	90	60	90	120
D)	108	72	36	144
E)	108	126	72	54

6.



$$K, L, M, N = ?$$

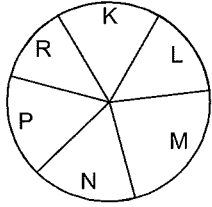
- A) 2, 3, 2, 5 B) 4, 3, 5, 3 C) 2, 2, 3, 5
D) 3, 3, 2, 5 E) 3, 2, 2, 5

Cevap Anahtarı – Answer Sheet

1.B	2.E	3.B	4.B	5.C	6.A
-----	-----	-----	-----	-----	-----



1.



$$K = \frac{1}{12}$$

$$L = \frac{1}{6}$$

$$M = \frac{1}{24}$$

$$N = \frac{5}{24}$$

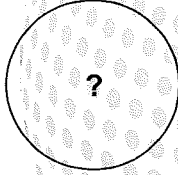
$$P = \frac{1}{4}$$

$$R = ?$$

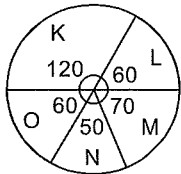
- A) $\frac{1}{5}$ B) $\frac{1}{4}$ C) $\frac{1}{2}$ D) $\frac{3}{4}$ E) $\frac{5}{4}$

2.

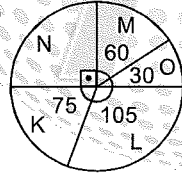
$$\left. \begin{array}{l} K = 5 \\ L = 7 \\ M = 4 \\ N = 6 \\ O = 2 \end{array} \right\} \Rightarrow$$



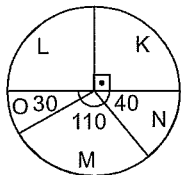
A)



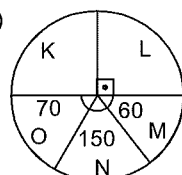
B)



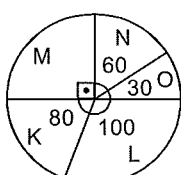
C)



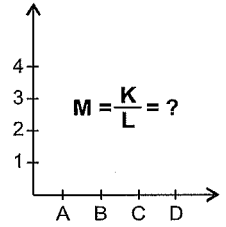
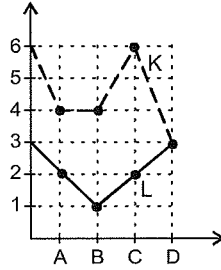
D)



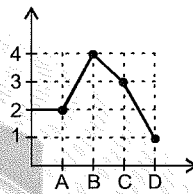
E)



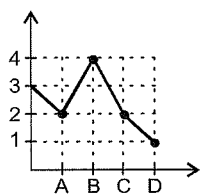
3.



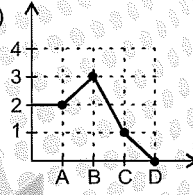
A)



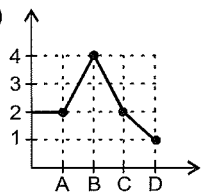
B)



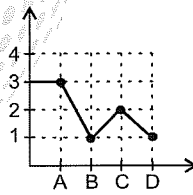
C)



D)



E)

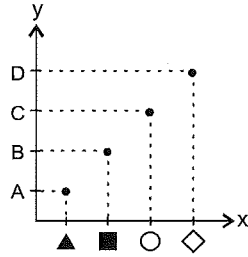




4.

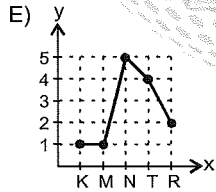
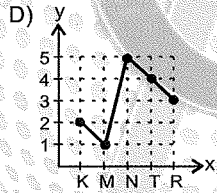
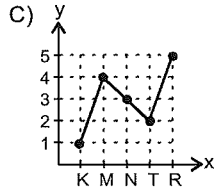
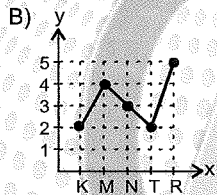
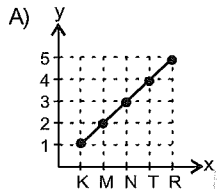
x	▲	■	○	◇
y	A	B	C	D

⇒



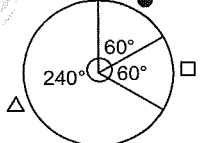
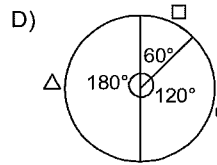
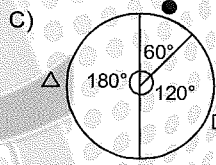
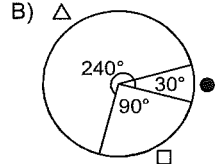
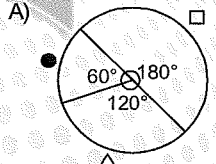
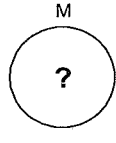
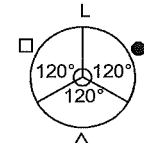
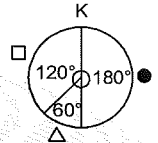
x	K	T	N	M	R
y	1	2	3	4	5

⇒ ?



5.

K	L	M
●	△	△
△	△	△
●	□	●
●	□	□
□	●	△
□	●	△

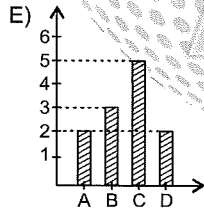
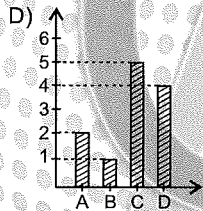
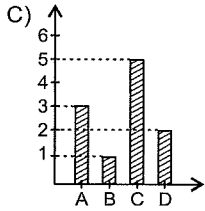
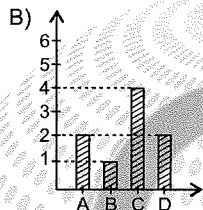
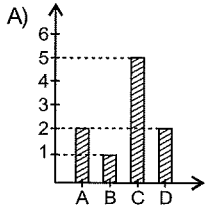
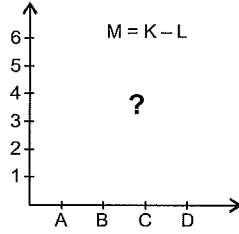
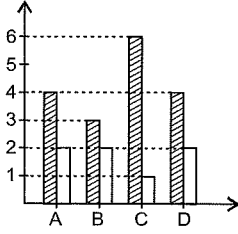


Cevap Anahtarı – Answer Sheet

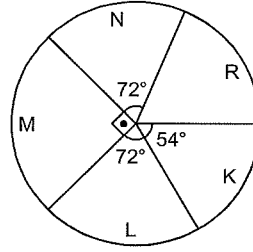
1.B	2.B	3.A	4.C	5.E
-----	-----	-----	-----	-----



1. $\text{■} = K$ $\text{□} = L$



2.



K = ?

L = ?

M = ?

N = ?

R = ?

A) 3, 3, 4, 3, 4

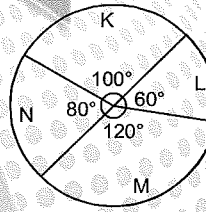
B) 4, 3, 6, 2, 6

C) 3, 2, 3, 2, 7

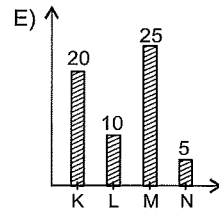
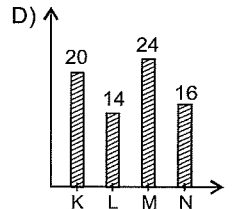
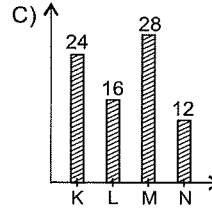
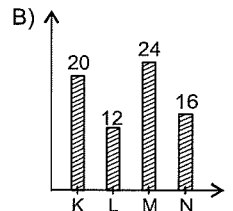
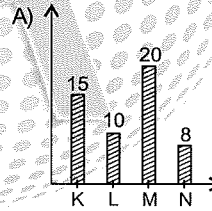
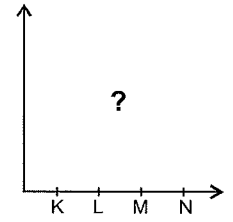
D) 3, 4, 5, 4, 5

E) 3, 4, 5, 4, 4

3.

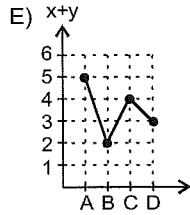
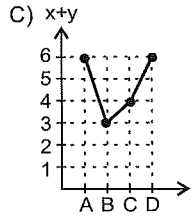
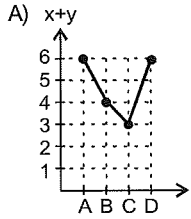
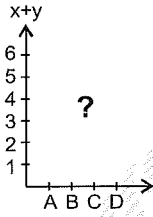
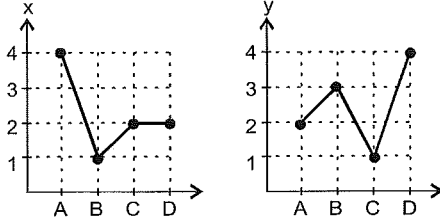


$$K + L + M + N = 72$$

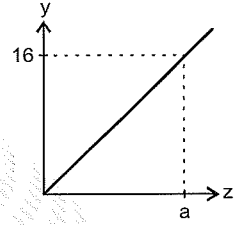
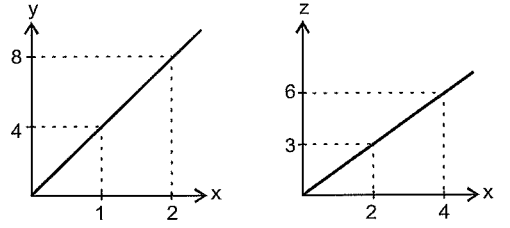




4.

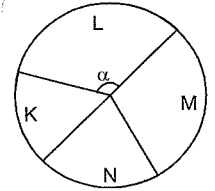
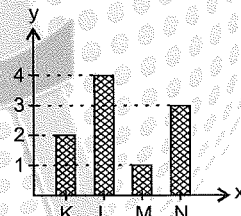


5.



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

6.



$\alpha = ?$

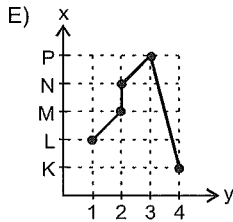
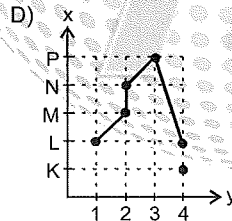
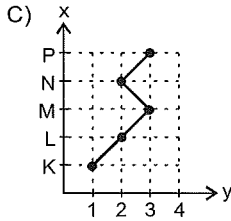
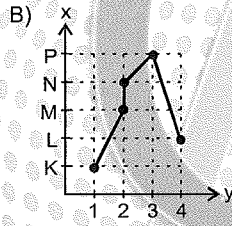
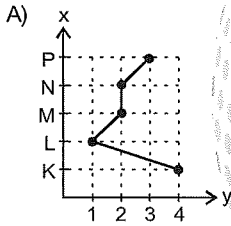
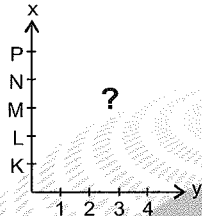
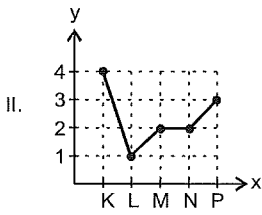
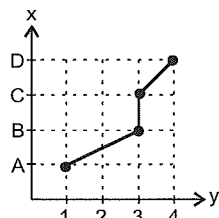
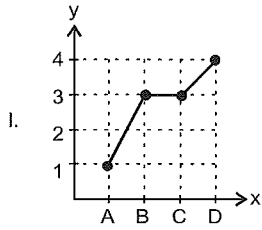
A) 18 B) 36 C) 72 D) 144 E) 288

Cevap Anahtarı – Answer Sheet

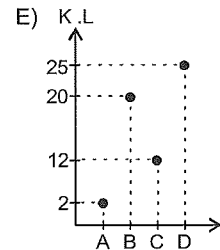
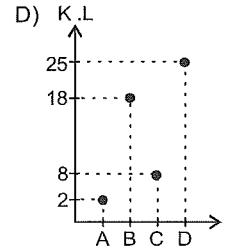
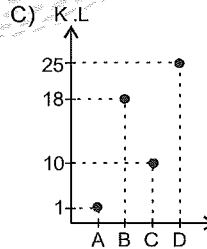
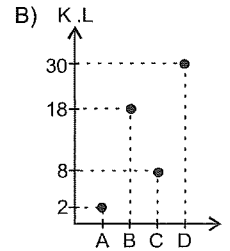
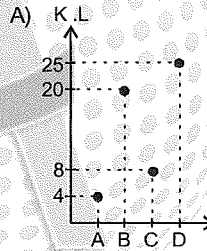
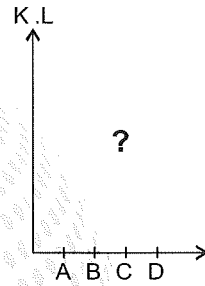
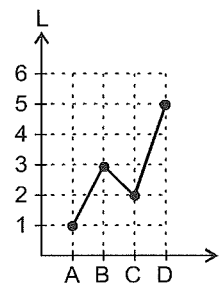
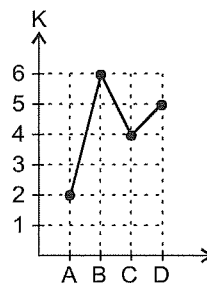
1.A	2.E	3.B	4.A	5.B	6.D
-----	-----	-----	-----	-----	-----

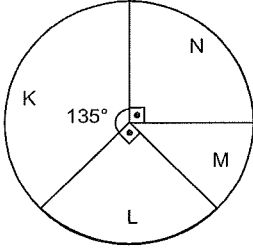


1.

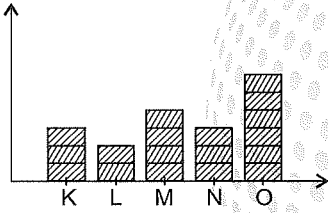


2.



**3.** $K, L, M, N \Rightarrow ?$

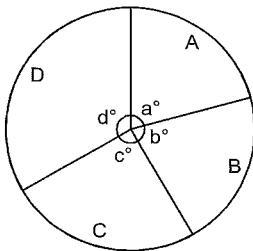
- A) 2, 2, 1, 2 B) 3, 1, 2, 2 C) 3, 2, 2, 2
D) 2, 3, 1, 2 E) 3, 2, 1, 2

4.

$$K + L + M + N + O = 72$$

 $L = ?$

- A) 8 B) 12 C) 16 D) 18 E) 24

5.

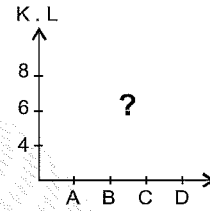
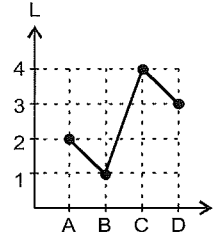
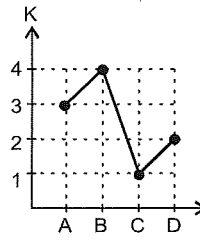
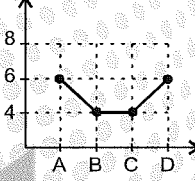
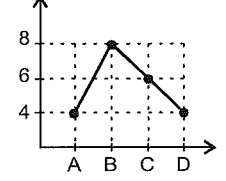
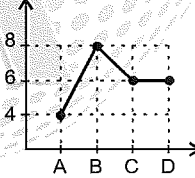
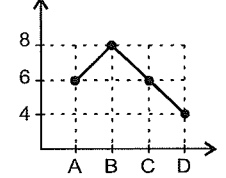
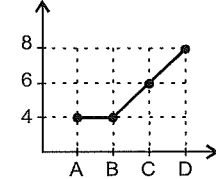
$$a^\circ = \% 20$$

$$b^\circ = 48^\circ$$

$$c^\circ = \% 40$$

$$d^\circ = ?$$

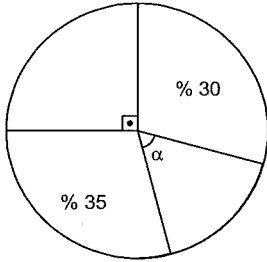
- A) 62° B) 74° C) 85° D) 96° E) 150°

6.**A) K . L****B) K . L****C) K . L****D) K . L****E) K . L****Cevap Anahtarı – Answer Sheet**

1.A	2.D	3.E	4.A	5.D	6.A
-----	-----	-----	-----	-----	-----



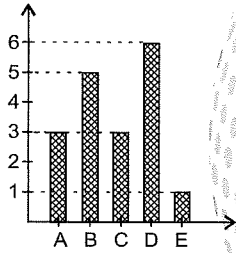
1.



$$\Rightarrow \alpha = ?$$

- A) 24 B) 30 C) 36 D) 45 E) 54

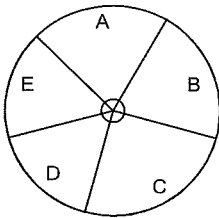
2.



$$x^\circ + w^\circ = ?$$

- A) 120° B) 150° C) 180° D) 210° E) 240°

3.



$$A + C = 146^\circ$$

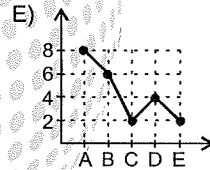
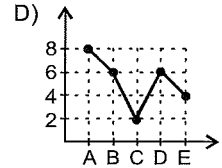
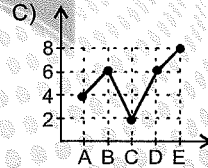
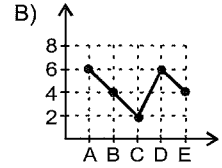
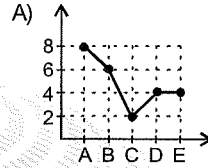
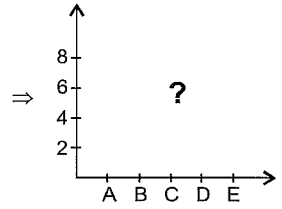
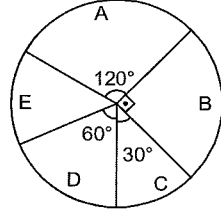
$$A + B + D = 194^\circ$$

$$B + C + D = 232^\circ$$

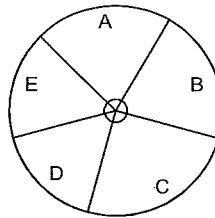
$$E = ?$$

- A) 60 B) 62 C) 72 D) 74 E) 88

4.



5.



$$A + C = B + D$$

$$E = 72^\circ$$

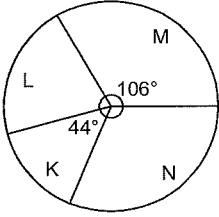
$$A + B + C = 212^\circ$$

$$D = ?$$

- A) 60° B) 68° C) 72° D) 76° E) 84°



6.

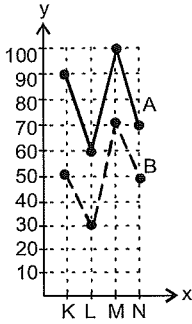


$$K = \frac{2}{3} \cdot L$$

$$N = ?$$

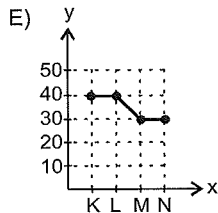
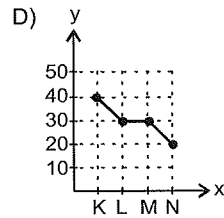
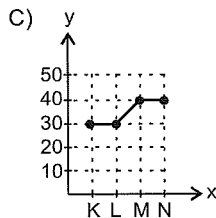
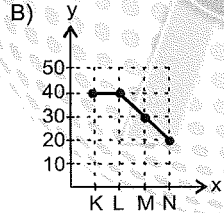
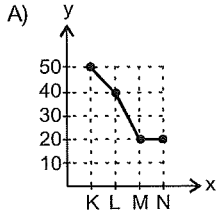
- A) 72 B) 108 C) 126 D) 144 E) 150

7.

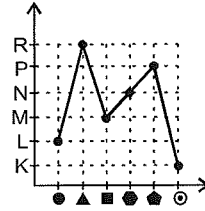


$$A - B = C$$

$$C = ?$$



8.



$$\Rightarrow$$

?	?	?	?	?	?
K	L	M	N	P	R

A)

●	▲	■	⬢	⬠	⊙
K	L	M	N	P	R

B)

⊙	●	■	⬠	⬢	▲
K	L	M	N	P	R

C)

●	⊙	■	▲	⬢	⬠
K	L	M	N	P	R

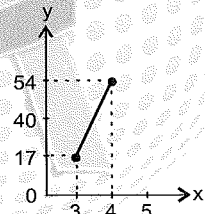
D)

⊙	●	■	⬢	⬠	▲
K	L	M	N	P	R

E)

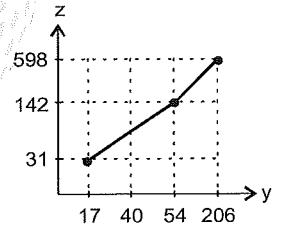
⊙	▲	●	⬠	⬢	■
K	L	M	N	P	R

9.



$$x = 7$$

$$z = ?$$



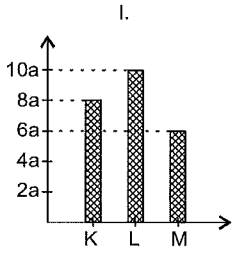
- A) 323 B) 462 C) 576 D) 824 E) 979

Cevap Anahtarı – Answer Sheet

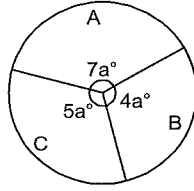
1.C	2.C	3.D	4.A	5.D
6.D	7.D	8.D	9.E	



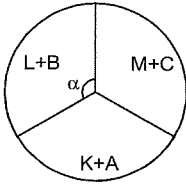
1.



II.



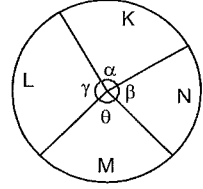
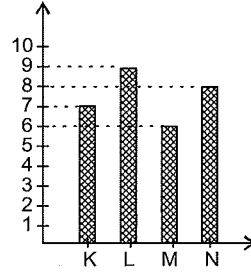
III.



$\alpha = ?^\circ$

- A) 90° B) 108° C) 117° D) 126° E) 135°

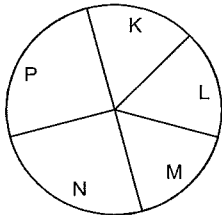
3.



$\alpha = ?^\circ, \beta = ?^\circ, \theta = ?^\circ, \gamma = ?^\circ$

	α	β	θ	γ
A)	84	72	96	108
B)	90	105	75	90
C)	96	84	108	72
D)	96	84	72	108
E)	84	96	72	108

2.



$L = \%35$

$M = 75^\circ$

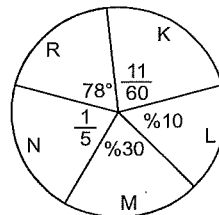
$P = \frac{11}{40}$

$N - K = 8^\circ$

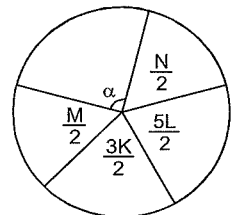
$K = ?^\circ$

- A) 26° B) 62° C) 70° D) 72° E) 81°

4.



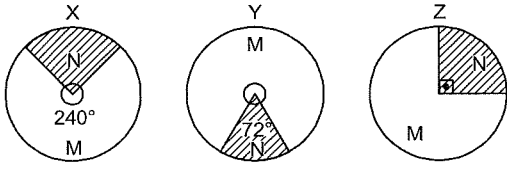
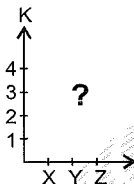
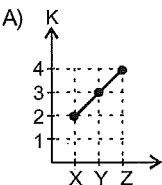
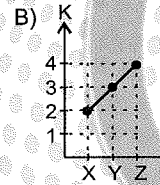
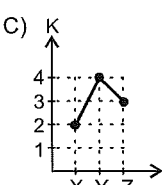
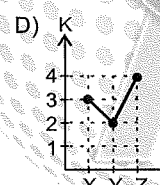
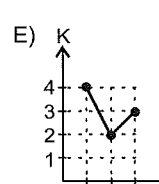
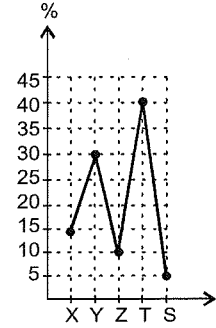
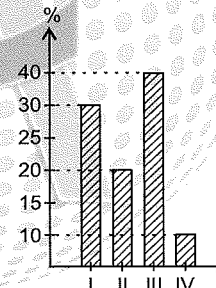
$\Rightarrow$



$\alpha = ?$

- A) 45° B) 66° C) 75° D) 81° E) 90°



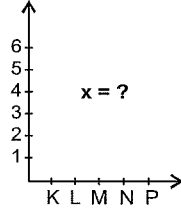
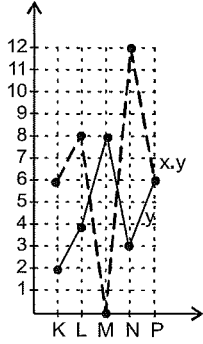
5. 
 $K_x = \frac{M_x}{N_x}$ $K_y = \frac{M_y}{N_y}$ $K_z = \frac{M_z}{N_z}$
- 
- A)  B) 
- C)  D) 
- E) 
6. 
 $X = ?^\circ$, $Y = ?^\circ$, $Z = ?^\circ$, $T = ?^\circ$, $S = ?^\circ$
- | | X | Y | Z | T | S |
|----|-----|------|-----|------|-----|
| A) | 54° | 126° | 36° | 144° | 18° |
| B) | 36° | 108° | 72° | 126° | 18° |
| C) | 54° | 126° | 54° | 162° | 36° |
| D) | 54° | 108° | 36° | 144° | 18° |
| E) | 36° | 108° | 54° | 144° | 36° |
7. 
 $x^\circ, y^\circ, z^\circ, t^\circ \Rightarrow ?$
- A) 108, 72, 36, 144 B) 108, 72, 144, 36
C) 90, 108, 180, 60 D) 72, 180, 140, 160
E) 108, 44, 72, 36

Cevap Anahtarı – Answer Sheet

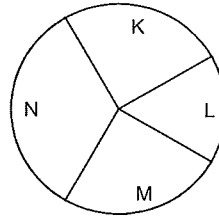
1.D	2.A	3.E	4.D	5.C
6.D	7.B			



1.



2.



$$K = \frac{1}{5}$$

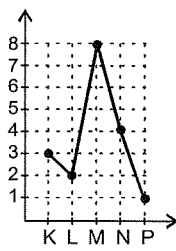
$$M = \frac{5}{36}$$

$$N - L = 142^\circ$$

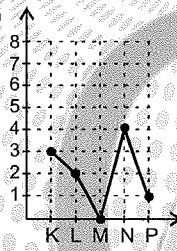
$$L = ?^\circ$$

- A) 36° B) 48° C) 50° D) 54° E) 60°

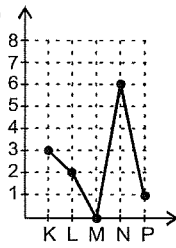
A)



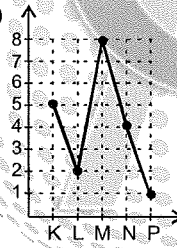
B)



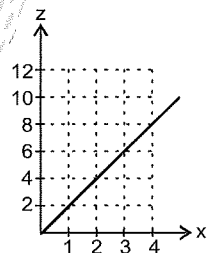
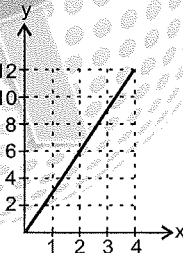
C)



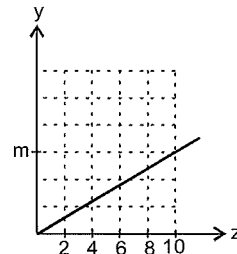
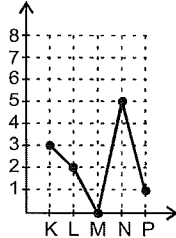
D)



3.



E)

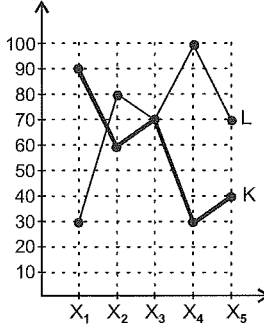


$$m = ?$$

- A) 4 B) 6 C) 8 D) 10 E) 15



4.



$$X_1 : K ? L$$

$$X_2 : K ? L$$

$$X_3 : K ? L$$

$$X_4 : K ? L$$

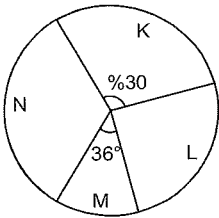
$$X_5 : K ? L$$

Yukarıdaki grafikte X_1, X_2, X_3 ve X_4 değişkenlerinden K ile L arasındaki ilişki aşağıdakilerden hangisinde doğru olarak verilmiştir?

Above the graph what is the relationship between K and L the X_1, X_2, X_3 and X_4 ?

- | | X_1 | X_2 | X_3 | X_4 | X_5 |
|----|---------|---------|---------|---------|---------|
| A) | $K > L$ | $K < L$ | $K = L$ | $K > L$ | $K < L$ |
| B) | $K < L$ | $K < L$ | $K = L$ | $K < L$ | $K > L$ |
| C) | $K > L$ | $K = L$ | $K < L$ | $K < L$ | $K < L$ |
| D) | $K > L$ | $K < L$ | $K = L$ | $K < L$ | $K < L$ |
| E) | $K < L$ | $K < L$ | $K = L$ | $K < L$ | $K < L$ |

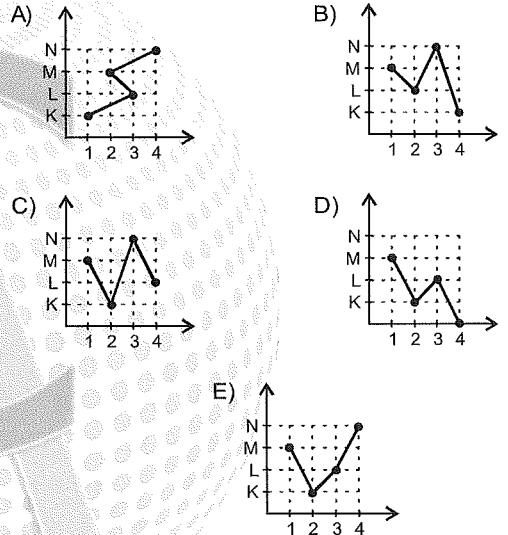
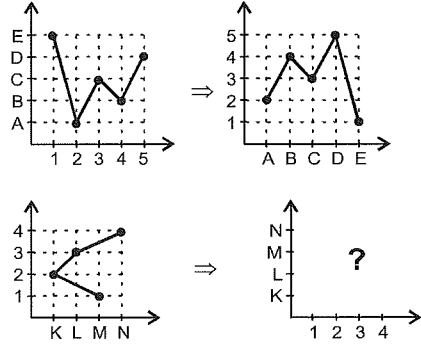
5.



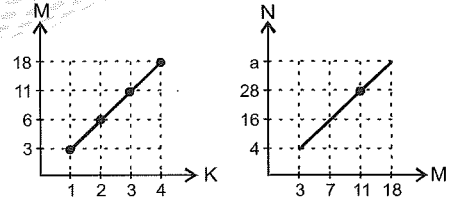
$$\frac{L+N}{K+M} = ?$$

- A) 1 B) $\frac{1}{2}$ C) $\frac{1}{3}$ D) $\frac{2}{3}$ E) $\frac{3}{2}$

6.



7.



$$a = ?$$

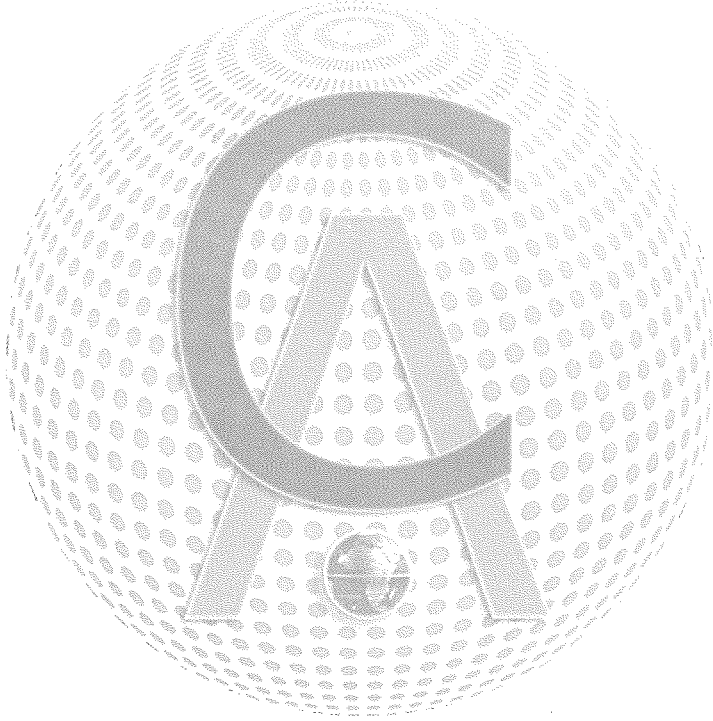
- A) 32 B) 36 C) 48 D) 49 E) 54

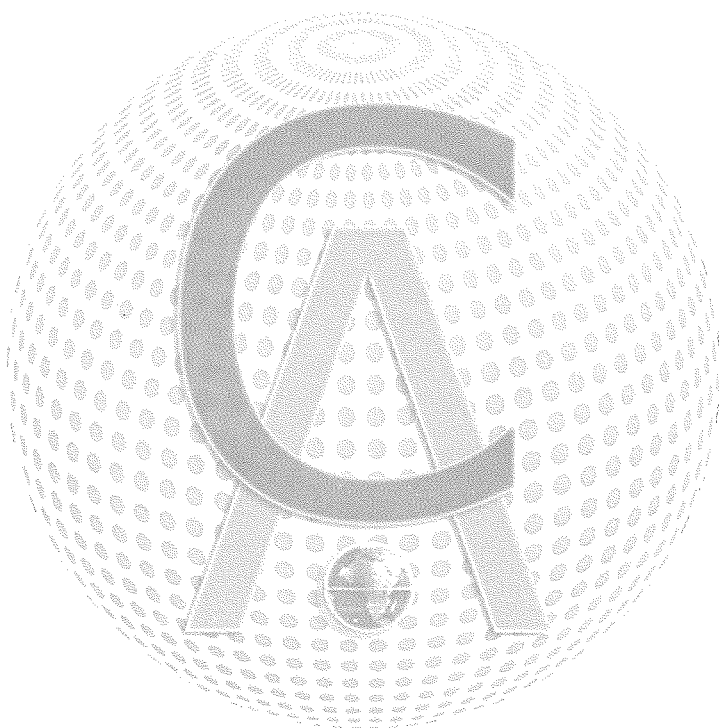
Cevap Anahtarı – Answer Sheet

1.B	2.B	3.E	4.D	5.E
6.E	7.D			

11. BÖLÜM

İŞLEM TABLOSU







△	#	★	♡	⊗	+	⊙
#	⊙	#	♡	+	★	⊗
★	♡	+	★	⊗	⊙	#
♡	★	⊙	⊗	♡	#	+
⊗	#	⊗	+	★	♡	⊙
+	+	♡	⊙	#	⊗	★
⊙	⊗	★	#	⊙	+	♡

⊙	□	△	○	■	▲	●
□	●	□	○	▲	△	■
△	○	▲	△	■	●	□
○	△	●	■	○	□	▲
■	□	■	▲	△	○	●
▲	▲	○	●	□	■	△
●	■	△	□	●	▲	○

1. $[(★△♡)△(⊗△\#)]△[(⊙△♡)△(★△★)] = ?$

- A) # B) ⊙ C) ★ D) + E) ♡

5. $[(■⊙○)⊙(●⊙△)]⊙▲ = ?$

- A) △ B) ● C) □ D) ▲ E) ■

2. $\{(\#△\#)△[(?)△+]\}△[(+△♡)△♡] = ★$

- A) (#△★) B) (♡△+) C) (⊗△+) D) (♡△#) E) (+△★)

6. $\{(\triangle⊙▲)⊙[(?)⊙■]\}⊙[(●⊙●)⊙□] = ○$

- A) (○⊙□) B) (●⊙▲) C) (△⊙●) D) (○⊙△) E) (■⊙■)

3. $[(♡△♡)△(+△+)]△(?) = ♡$

- A) (♡△#) B) (⊗△+) C) (⊗△#) D) (⊙△★) E) (♡△⊙)

7. $[(○⊙○)⊙(▲⊙○)]⊙(□⊙△) = ?$

- A) (△⊙■) B) (○⊙■) C) (▲⊙△) D) (●⊙○) E) (■⊙■)

4. $[(+△\#)△(★△★)]△[(♡△+)△⊙] = ?$

- A) ♡ B) + C) ⊗ D) ★ E) #

8. $[(△⊙●)⊙(▲⊙▲)]⊙(?) = ■$

- A) ○ B) □ C) ▲ D) △ E) ●



$\otimes$	1	2	3	4	5	6
1	4	2	1	6	5	3
2	5	3	6	1	4	2
3	1	4	5	2	3	6
4	2	6	4	3	1	5
5	3	5	2	4	6	1
6	6	1	3	5	2	4

∇	α	$\square$	$\odot$	$\neq$	$\star$	$\times$
α	$\times$	α	$\odot$	$\star$	$\square$	$\neq$
$\square$	$\odot$	$\star$	$\square$	$\neq$	$\times$	α
$\odot$	$\square$	$\times$	$\neq$	$\odot$	α	$\star$
$\neq$	α	$\neq$	$\star$	$\square$	$\odot$	$\times$
$\star$	$\star$	$\odot$	$\times$	α	$\neq$	$\square$
$\times$	$\neq$	$\square$	α	$\times$	$\star$	$\odot$

9. $[(4 \otimes 1) \otimes (3 \otimes 6)] \otimes [(?) \otimes (5 \otimes 2)] = 3$

- A) $(1 \otimes 3)$ B) $(4 \otimes 5)$ C) $(2 \otimes 3)$
D) $(5 \otimes 4)$ E) $(6 \otimes 3)$

10. $[(3 \otimes 2) \otimes 1] \otimes [(4 \otimes 6) \otimes (5 \otimes 1)] = ?$

- A) $(5 \otimes 3)$ B) $(4 \otimes 2)$ C) $(3 \otimes 5)$
D) $(6 \otimes 1)$ E) $(4 \otimes 6)$

11. $[(1 \otimes 5) \otimes (2 \otimes 3)] \otimes [(? \otimes 4) \otimes 6] = 2$

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

12. $[(5 \otimes 6) \otimes (3 \otimes 2)] \otimes (1 \otimes 2) = ?$

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

13. $[\alpha \nabla (\times \nabla \square)] \nabla [(\odot \nabla \star) \nabla ?] = \neq$

- A) $(\odot \nabla \star)$ B) $(\times \nabla \neq)$ C) $(\star \nabla \square)$
D) $(\alpha \nabla \times)$ E) $(\neq \nabla \odot)$

14. $[(\times \nabla \star) \nabla (\neq \nabla \alpha)] \nabla [(\square \nabla \odot) \nabla \star] = ?$

- A) $\star$ B) $\neq$ C) $\times$ D) $\odot$ E) $\square$

15. $(\alpha \nabla \neq) \nabla [(\neq \nabla \square) \nabla \odot] = ?$

- A) $(\alpha \nabla \neq)$ B) $(\square \nabla \times)$ C) $(\neq \nabla \star)$
D) $(\odot \nabla \times)$ E) $(\times \nabla \alpha)$

16. $[(\alpha \nabla \odot) \nabla (\star \nabla \neq)] \nabla (?) = (\times \nabla \square)$

- A) α B) $\square$ C) $\odot$ D) $\neq$ E) $\star$

Cevap Anahtarı – Answer Sheet

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



■	∅	≠	◆	⊙	⊠	*
∅	*	∅	◆	⊠	≠	⊙
≠	◆	⊠	≠	⊙	*	∅
◆	≠	*	⊙	◆	∅	⊠
⊙	∅	⊙	⊠	≠	◆	*
⊠	⊠	◆	*	∅	⊙	≠
*	⊙	≠	∅	*	⊠	◆

■	∂	⊙	⊕	△	⊗	↵
∂	↵	∂	⊕	⊗	⊙	△
⊙	⊕	⊗	⊙	△	↵	∂
⊕	⊙	↵	△	⊕	∂	⊗
△	∂	△	⊗	⊙	⊕	↵
⊗	⊗	⊕	↵	∂	△	⊙
↵	△	⊙	∂	↵	⊗	⊕

1. $(\odot \cdot *) \cdot \neq \cdot [(\emptyset \cdot \blacklozenge) \cdot (* \cdot \neq)] = ?$

- A) $\emptyset$ B) $\blacklozenge$ C) $\neq$ D) $\odot$ E) $\boxtimes$

2. $\{ * \cdot [(\neq \cdot \odot) \cdot \blacklozenge] \} \cdot (?) = (\emptyset \cdot \boxtimes)$

- A) $\odot$ B) $*$ C) $\boxtimes$ D) $\neq$ E) $\emptyset$

3. $(\odot \cdot \emptyset) \cdot \{ (?) \cdot [(\boxtimes \cdot *) \cdot \blacklozenge] \} = \neq$

- A) $(\odot \cdot \blacklozenge)$ B) $(\emptyset \cdot \boxtimes)$ C) $(\neq \cdot *)$
D) $(\odot \cdot \emptyset)$ E) $(\boxtimes \cdot \odot)$

4. $[(\neq \cdot \emptyset) \cdot (\blacklozenge \cdot \boxtimes)] \cdot \odot = ?$

- A) $(\emptyset \cdot \neq)$ B) $(\odot \cdot \boxtimes)$ C) $(\boxtimes \cdot *)$
D) $(\neq \cdot \neq)$ E) $(* \cdot \emptyset)$

5. $\oplus \cdot \{ [(\partial \cdot \odot) \cdot \triangle] \cdot (\zeta \cdot ?) \} = \otimes$

- A) $(\odot \cdot \triangle)$ B) $(\oplus \cdot \otimes)$ C) $(\zeta \cdot \zeta)$
D) $(\otimes \cdot \oplus)$ E) $(\partial \cdot \triangle)$

6. $(\otimes \cdot \oplus) \cdot \{ [\triangle \cdot (\partial \cdot \zeta)] \cdot (?) \} = (\triangle \cdot \zeta)$

- A) ∂ B) $\odot$ C) $\triangle$ D) $\otimes$ E) $\oplus$

7. $[(\otimes \cdot \triangle) \cdot \oplus] \cdot [(\zeta \cdot \triangle) \cdot (\odot \cdot \partial)] = ?$

- A) $(\triangle \cdot \oplus)$ B) $(\otimes \cdot \partial)$ C) $(\odot \cdot \oplus)$
D) $(\zeta \cdot \oplus)$ E) $(\otimes \cdot \odot)$

8. $[\zeta \cdot (\odot \cdot \oplus)] \cdot \triangle = ?$

- A) ζ B) ∂ C) $\oplus$ D) $\otimes$ E) $\triangle$



■	≡	⇔	≤	ℓ	⊂	β
≡	β	≡	≤	⊂	⇔	ℓ
⇔	≤	⊂	⇔	ℓ	β	≡
≤	⇔	β	ℓ	≤	≡	⊂
ℓ	≡	ℓ	⊂	⇔	≤	β
⊂	⊂	≤	β	≡	ℓ	⇔
β	ℓ	⇔	≡	β	⊂	≤

•	∩	∞	∃	⊃	×	▲
∩	▲	∩	∃	×	∞	⊃
∞	∃	×	∞	⊃	▲	∩
∃	∞	▲	⊃	∃	∩	×
⊃	∩	⊃	×	∞	∃	▲
×	×	∃	▲	∩	⊃	∞
▲	⊃	∞	∩	▲	×	∃

9. $[(\equiv \blacksquare \ell) \blacksquare \subset] \blacksquare [(\beta \blacksquare \leq) \blacksquare \Leftrightarrow] = ?$

- A) $(\Leftrightarrow \blacksquare \leq)$ B) $(\ell \blacksquare \equiv)$ C) $(\subset \blacksquare \beta)$
D) $(\leq \blacksquare \ell)$ E) $(\beta \blacksquare \subset)$

10. $\left\{ \subset \blacksquare [(\equiv \blacksquare \Leftrightarrow) \blacksquare \ell] \right\} \blacksquare (?) = (\beta \blacksquare \Leftrightarrow)$

- A) $\equiv$ B) $\Leftrightarrow$ C) $\leq$ D) ℓ E) $\subset$

11. $\left\{ \ell \blacksquare [(\leq \blacksquare \leq) \blacksquare \subset] \right\} \blacksquare (\beta \blacksquare \equiv) = ?$

- A) $(\Leftrightarrow \blacksquare \subset)$ B) $(\ell \blacksquare \beta)$ C) $(\leq \blacksquare \subset)$
D) $(\equiv \blacksquare \equiv)$ E) $(\beta \blacksquare \Leftrightarrow)$

12. $\left\{ (\leq \blacksquare \Leftrightarrow) \blacksquare [(\subset \blacksquare \beta) \blacksquare \equiv] \right\} \blacksquare (?) = \subset$

- A) $\Leftrightarrow$ B) β C) $\subset$ D) $\equiv$ E) ℓ

13. $[\exists \bullet (\infty \bullet \cap)] \bullet [(X \bullet \supset) \bullet \blacktriangle] = ?$

- A) $(\infty \bullet \supset)$ B) $(\supset \bullet \blacktriangle)$ C) $(\exists \bullet \cap)$
D) $(X \bullet \supset)$ E) $(\cap \bullet \supset)$

14. $[(X \bullet \blacktriangle) \bullet \exists] \bullet (\infty \bullet ?) = (\supset \bullet \cap)$

- A) ∞ B) $\blacktriangle$ C) $\supset$ D) $\exists$ E) $\times$

15. $\blacktriangle \bullet \left\{ [(X \bullet \exists) \bullet \infty] \bullet \cap \right\} = ?$

- A) $(X \bullet \infty)$ B) $(\cap \bullet \supset)$ C) $(\blacktriangle \bullet X)$
D) $(\cap \bullet \infty)$ E) $(\cap \bullet X)$

16. $[(\cap \bullet \cap) \bullet (\supset \bullet \cap)] \bullet (\blacktriangle \bullet ?) = \times$

- A) $\cap$ B) ∞ C) $\exists$ D) $\times$ E) $\blacktriangle$

Cevap Anahtarı – Answer Sheet

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



○	▲	☒	◀	⇒	∈	—
▲	—	▲	◀	∈	☒	⇒
☒	◀	∈	☒	⇒	—	▲
◀	☒	—	⇒	◀	▲	∈
⇒	▲	⇒	∈	☒	◀	—
∈	∈	◀	—	▲	⇒	☒
—	⇒	☒	▲	—	∈	◀

#	A	B	C	D	E	F
A	F	A	C	E	B	D
B	C	E	B	D	F	A
C	B	F	D	C	A	E
D	A	D	E	B	C	F
E	E	C	F	A	D	B
F	D	B	A	F	E	C

1. $(\blacktriangle \circ \Rightarrow) \circ \left\{ \left[(\boxtimes \circ \blacktriangleleft) \circ (- \circ \in) \right] \circ \Rightarrow \right\} = ?$

- A) $\blacktriangle$ B) $\Rightarrow$ C) $\blacktriangleleft$ D) $—$ E) $\boxtimes$

2. $\left\{ \boxtimes \circ \left[(\blacktriangle \circ \blacktriangleleft) \circ \in \right] \right\} \circ (- \circ \Rightarrow) = ?$

- A) $(\boxtimes \circ \Rightarrow)$ B) $(\blacktriangle \circ \in)$ C) $(\blacktriangle \circ \blacktriangle)$
D) $(\Rightarrow \circ —)$ E) $(\Rightarrow \circ \blacktriangleleft)$

3. $\left\{ \Rightarrow \circ \left[(- \circ \in) \circ (\boxtimes \circ \blacktriangleleft) \right] \right\} \circ (?) = \blacktriangle$

- A) $—$ B) $\blacktriangle$ C) $\boxtimes$ D) $\in$ E) $\Rightarrow$

4. $(- \circ \blacktriangle) \circ \left[(\blacktriangleleft \circ \in) \circ (\Rightarrow \circ ?) \right] = (\boxtimes \circ \in)$

- A) $(\boxtimes \circ \blacktriangleleft)$ B) $(\blacktriangleleft \circ \in)$ C) $(- \circ —)$
D) $(\in \circ \blacktriangle)$ E) $(\Rightarrow \circ \in)$

5. $\left[(A \# C) \# (A \# E) \right] \# \left[F \# (E \# A) \right] = ?$

- A) $(B \# E)$ B) $(D \# C)$ C) $(F \# B)$
D) $(C \# A)$ E) $(A \# F)$

6. $(B \# C) \# \left\{ \left[(F \# C) \# D \right] \# (?) \right\} = (A \# F)$

- A) E B) D C) C D) B E) A

7. $\left\{ A \# \left[(F \# A) \# B \right] \right\} \# (C \# ?) = A$

- A) $(B \# A)$ B) $(C \# E)$ C) $(B \# B)$
D) $(C \# A)$ E) $(E \# D)$

8. $\left[(D \# C) \# B \right] \# \left[(A \# A) \# (E \# F) \right] = ?$

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



●	◆	∅	△	⇒	♥	Π
◆	Π	◆	△	♥	∅	⇒
∅	△	♥	∅	⇒	Π	◆
△	∅	Π	⇒	△	◆	♥
⇒	◆	⇒	♥	∅	△	Π
♥	♥	△	Π	◆	⇒	∅
Π	⇒	∅	◆	Π	♥	△

×	Σ	⊕	≥	☑	※	●
Σ	●	Σ	≥	※	⊕	☑
⊕	≥	※	⊕	☑	●	Σ
≥	⊕	●	☑	≥	Σ	※
☑	Σ	☑	※	⊕	≥	●
※	※	≥	●	Σ	☑	⊕
●	☑	⊕	Σ	●	※	≥

9. $[(\Rightarrow \bullet \heartsuit) \bullet \emptyset] \bullet (\triangle \bullet \spadesuit) = ?$

- A) Π B) $\spadesuit$ C) $\triangle$ D) $\emptyset$ E) $\Rightarrow$

10. $[\Pi \bullet (\heartsuit \bullet \triangle)] \bullet [(\spadesuit \bullet \Rightarrow) \bullet (?)] = \emptyset$

- A) $(\triangle \bullet \emptyset)$ B) $(\Rightarrow \bullet \triangle) \bullet \heartsuit$
 C) $(\Pi \bullet \spadesuit) \bullet \triangle$ D) $(\heartsuit \bullet \triangle)$
 E) $(\emptyset \bullet \emptyset)$

11. $[(\spadesuit \bullet \emptyset) \bullet (\triangle \bullet \heartsuit)] \bullet [(\Rightarrow \bullet \Pi) \bullet (?)] = \heartsuit$

- A) $(\heartsuit \bullet \triangle)$ B) $(\emptyset \bullet \Rightarrow)$ C) $(\Rightarrow \bullet \Pi)$
 D) $(\heartsuit \bullet \heartsuit)$ E) $(\Rightarrow \bullet \triangle)$

12. $[(\heartsuit \bullet \triangle) \bullet \emptyset] \bullet [(\triangle \bullet \spadesuit) \bullet (\Rightarrow \bullet \Rightarrow)] = ?$

- A) $(\Pi \bullet \heartsuit)$ B) $(\triangle \bullet \triangle)$ C) $(\Pi \bullet \Rightarrow)$
 D) $(\emptyset \bullet \triangle)$ E) $(\heartsuit \bullet \Rightarrow)$

13. $[(\Sigma \times \geq) \times (\times \times \square)] \times (?) = \oplus$

- A) $\bullet$ B) $\square$ C) $\oplus$ D) $\geq$ E) Σ

14. $(\oplus \times \square) \times [(\geq \times \bullet) \times \times] = ?$

- A) $(\geq \times \oplus)$ B) $(\times \times \geq)$ C) $(\square \times \square)$
 D) $(\Sigma \times \oplus)$ E) $(\Sigma \times \square)$

15. $[\bullet \times (\times \times \Sigma)] \times [(\geq \times \square) \times \oplus] = ?$

- A) Σ B) $\oplus$ C) $\geq$ D) $\square$ E) $\times$

16. $\Sigma \times \left\{ [(\geq \times \square) \times (\oplus \times \times)] \times (\Sigma \times ?) \right\} = \square$

- A) $(\geq \times \square)$ B) $(\times \times \bullet)$ C) $(\geq \times \oplus)$
 D) $(\times \times \times)$ E) $(\square \times \Sigma)$

Cevap Anahtarı – Answer Sheet

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



■	★	*	♥	≡	▲	✱
★	♥	≡	★	▲	✱	*
*	≡	♥	✱	*	★	▲
♥	*	▲	≡	★	♥	✱
≡	✱	*	▲	♥	≡	★
▲	★	✱	*	≡	▲	♥
✱	▲	★	♥	✱	*	≡

⊕	#	⊗	α	∞	β	ℓ
#	α	∞	#	β	ℓ	⊗
⊗	∞	α	ℓ	⊗	#	β
α	⊗	β	∞	#	α	ℓ
∞	ℓ	⊗	β	α	∞	#
β	#	ℓ	⊗	∞	β	α
ℓ	β	#	α	ℓ	⊗	∞

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. $[(α ⊕ ∞) ⊕ (β ⊕ ℓ)] ⊕ # = ?$

- A) # B) ⊗ C) α D) ∞ E) β

6. $(⊗ ⊕ ℓ) ⊕ (∞ ⊕ β) = ?$

- A) ∞ B) β C) ℓ D) α E) ⊗

7. $α ⊕ [(∞ ⊕ #) ⊕ ?] = β$

- A) (⊗ ⊕ α) B) (∞ ⊕ α) C) (β ⊕ ∞)
D) (ℓ ⊕ ⊗) E) (ℓ ⊕ α)

8. $[(β ⊕ ℓ) ⊕ (?)] ⊕ [(# ⊕ ⊗) ⊕ β] = #$

- A) (⊗ ⊕ ∞) B) (α ⊕ α) C) (α ⊕ ∞)
D) (∞ ⊕ α) E) (ℓ ⊕ β)



≠	▲	▼	●	■	△	□
▲	●	■	▲	△	□	▼
▼	■	●	□	▼	▲	△
●	▼	△	■	▲	●	□
■	□	▼	△	●	■	▲
△	▲	□	▼	■	△	●
□	△	▲	●	□	▼	■

#	Π	⊙	⊠	⊕	⊗	●
Π	⊠	⊕	Π	⊕	●	⊙
⊙	⊕	⊠	●	⊙	Π	⊕
⊠	⊙	⊕	⊕	Π	⊠	●
⊕	●	⊙	⊕	⊠	⊕	Π
⊕	Π	●	⊙	⊕	⊕	⊠
●	⊕	Π	⊠	●	⊙	⊕

9. $[(\triangle \neq \blacktriangle) \neq \bullet] \neq [(\blacktriangledown \neq \blacksquare) \neq (\square \neq \blacktriangledown)] = ?$

- A) ● B) △ C) ▲ D) □ E) ■

10. $\{ \bullet \neq [(\blacktriangledown \neq \blacktriangle) \neq \triangle] \} \neq (\square \neq \bullet) = ?$

- A) ▲ B) △ C) ● D) □ E) ■

11. $\{ \blacktriangledown \neq [(?) \neq (\blacktriangle \neq \bullet)] \} \neq (\triangle \neq \square) = \blacksquare$

- A) (▲ ≠ ▼) B) (▼ ≠ ●) C) (● ≠ ■)
D) (● ≠ ●) E) (▼ ≠ ▼)

12. $[(\bullet \neq \triangle) \neq ?] \neq [\square \neq (\blacktriangledown \neq \blacktriangle)] = \triangle$

- A) (▼ ≠ ■) B) (■ ≠ ■) C) (● ≠ ▲)
D) (■ ≠ □) E) (△ ≠ □)

13. $[\odot \# (\Pi \# \oplus)] \# [\bullet \# (\oplus \# \boxtimes)] = ?$

- A) Π B) ⊙ C) ⊠ D) ⊕ E) ⊕

14. $(\boxtimes \# \oplus) \# [\odot \# (\Pi \# \bullet)] = ?$

- A) ⊙ B) Π C) ● D) ⊕ E) ⊕

15. $(?) \# [(\Pi \# \odot) \# \oplus] = \boxtimes$

- A) ● B) ⊠ C) ⊕ D) ⊕ E) Π

16. $(\odot \# \oplus) \# [\bullet \# (? \# \oplus)] = \Pi$

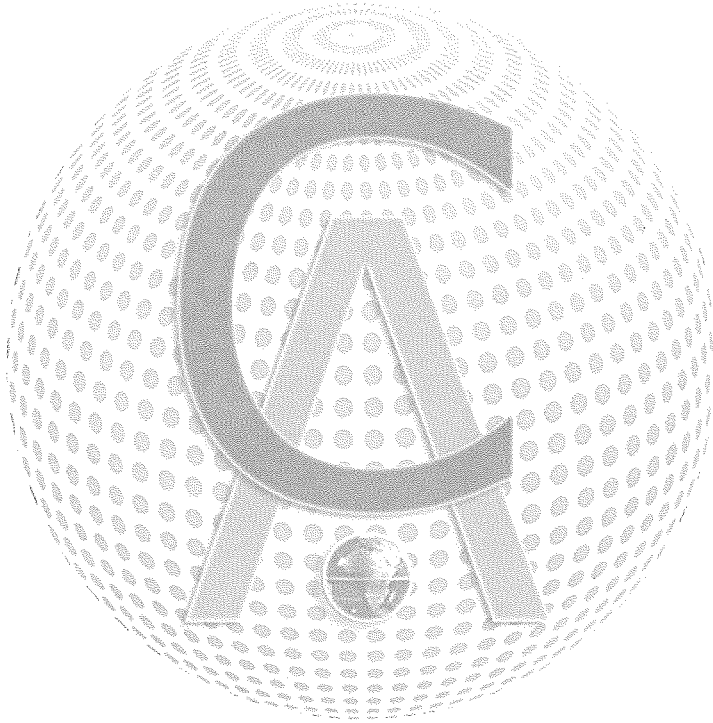
- A) ⊙ B) Π C) ⊠ D) ● E) ⊕

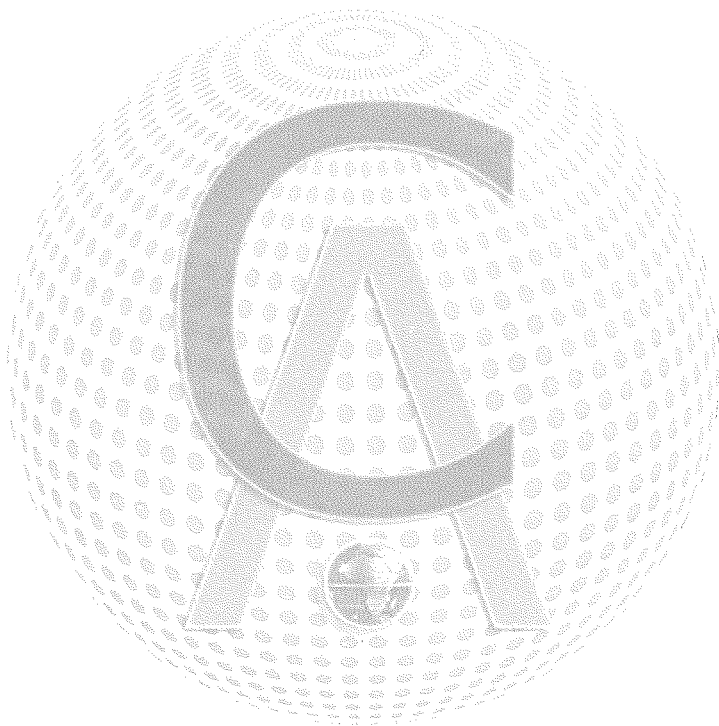
Cevap Anahtarı – Answer Sheet

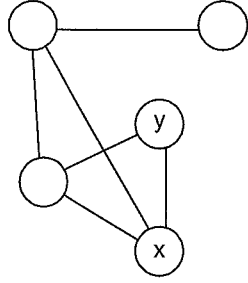
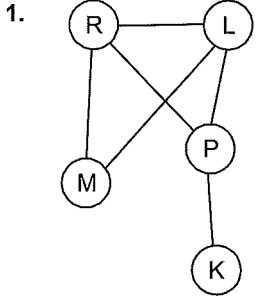
1.A	2.D	3.C	4.D	5.C	6.A	7.B	8.D
9.B	10.A	11.E	12.D	13.C	14.B	15.C	16.A

12. BÖLÜM

ÖRÜNTÜLER

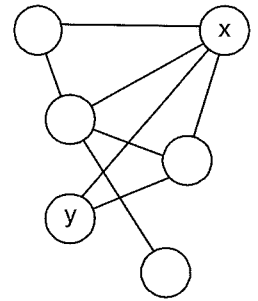
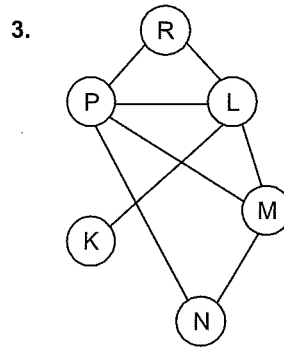






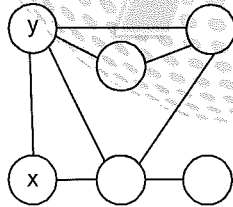
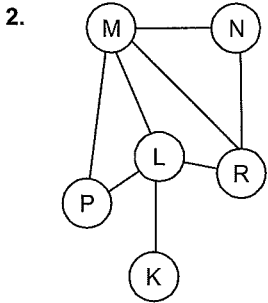
$x = ?$ $y = ?$

	x	y
A)	P	R
B)	L	K
C)	P	M
D)	L	M
E)	L	K



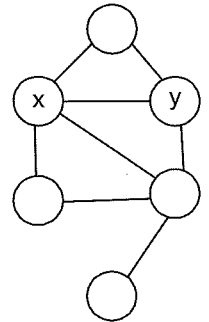
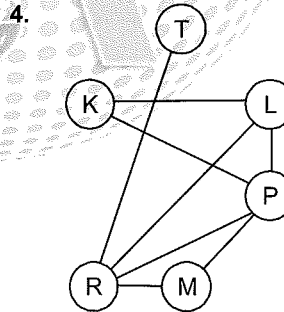
$x = ?$ $y = ?$

	x	y
A)	P	N
B)	K	M
C)	P	R
D)	N	K
E)	L	N



$x = ?$ $y = ?$

	x	y
A)	K	P
B)	M	L
C)	P	M
D)	K	L
E)	R	N

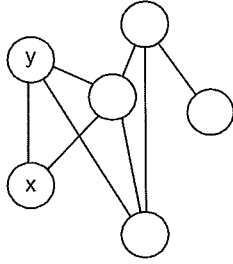
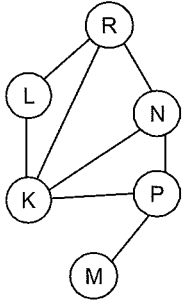


$x = ?$ $y = ?$

	x	y
A)	K	M
B)	P	L
C)	L	N
D)	P	T
E)	M	L

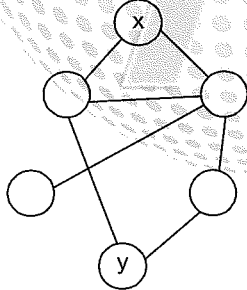
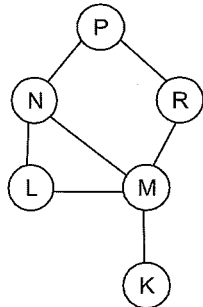


5.

 $x = ?$ $y = ?$

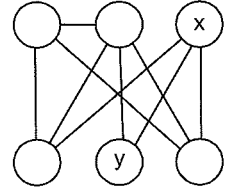
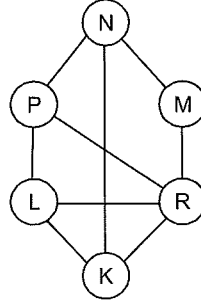
	x	y
A)	L	M
B)	K	R
C)	P	N
D)	N	P
E)	L	R

6.

 $x = ?$ $y = ?$

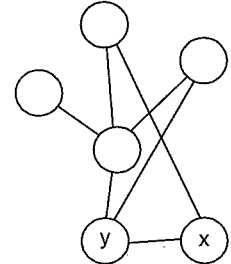
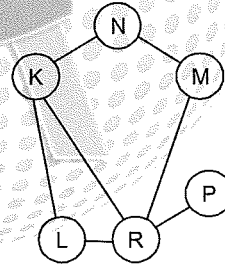
	x	y
A)	P	L
B)	K	P
C)	L	P
D)	N	R
E)	L	N

7.

 $x = ?$ $y = ?$

	x	y
A)	N	P
B)	L	R
C)	N	M
D)	M	K
E)	K	M

8.

 $x = ?$ $y = ?$

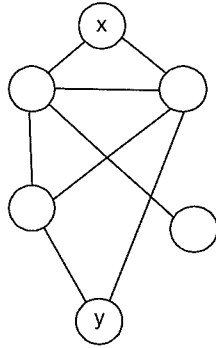
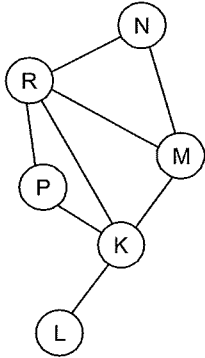
	x	y
A)	N	K
B)	L	M
C)	R	K
D)	N	P
E)	K	N

Cevap Anahtarı – Answer Sheet

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



1.

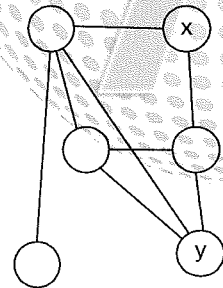
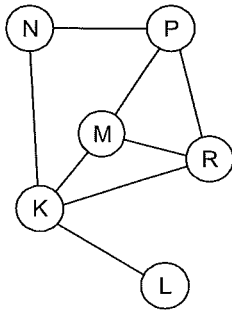


x = ?

y = ?

	x	y
A)	P	N
B)	M	L
C)	K	R
D)	N	P
E)	N	R

2.

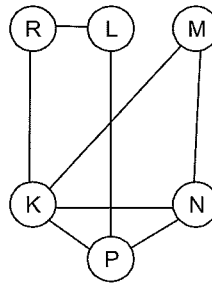


x = ?

y = ?

	x	y
A)	K	N
B)	N	R
C)	M	P
D)	N	P
E)	P	L

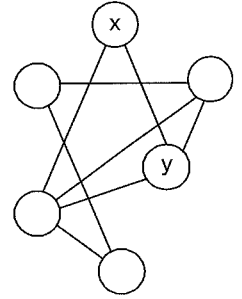
3.



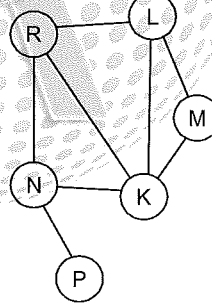
x = ?

y = ?

	x	y
A)	K	L
B)	P	N
C)	M	N
D)	M	R
E)	R	K



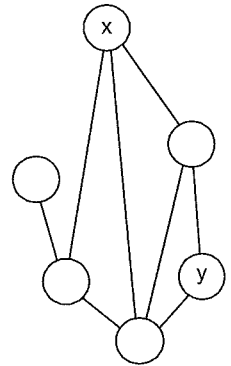
4.



x = ?

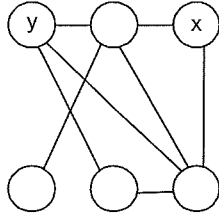
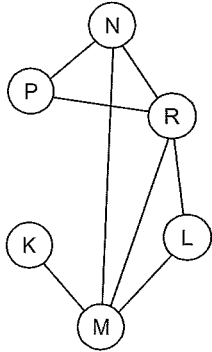
y = ?

	x	y
A)	N	R
B)	L	K
C)	P	M
D)	R	N
E)	R	M





5.

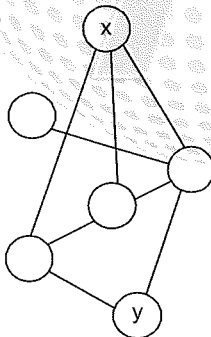
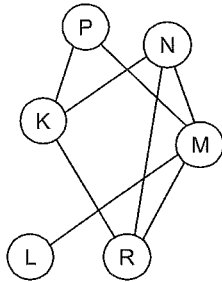


x = ?

y = ?

	x	y
A)	K	N
B)	P	L
C)	L	N
D)	L	R
E)	R	M

6.

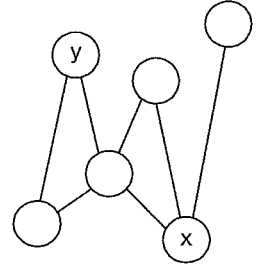
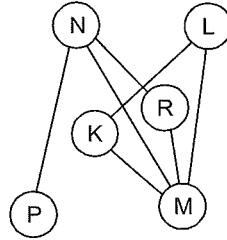


x = ?

y = ?

	x	y
A)	R	P
B)	K	M
C)	L	N
D)	R	K
E)	K	P

7.

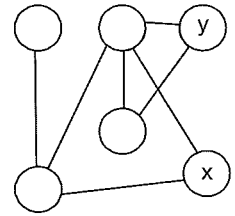
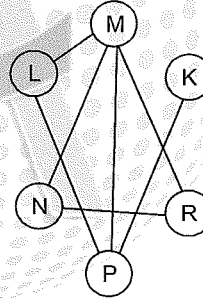


x = ?

y = ?

	x	y
A)	K	L
B)	N	L
C)	R	K
D)	N	M
E)	M	R

8.



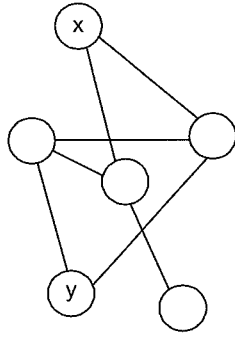
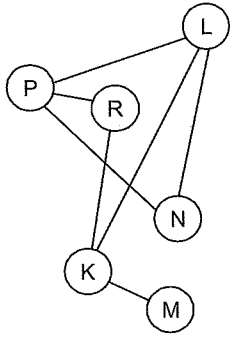
x = ?

y = ?

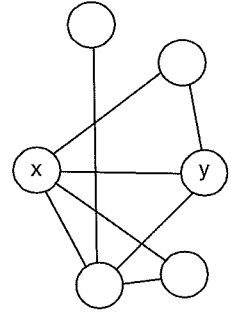
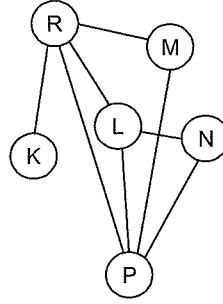
	x	y
A)	K	P
B)	N	R
C)	L	M
D)	M	L
E)	L	R

Cevap Anahtarı – Answer Sheet

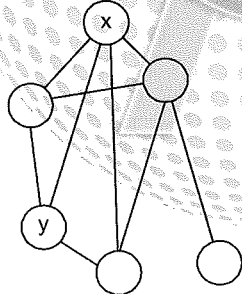
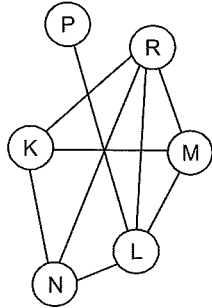
1.D	2.B	3.C	4.E
5.C	6.A	7.B	8.E

**1.****x = ?****y = ?**

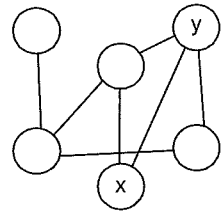
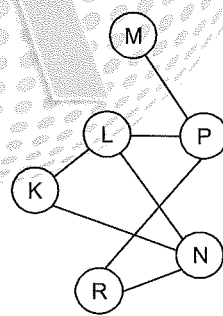
	x	y
A)	N	R
B)	R	L
C)	P	N
D)	R	N
E)	L	P

3.**x = ?****y = ?**

	x	y
A)	P	L
B)	K	L
C)	M	P
D)	N	R
E)	P	R

2.**x = ?****y = ?**

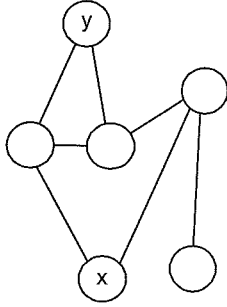
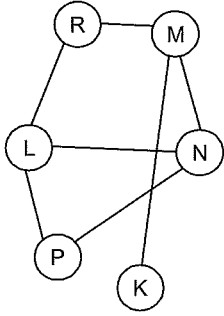
	x	y
A)	M	L
B)	R	K
C)	R	N
D)	L	K
E)	N	M

4.**x = ?****y = ?**

	x	y
A)	K	P
B)	L	N
C)	M	R
D)	R	P
E)	K	N

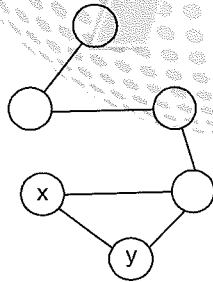
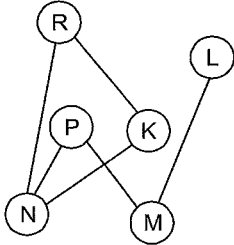


5.

 $x = ?$ $y = ?$

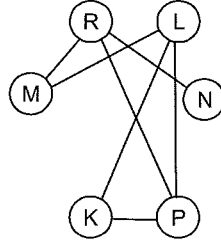
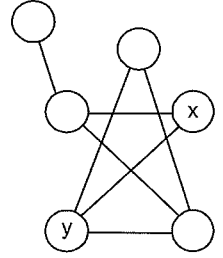
	x	y
A)	L	M
B)	R	P
C)	K	N
D)	R	L
E)	N	P

6.

 $x = ?$ $y = ?$

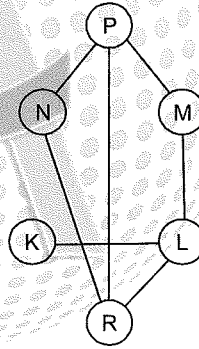
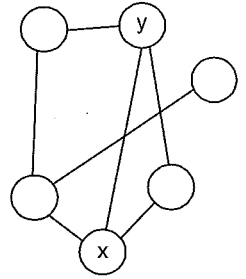
	x	y
A)	P	K
B)	N	M
C)	R	N
D)	M	R
E)	K	R

7.

 $x = ?$ $y = ?$ 

	x	y
A)	R	K
B)	M	P
C)	P	R
D)	M	L
E)	K	L

8.

 $x = ?$ $y = ?$ 

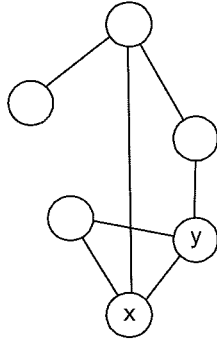
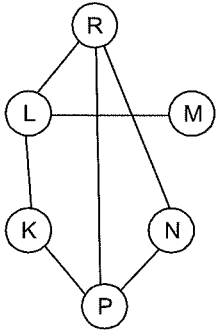
	x	y
A)	R	N
B)	R	P
C)	N	R
D)	M	L
E)	L	P

Cevap Anahtarı – Answer Sheet

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

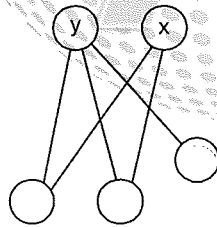
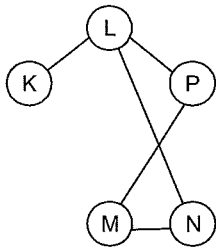


1.

 $x = ?$ $y = ?$

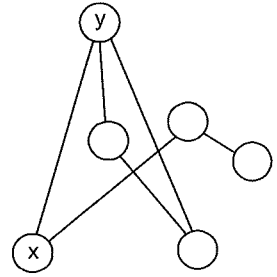
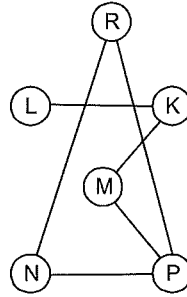
	x	y
A)	R	P
B)	L	K
C)	K	N
D)	N	P
E)	R	K

2.

 $x = ?$ $y = ?$

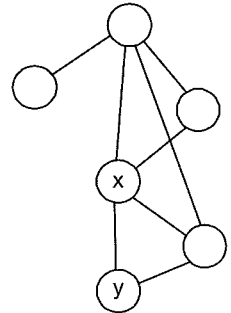
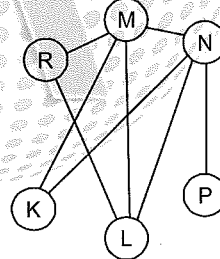
	x	y
A)	P	L
B)	M	N
C)	M	L
D)	N	L
E)	L	N

3.

 $x = ?$ $y = ?$

	x	y
A)	K	P
B)	M	N
C)	N	R
D)	M	P
E)	R	K

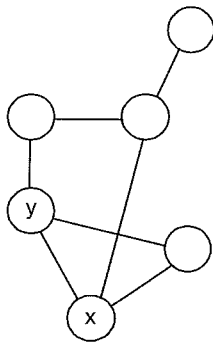
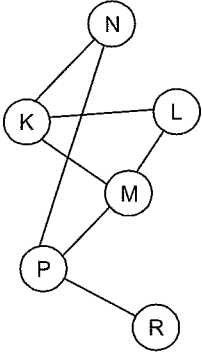
4.

 $x = ?$ $y = ?$

	x	y
A)	M	R
B)	N	L
C)	K	R
D)	M	K
E)	L	K

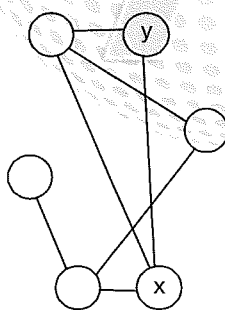
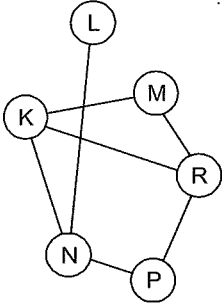


5.

 $x = ?$ $y = ?$

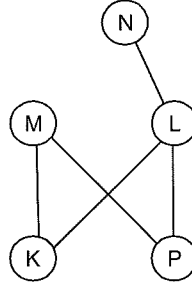
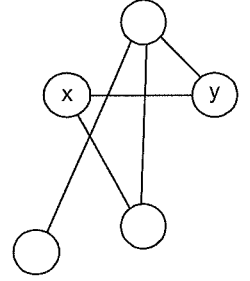
	x	y
A)	K	P
B)	N	K
C)	M	N
D)	L	P
E)	M	K

6.

 $x = ?$ $y = ?$

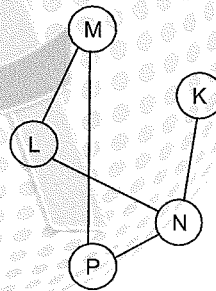
	x	y
A)	R	P
B)	K	M
C)	P	M
D)	K	N
E)	N	R

7.

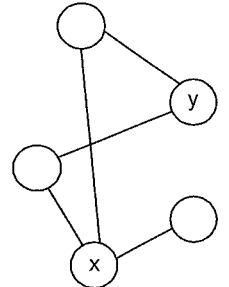
 $x = ?$ $y = ?$ 

	x	y
A)	M	L
B)	N	K
C)	M	P
D)	P	L
E)	M	N

8.

 $x = ?$ $y = ?$

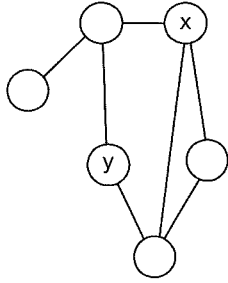
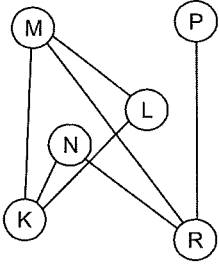
	x	y
A)	N	P
B)	L	M
C)	P	L
D)	N	M
E)	K	P

**Cevap Anahtarı – Answer Sheet**

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



1.

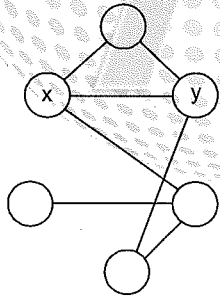
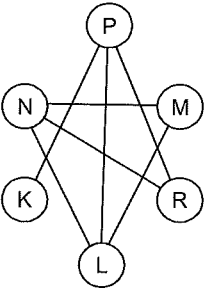


x = ?

y = ?

	x	y
A)	R	L
B)	K	M
C)	L	N
D)	M	K
E)	M	N

2.

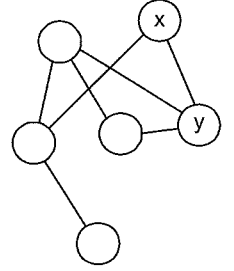
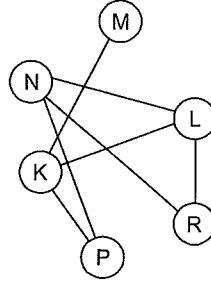


x = ?

y = ?

	x	y
A)	L	P
B)	L	N
C)	R	N
D)	M	K
E)	P	M

3.

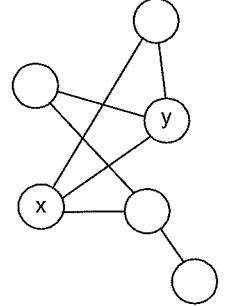
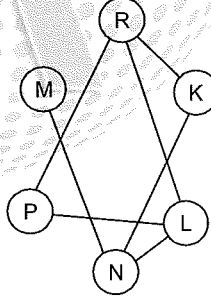


x = ?

y = ?

	x	y
A)	P	N
B)	R	N
C)	K	R
D)	P	L
E)	L	K

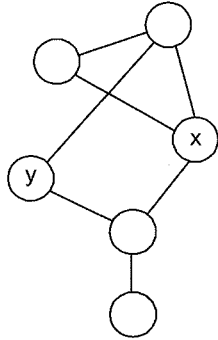
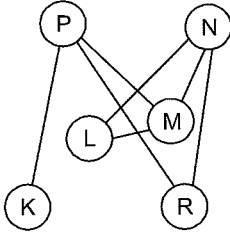
4.



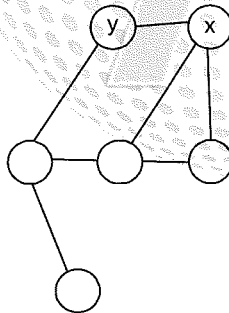
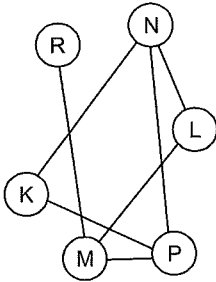
x = ?

y = ?

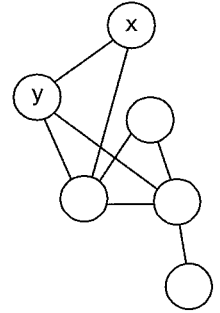
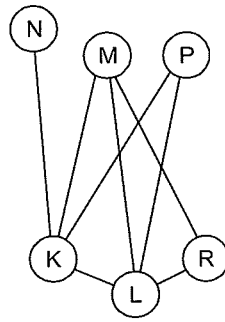
	x	y
A)	K	N
B)	M	R
C)	L	R
D)	N	M
E)	L	P

**5.****x = ?****y = ?**

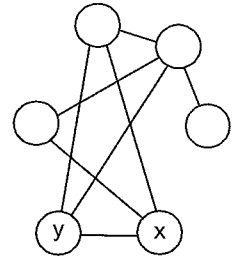
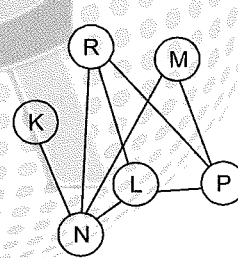
	x	y
A)	P	N
B)	N	R
C)	L	P
D)	M	R
E)	L	M

6.**x = ?****y = ?**

	x	y
A)	N	P
B)	K	L
C)	M	K
D)	P	M
E)	N	L

7.**x = ?****y = ?**

	x	y
A)	M	K
B)	R	M
C)	K	M
D)	N	R
E)	R	N

8.**x = ?****y = ?**

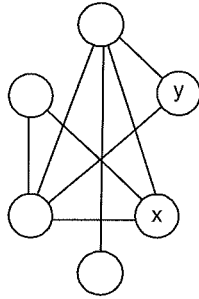
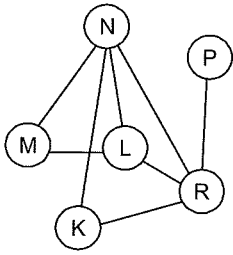
	x	y
A)	M	N
B)	P	N
C)	L	N
D)	P	L
E)	R	M

Cevap Anahtarı – Answer Sheet

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



1.

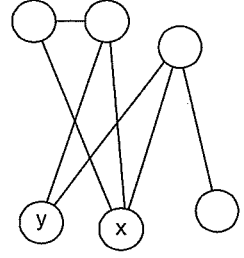
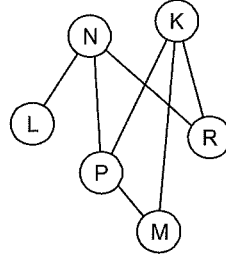


x = ?

y = ?

	x	y
A)	K	R
B)	R	K
C)	M	L
D)	L	M
E)	L	K

3.

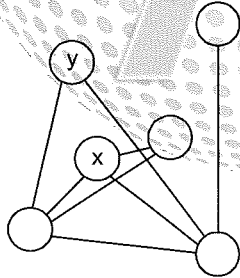
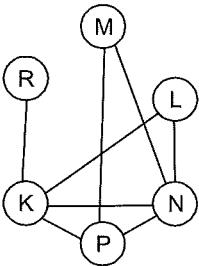


x = ?

y = ?

	x	y
A)	M	R
B)	N	K
C)	P	R
D)	K	M
E)	P	N

2.

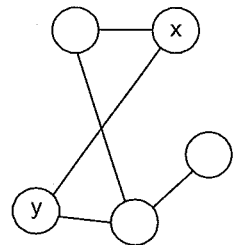
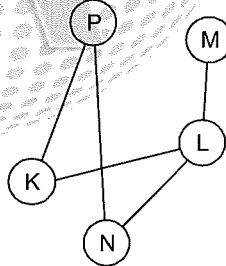


x = ?

y = ?

	x	y
A)	L	K
B)	P	L
C)	M	L
D)	P	N
E)	N	M

4.



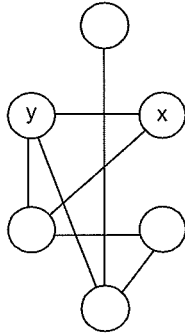
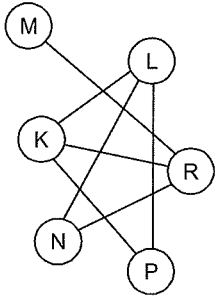
x = ?

y = ?

	x	y
A)	P	K
B)	L	K
C)	P	L
D)	L	M
E)	P	M



5.

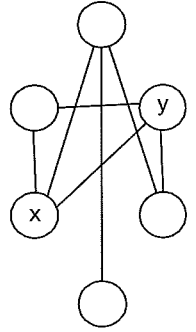
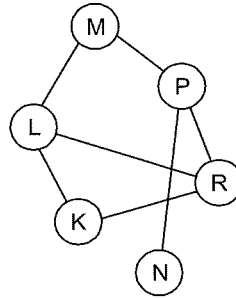


x = ?

y = ?

	x	y
A)	L	K
B)	P	K
C)	R	L
D)	K	P
E)	P	R

7.

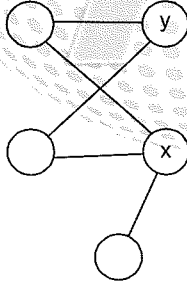
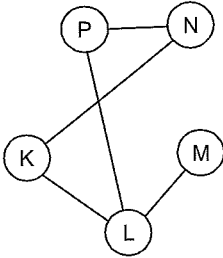


x = ?

y = ?

	x	y
A)	R	M
B)	K	L
C)	P	K
D)	M	P
E)	R	L

6.

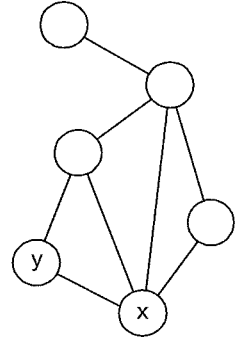
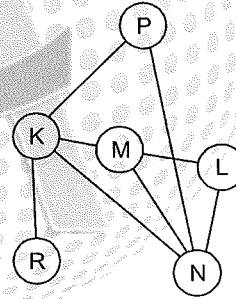


x = ?

y = ?

	x	y
A)	L	K
B)	L	P
C)	K	N
D)	L	N
E)	P	N

8.



x = ?

y = ?

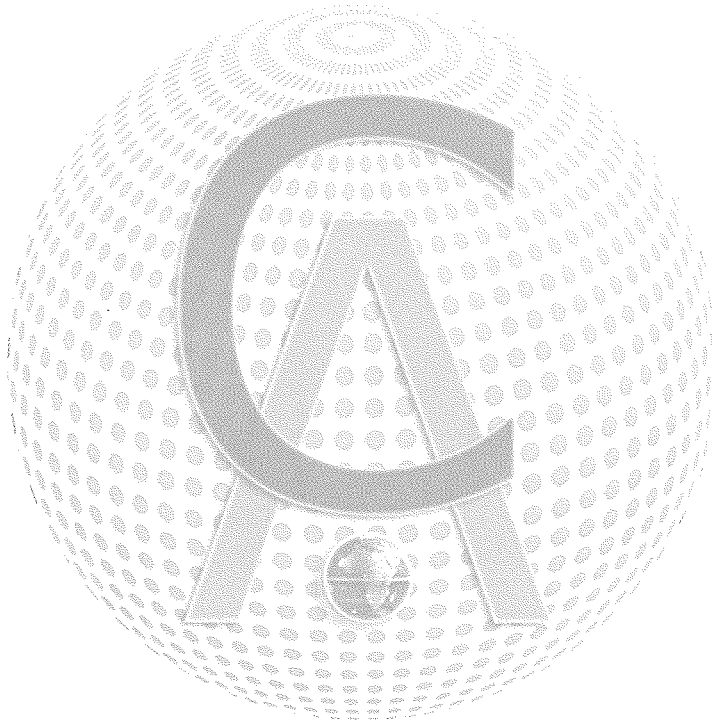
	x	y
A)	N	P
B)	K	L
C)	P	M
D)	N	L
E)	M	K

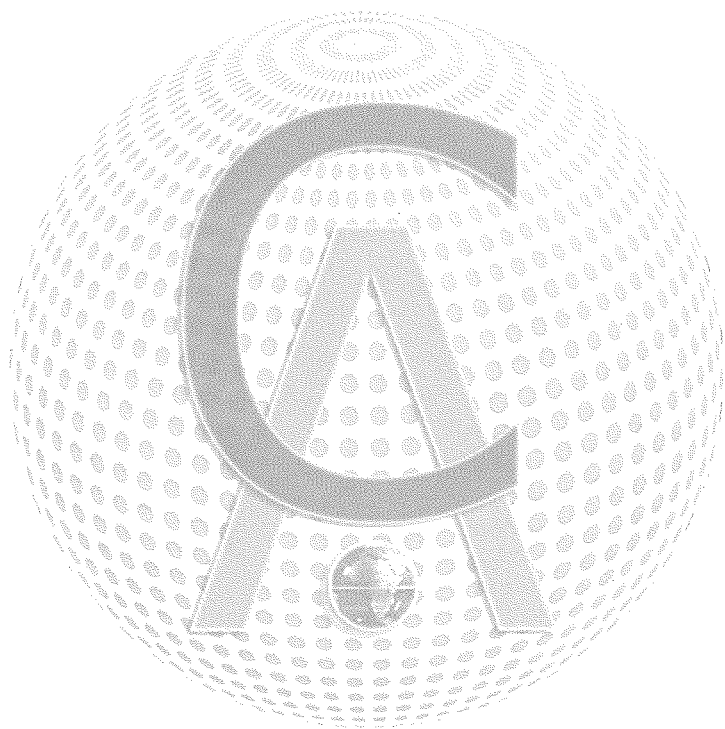
Cevap Anahtarı – Answer Sheet

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

13. BÖLÜM

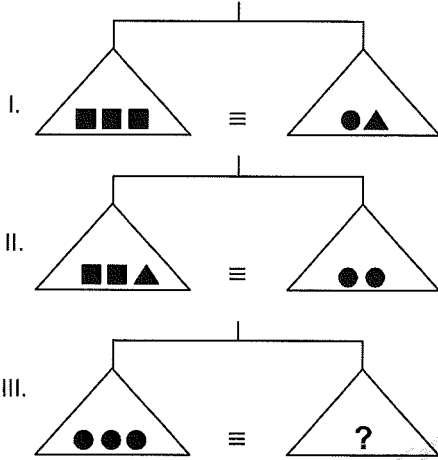
TERAZİ





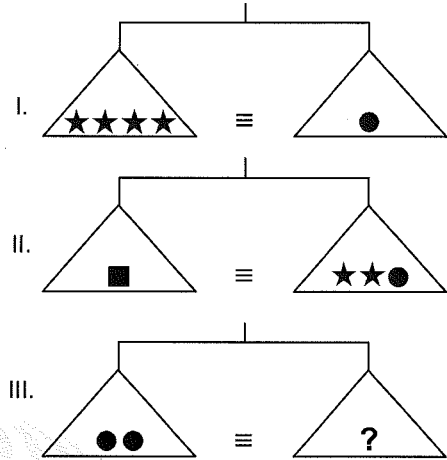


1.



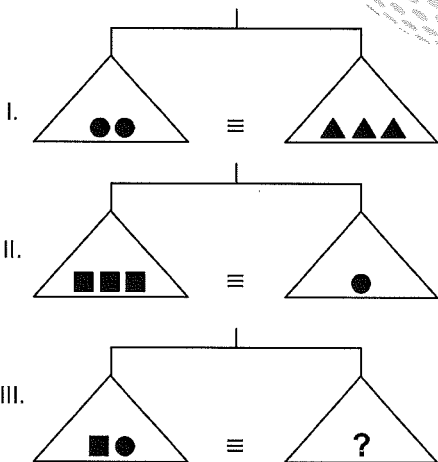
- A)  B)  C) 
D)  E) 

3.



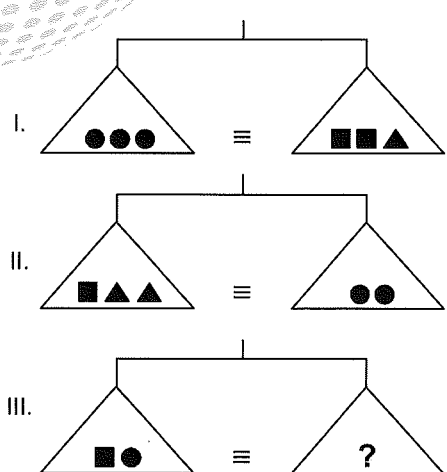
- A)  B)  C) 
D)  E) 

2.



- A)  B)  C) 
D)  E) 

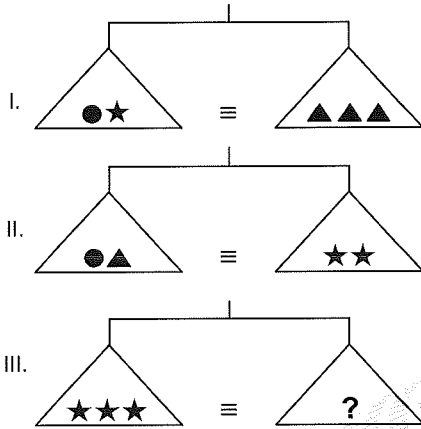
4.



- A)  B)  C) 
D)  E) 

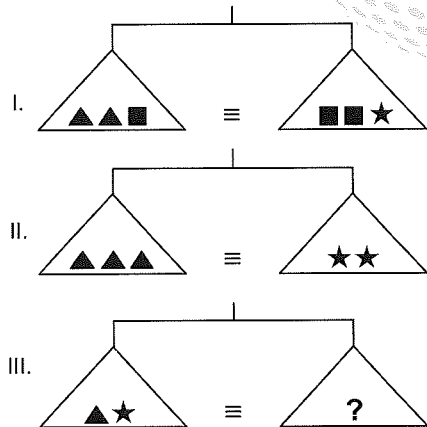


5.



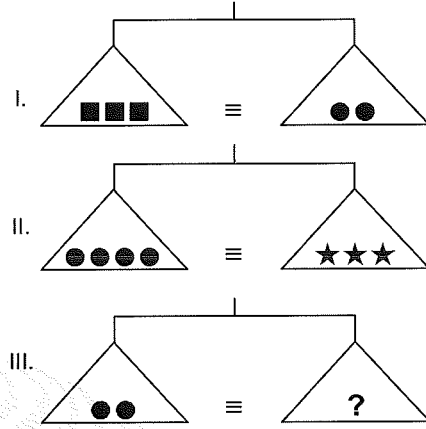
- A) ●● B) ▲▲▲▲ C) ▲▲▲▲
D) ●●★ E) ●●▲

6.



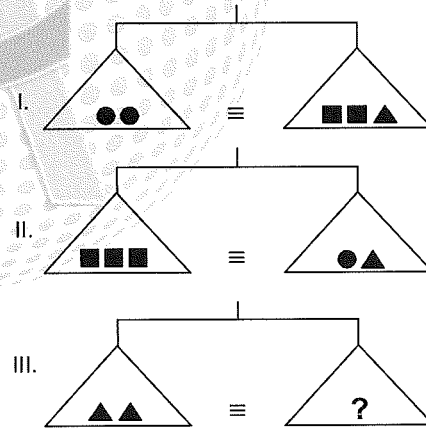
- A) ■■▲ B) ■▲▲ C) ■▲
D) ▲▲ E) ■■

7.



- A) ★★● B) ★★ C) ■■★
D) ■★ E) ■★●

8.



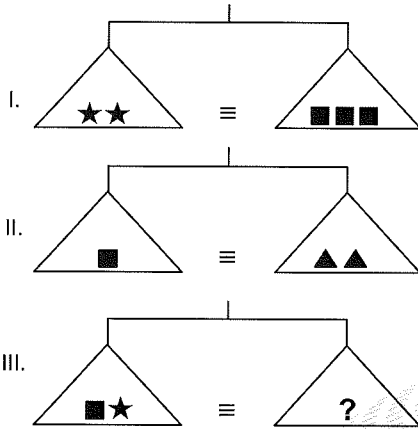
- A) ■■ B) ●● C) ■●
D) ■■● E) ■●●

Cevap Anahtarı – Answer Sheet

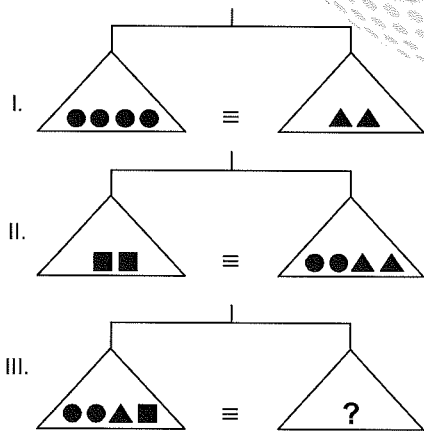
1.E	2.A	3.D	4.B
5.C	6.B	7.D	8.C



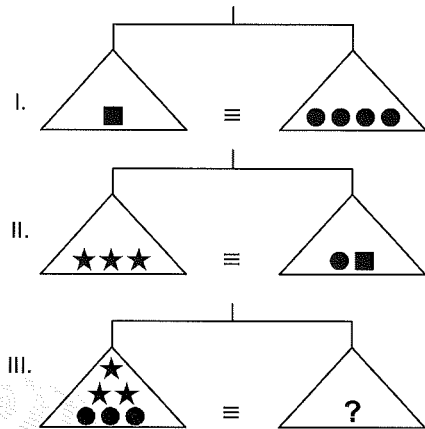
1.

A) B) C) D) E) 

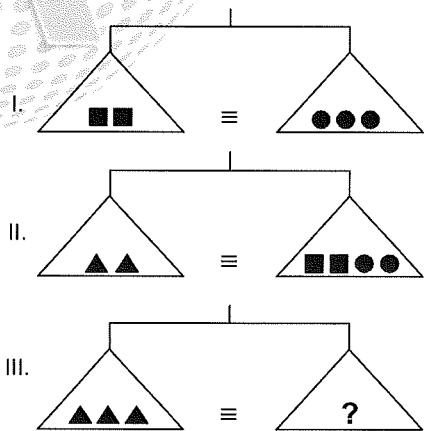
2.

A) B) C) D) E) 

3.

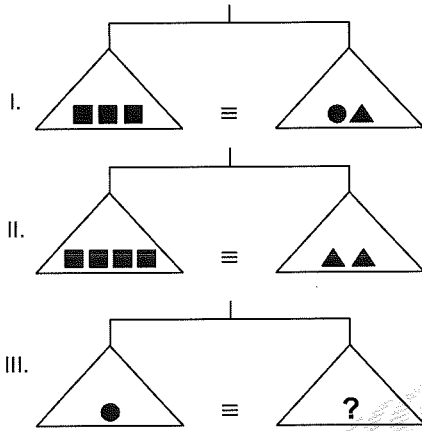
A) B) C) D) E) 

4.

A) B) C) D) E) 



5.



A)

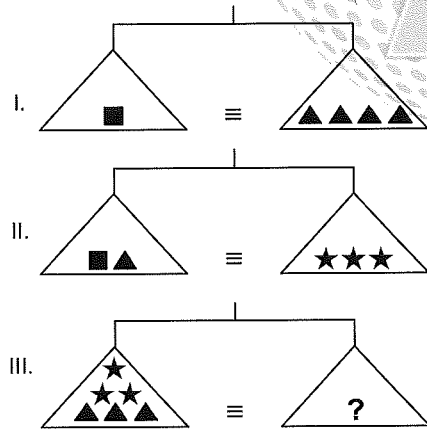
B)

C)

D)

E)

6.



A)

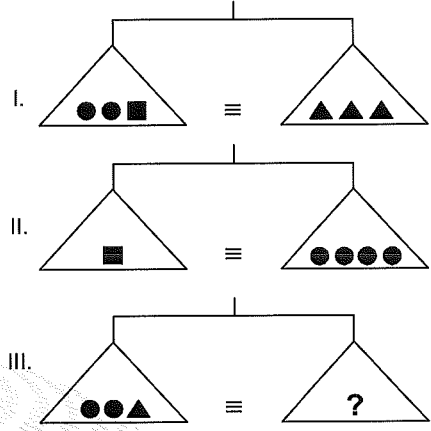
B)

C)

D)

E)

7.



A)

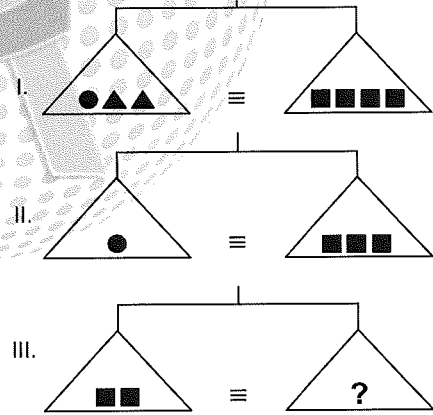
B)

C)

D)

E)

8.



A)

B)

C)

D)

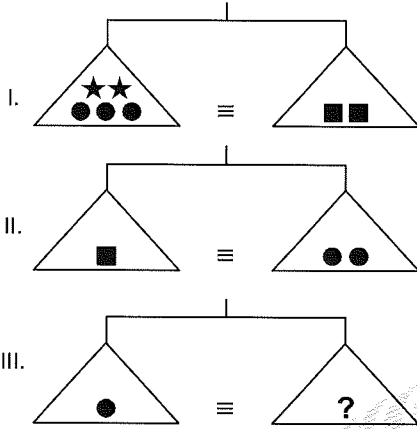
E)

Cevap Anahtarı – Answer Sheet

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



1.



A) ★

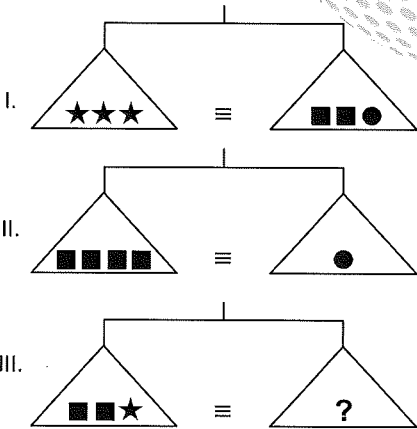
B) ★★

C) ■★

D) ■■★

E) ■■■

2.



A) ●

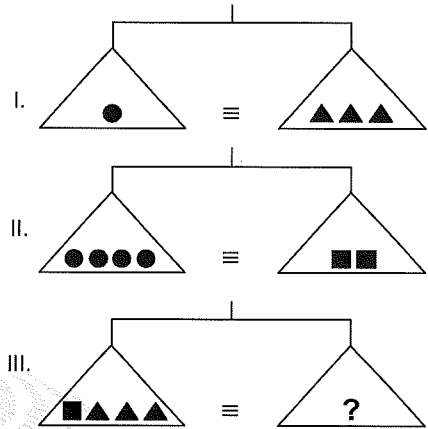
B) ●●

C) ●■

D) ●★

E) ■●★

3.



A) ●●

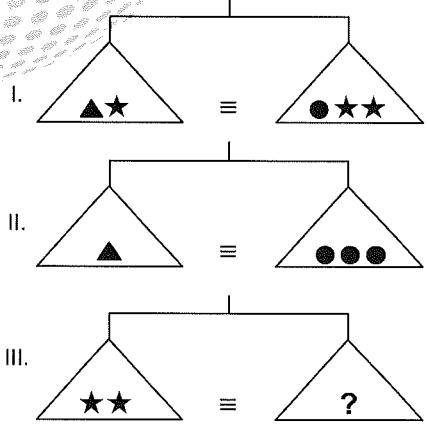
B) ●▲

C) ■■▲

D) ●■▲

E) ●●●

4.



A) ●●★

B) ▲▲

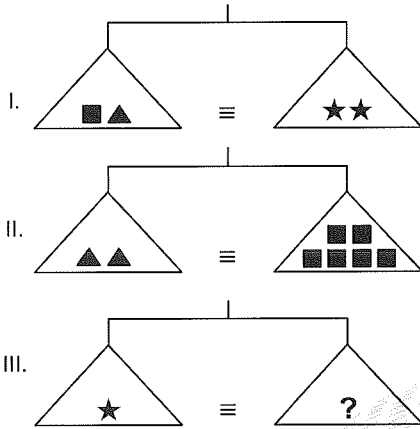
C) ▲▲▲

D) ●●●

E) ●●●●



5.



A)

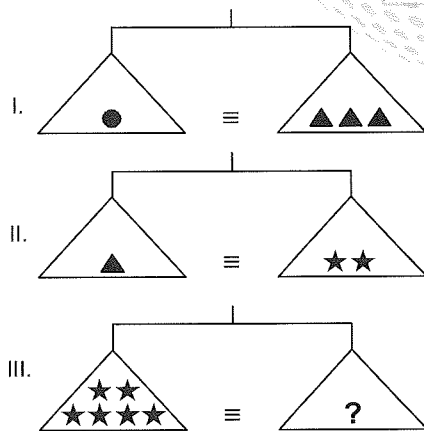
B)

C)

D)

E)

6.



A)

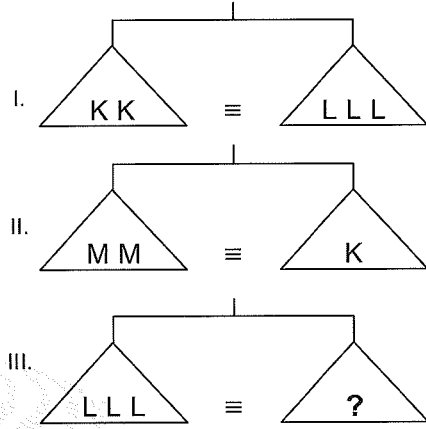
B)

C)

D)

E)

7.



A) K M

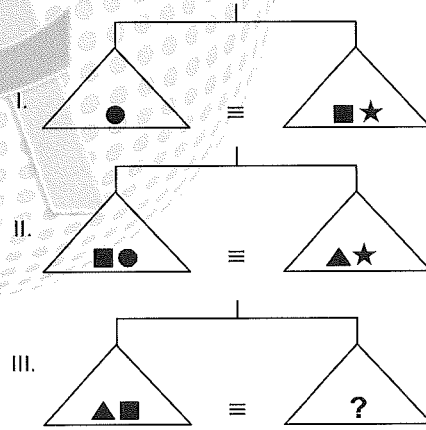
B) M M

C) M M M

D) K K M

E) M M M M

8.



A)

B)

C)

D)

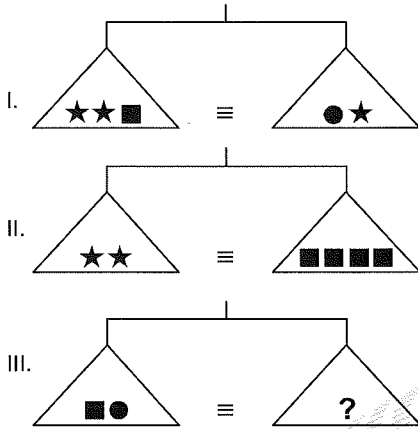
E)

Cevap Anahtarı – Answer Sheet

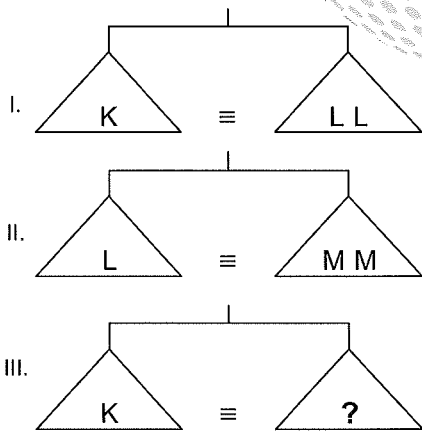
1.B	2.A	3.E	4.E
5.B	6.A	7.E	8.D



1.

A) B) C) D) E) 

2.



A) M L

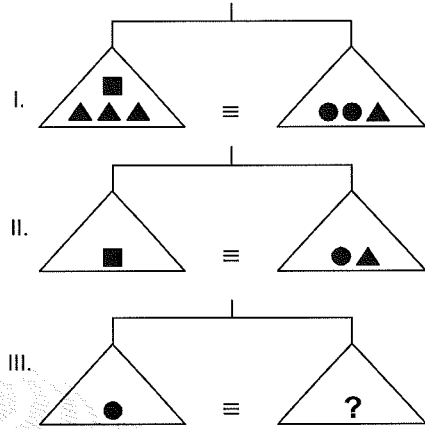
B) L M M

C) M M

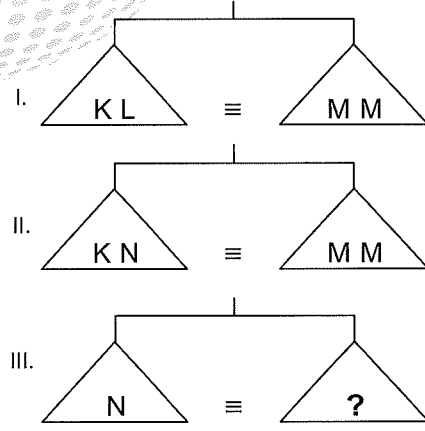
D) L L M

E) M M M

3.

A) B) C) D) E) 

4.



A) L

B) L L

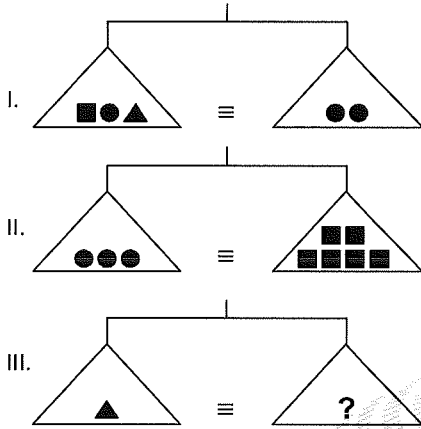
C) L M M

D) L L M

E) M M M



5.



A)

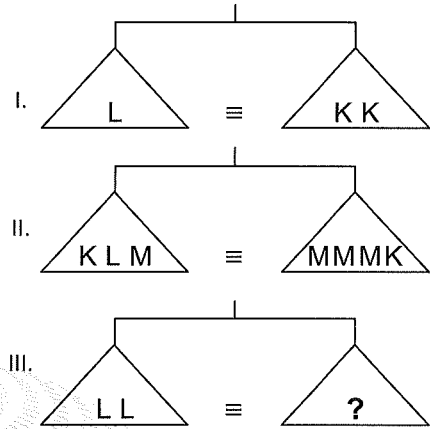
B)

C)

D)

E)

7.



A) M

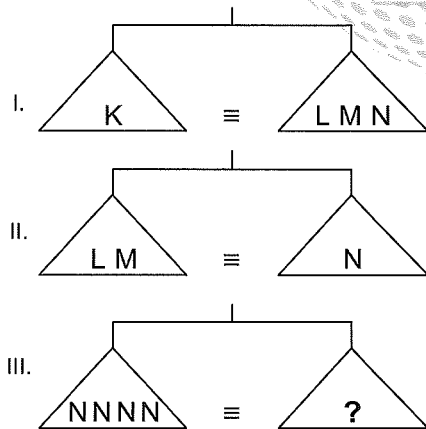
B) M M

C) M M M

D) M M M M

E) M M M M M

6.



A) K

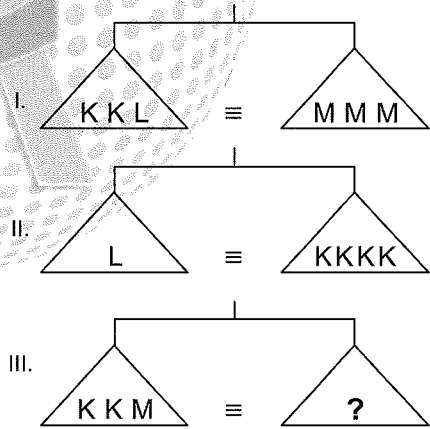
B) K K

C) L L M

D) L M M

E) K L L M

8.



A) L

B) L L

C) L K

D) L M

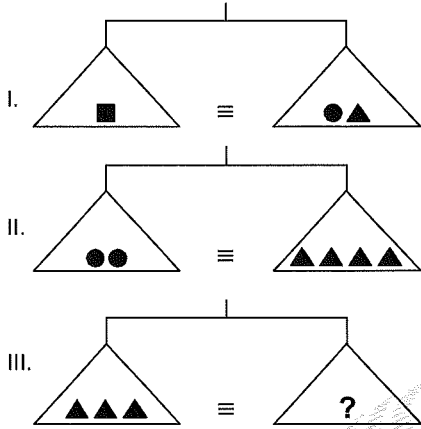
E) K L M

Cevap Anahtarı – Answer Sheet

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



1.



A) ■

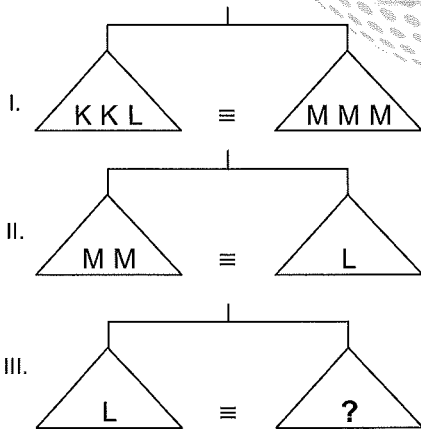
B) ■■

C) ■■■

D) ■■■■

E) ■■■■■

2.



A) K

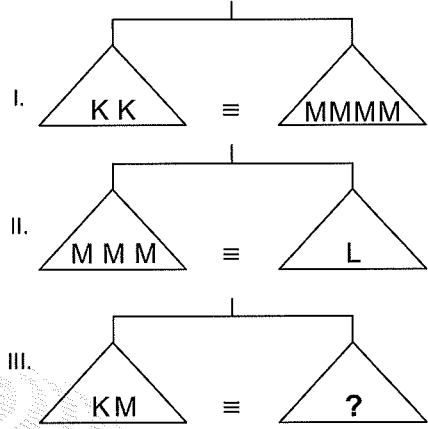
B) K K

C) K K K

D) K K K K

E) K K K K K

3.



A) L

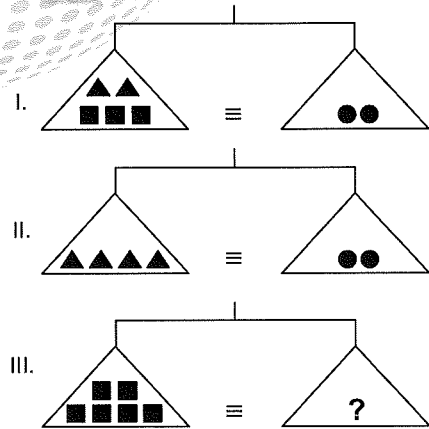
B) L L

C) K L

D) L L K

E) L L L

4.



A) ▲▲

B) ▲▲▲

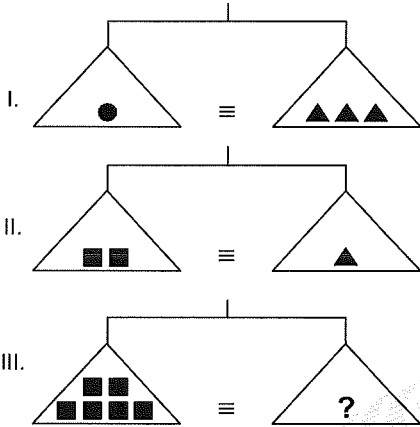
C) ▲▲▲▲

D) ●

E) ●●■



5.



A) ●●●●●

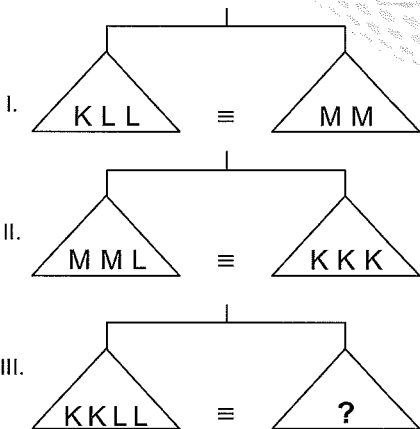
B) ●●●●●

C) ●●●●●

D) ●●

E) ●

6.



A) L

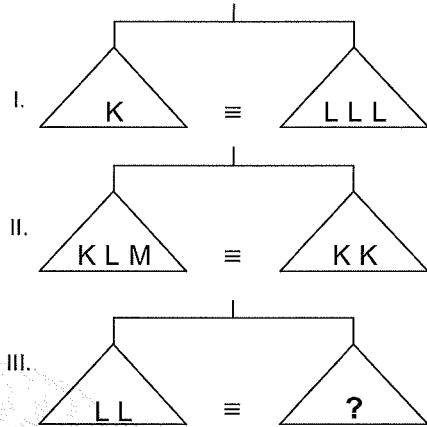
B) L L

C) L L L

D) L L L L

E) L L L L L

7.



A) M

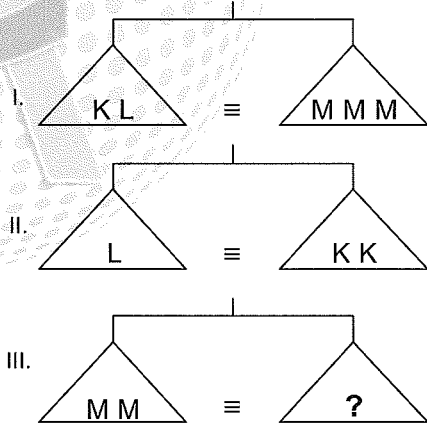
B) M M

C) M M M

D) M M M M

E) M M M M M

8.



A) L M

B) K K

C) L L

D) K L

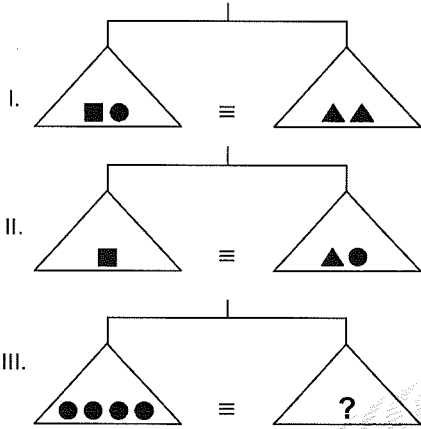
E) K L L

Cevap Anahtarı – Answer Sheet

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



1.



A) ▲●

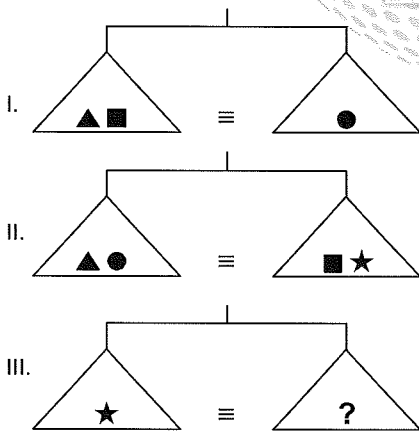
B) ▲▲●

C) ▲■

D) ■■●

E) ■●

2.



A) ▲

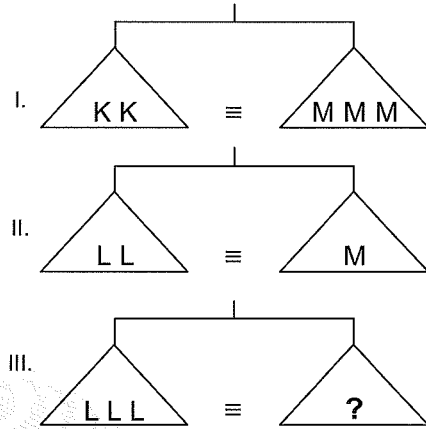
B) ▲●

C) ▲■

D) ▲▲

E) ■●

3.



A) K

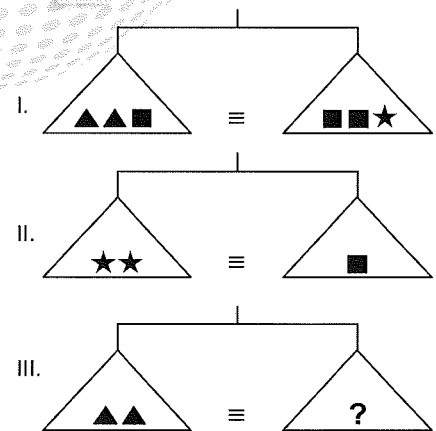
B) K K

C) K M

D) K K L

E) M M

4.



A) ★★

B) ★★★

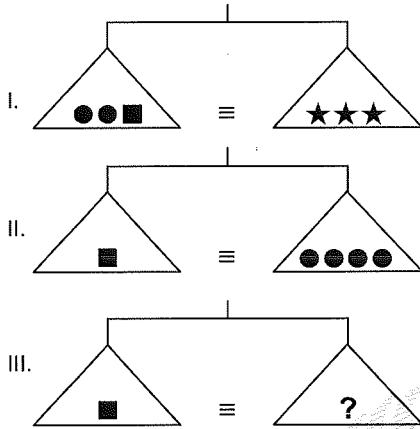
C) ■★★

D) ■■★

E) ■■■



5.



A) ★

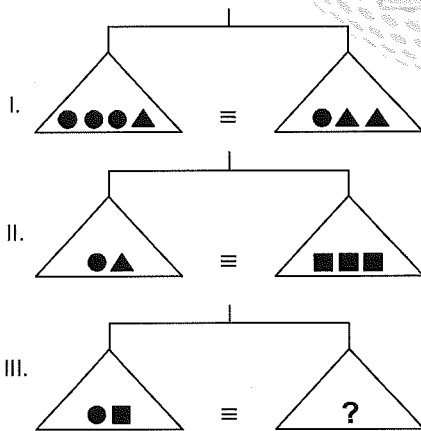
B) ★★

C) ★●●●

D) ★★

E) ★★●●

6.



A) ▲

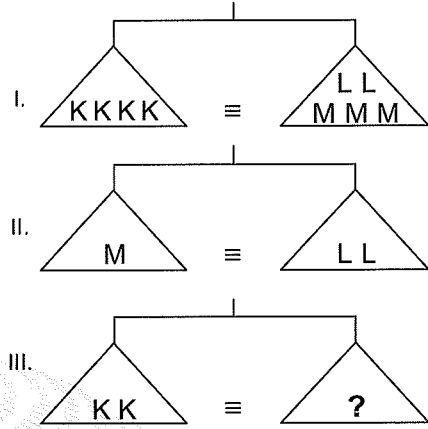
B) ■

C) ■▲

D) ▲▲

E) ■▲▲

7.



A) K L

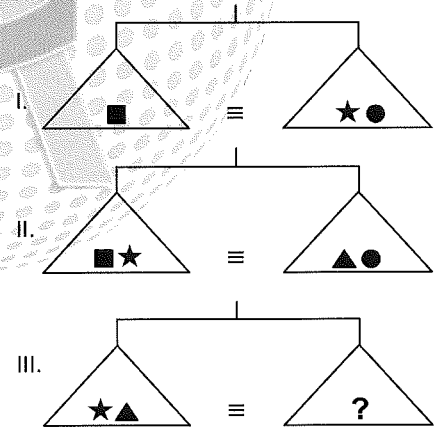
B) M M M

C) L L M M

D) L L L L

E) K L M M

8.



A) ●●

B) ★●

C) ■■

D) ★★

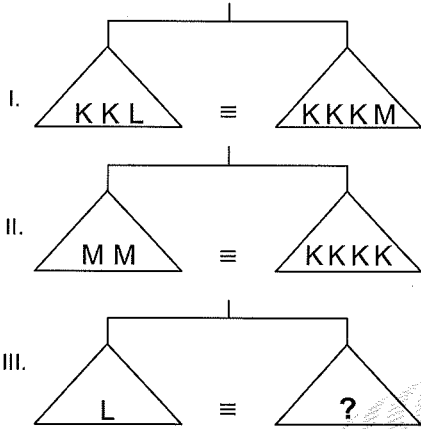
E) ★★

Cevap Anahtarı – Answer Sheet

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



1.



A) M M

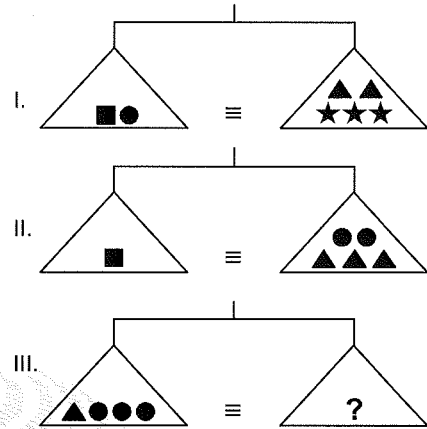
B) K K K

C) K K M

D) K K M M

E) M M M

3.



A) ★

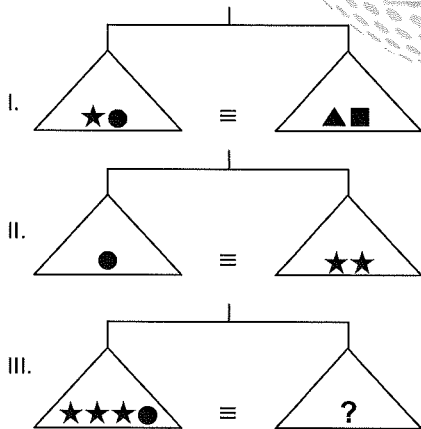
B) ★★

C) ★★★

D) ★★ ★★

E) ★★ ★★ ★★

2.



A) ■ ■

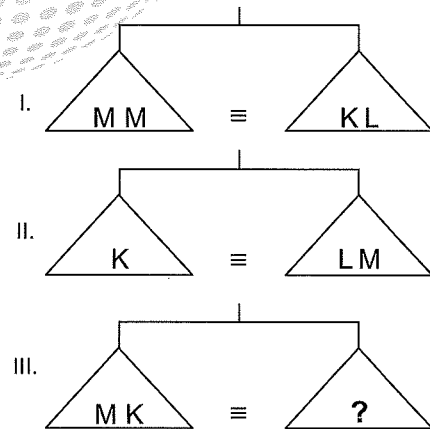
B) ● ●

C) ▲ ▲

D) ▲ ■ ●

E) ■ ■ ▲ ▲

4.



A) L

B) LL

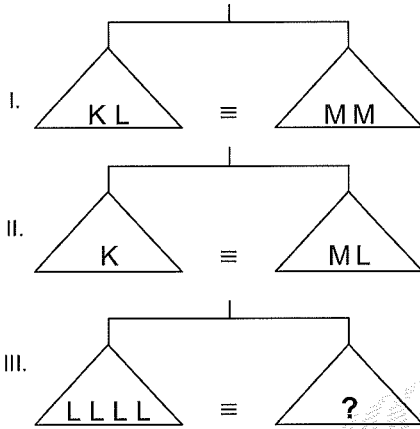
C) LLL

D) LLLL

E) LLLLL



5.



A) L M

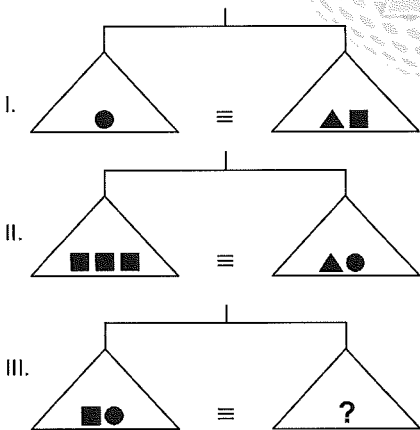
B) M M

C) M K

D) K K L

E) K L L

6.



A) ●●

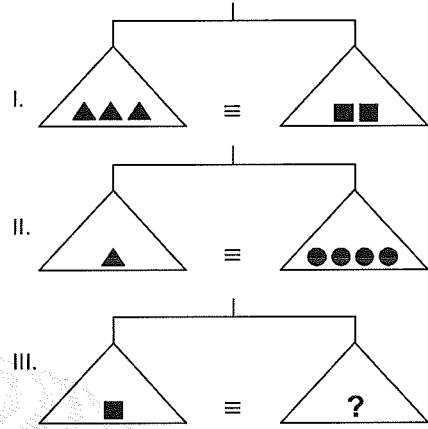
B) ▲■

C) ■■■■

D) ▲▲■■■

E) ▲▲▲▲▲

7.



A) ●●

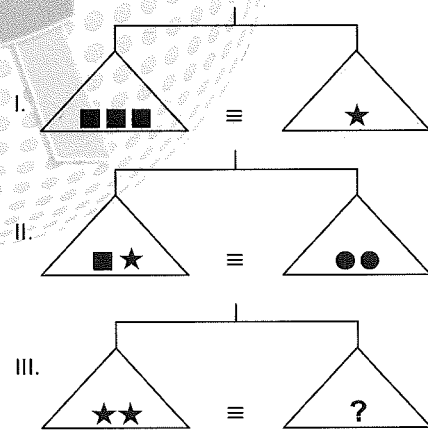
B) ●●●●

C) ●●●●●

D) ●●●●●●

E) ●●●●●●●

8.



A) ●

B) ■■

C) ●●●●

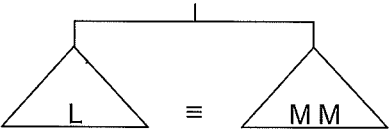
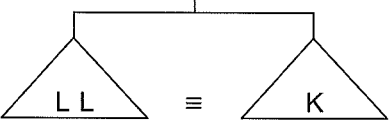
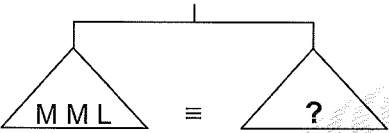
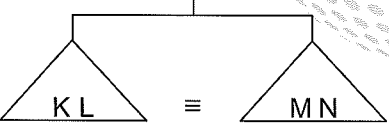
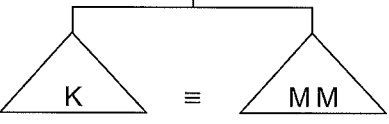
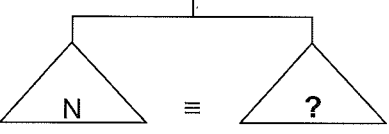
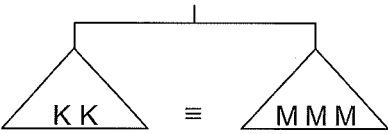
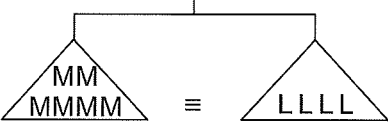
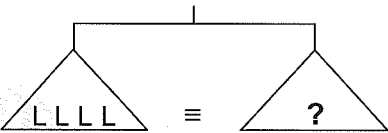
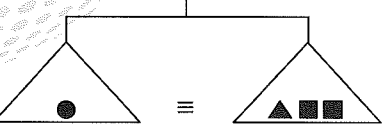
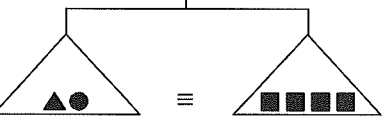
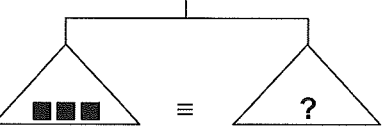
D) ■■■■

E) ■■■●

Cevap Anahtarı – Answer Sheet

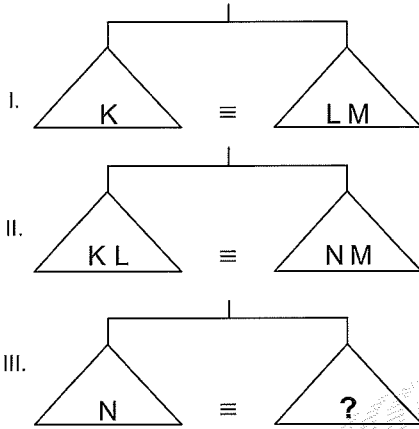
1.B	2.D	3.C	4.E
5.B	6.C	7.E	8.C



1. I.  II.  III. 
- A) K B) KK C) KKK
D) KKKK E) KKKKK
2. I.  II.  III. 
- A) LL B) MM C) ML
D) KK E) MMLL
3. I.  II.  III. 
- A) K B) KK C) MMMM
D) KKKK E) MMLL
4. I.  II.  III. 
- A) ● B) ●●● C) ●●●▲
D) ▲▲ E) ●▲▲



5.



A) LL

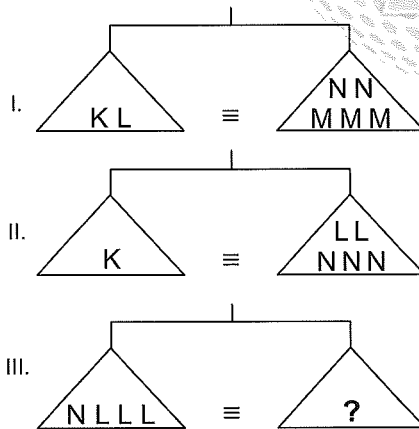
B) L

C) LM

D) LK

E) KM

6.



A) M

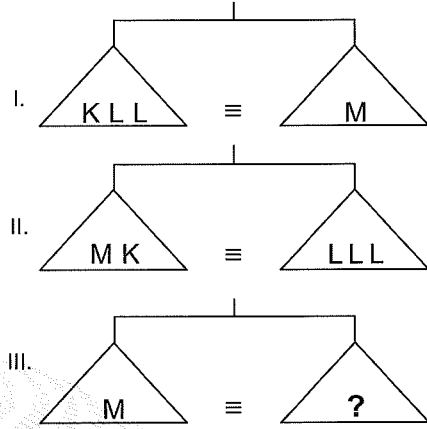
B) MM

C) MMM

D) MMMM

E) M MMMM

7.



A) L

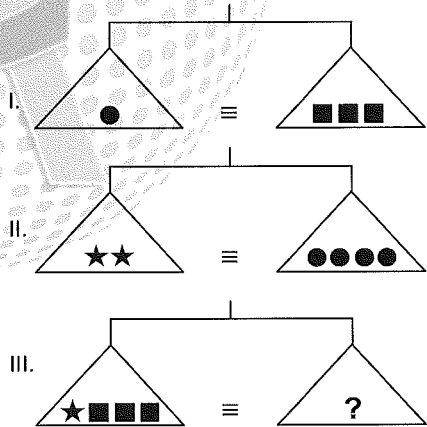
B) LL

C) LLL

D) KKKL

E) KKKLL

8.



A) ●●

B) ■●

C) ■●★

D) ●●●●

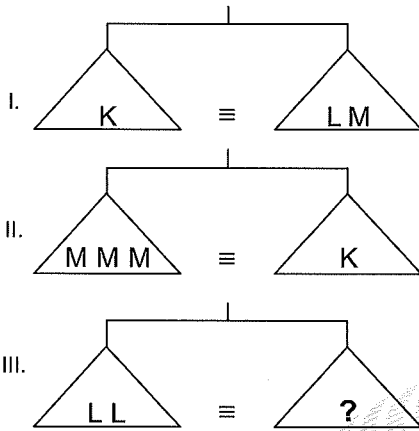
E) ★★■

Cevap Anahtarı – Answer Sheet

1.A	2.C	3.D	4.A
5.A	6.C	7.D	8.D



1.



A) K K

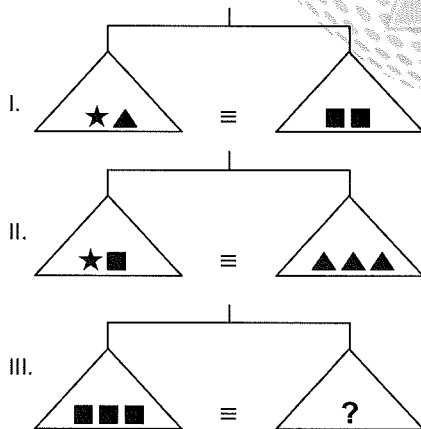
B) K K K

C) K M M

D) M M M

E) M M M M

2.



A) ★★

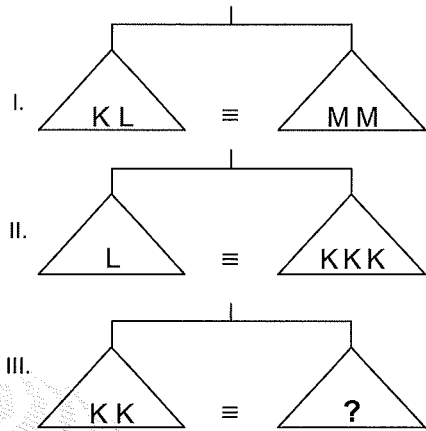
B) ★▲▲

C) ▲▲▲▲

D) ★★▲■

E) ▲▲★■

3.



A) M

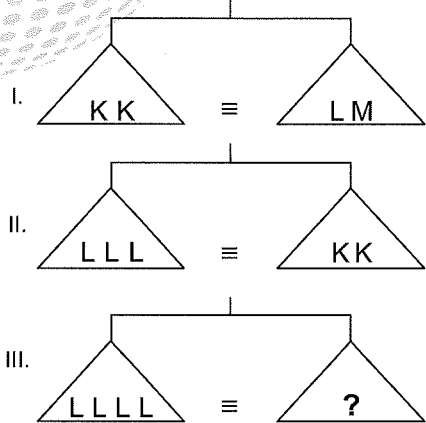
B) MM

C) ML

D) MLL

E) MMLL

4.



A) M

B) MM

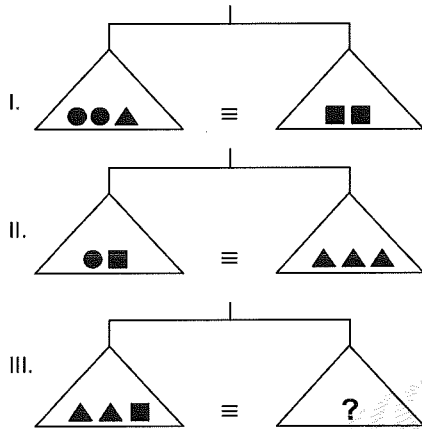
C) MMM

D) KM

E) KKM



5.



A) ●●●●●●

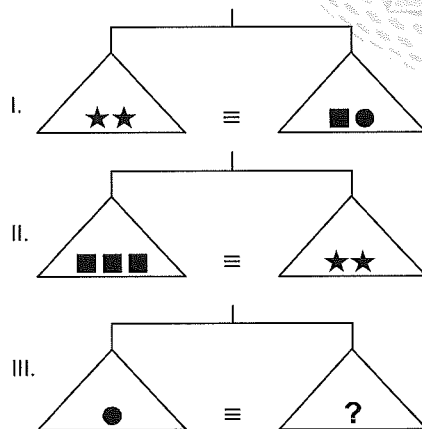
B) ●●●●●●

C) ●●●●●●

D) ●●

E) ●

6.



A) ■

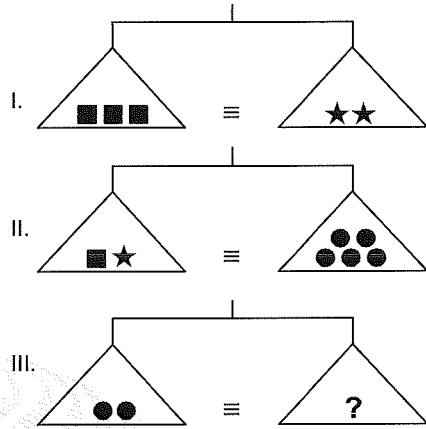
B) ■■

C) ■★

D) ★★

E) ■★★

7.



A) ■

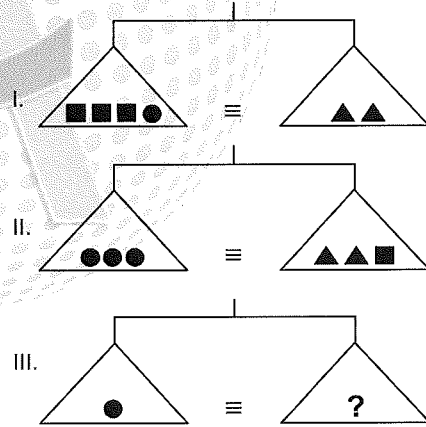
B) ★

C) ■★

D) ★★

E) ■■

8.



A) ■■

B) ▲▲

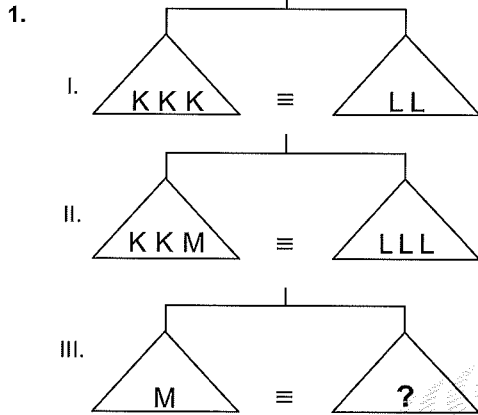
C) ▲▲▲

D) ▲▲■

E) ▲■■

Cevap Anahtarı – Answer Sheet

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



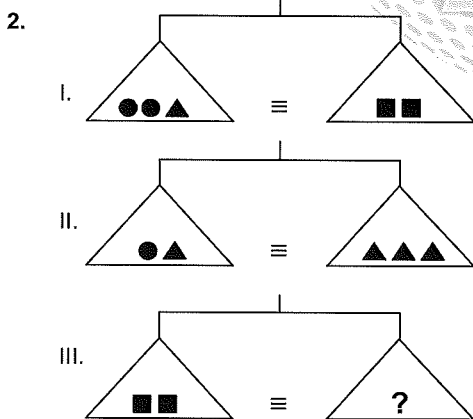
A) K K

B) L L

C) K L

D) K K L

E) K L L



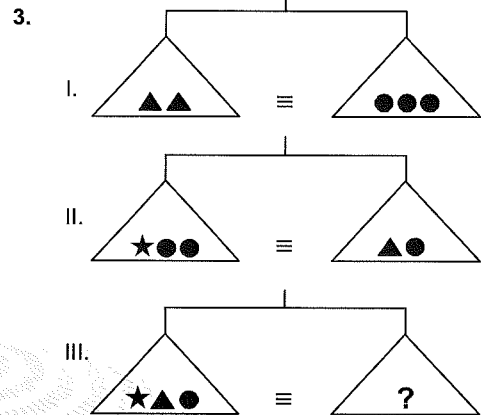
A) ●●■

B) ●●▲▲

C) ●●●

D) ▲▲▲▲

E) ▲▲▲●



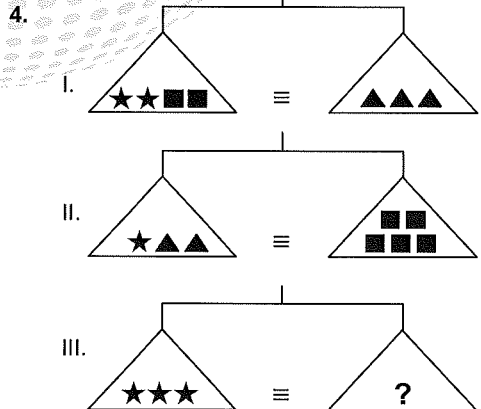
A) ▲▲

B) ★★

C) ★●●

D) ▲▲●

E) ★★▲



A) ▲▲★■

B) ★★▲

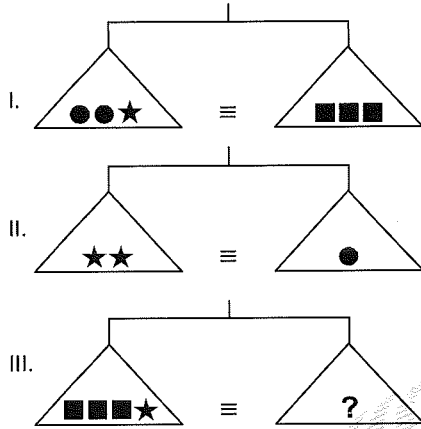
C) ■■■▲

D) ★▲▲▲

E) ▲▲▲▲■



5.



A)

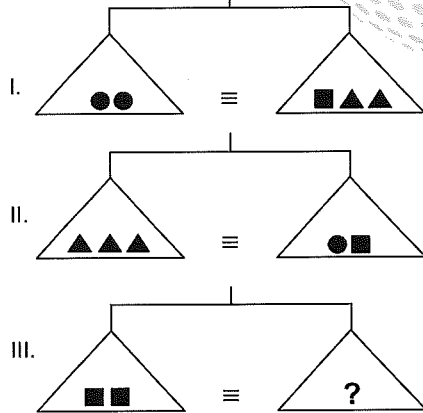
B)

C)

D)

E)

6.



A)

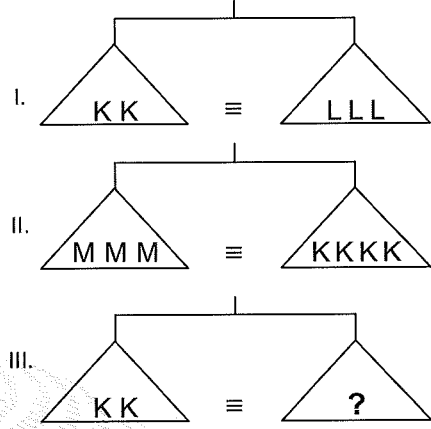
B)

C)

D)

E)

7.



A) M M

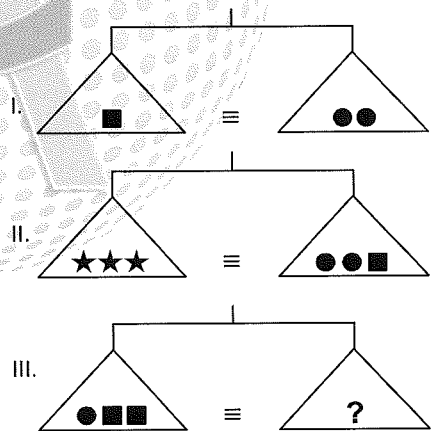
B) M L

C) M L L

D) M M K

E) K L M

8.



A)

B)

C)

D)

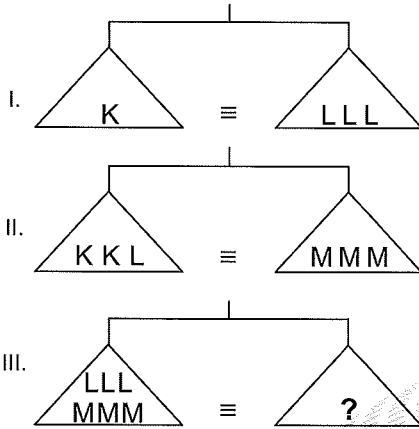
E)

Cevap Anahtarı – Answer Sheet

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

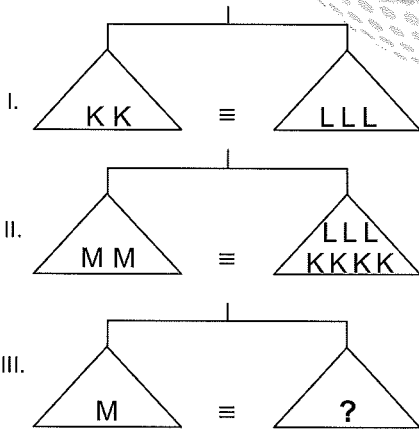


1.



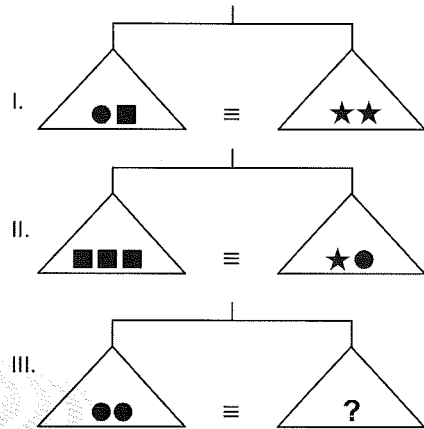
- A) M M M L L B) K K K L C) K L M D) M M M M L E) L L L K M

2.



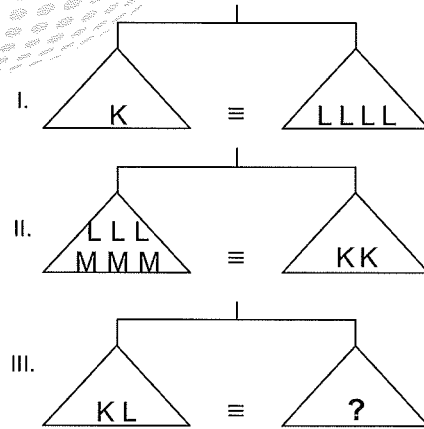
- A) K K K B) L L K C) K K
D) L L E) L K K

3.



- A)  B)  C) 
D)  E) 

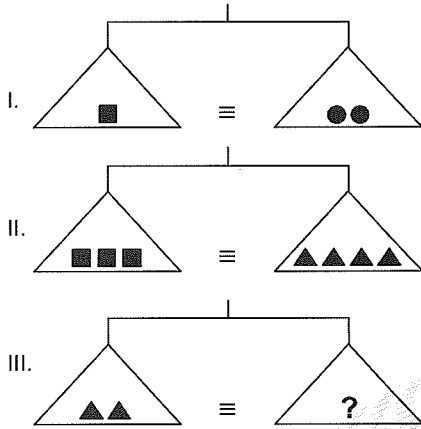
4.



- A) M M B) M M M C) L L L
D) M M L E) L L M



5.



A)

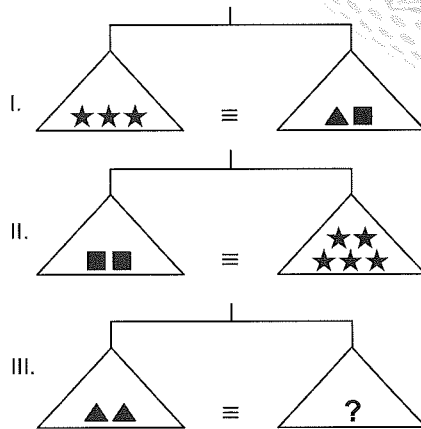
B)

C)

D)

E)

6.



A)

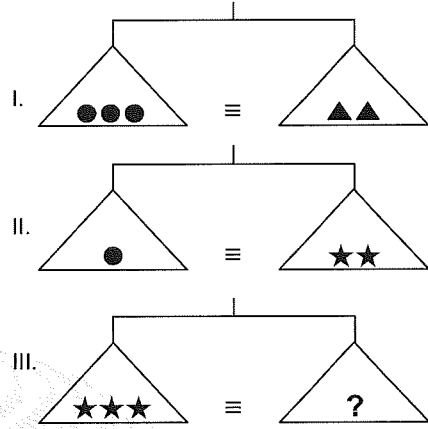
B)

C)

D)

E)

7.



A)

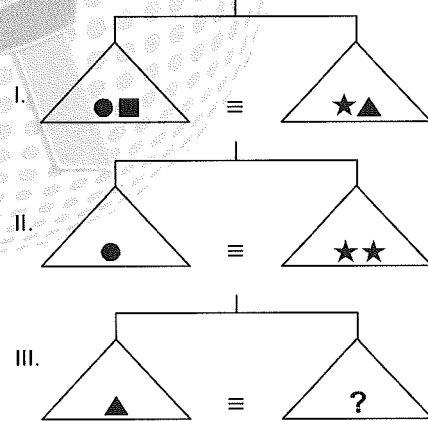
B)

C)

D)

E)

8.



A)

B)

C)

D)

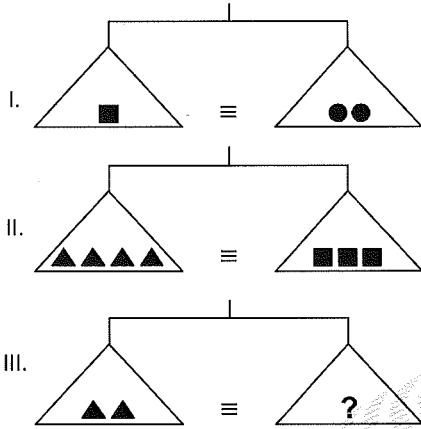
E)

Cevap Anahtarı – Answer Sheet

1.B	2.A	3.B	4.B
5.A	6.B	7.A	8.D



1.

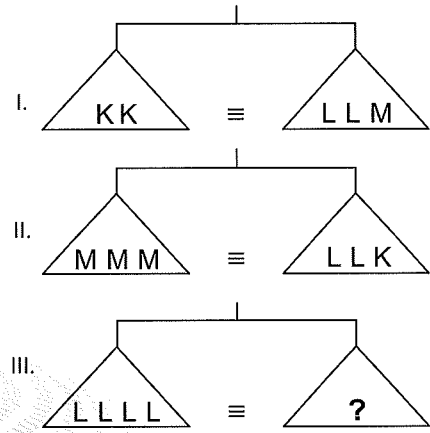


- A) ● ●
D) ■ ■ ●

- B) ■ ■ ■
E) ■ ● ●

- C) ■ ●

3.



- A) MMKK

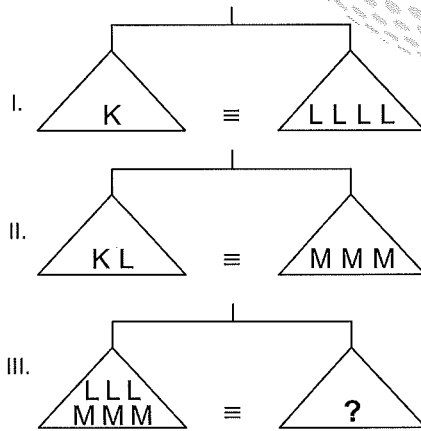
- B) MMK

- C) MMMK

- D) MKKK

- E) MMM

2.



- A) KK

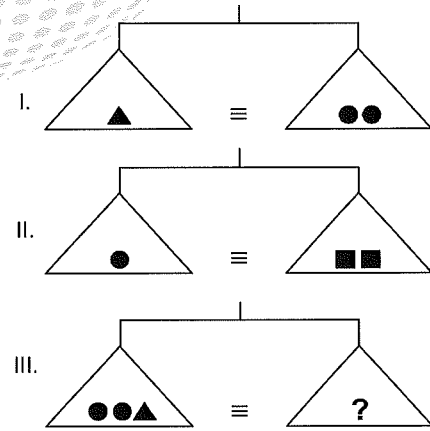
- B) KLM

- C) KLLMM

- D) LMMM

- E) KMLLL

4.



- A) ▲ ▲

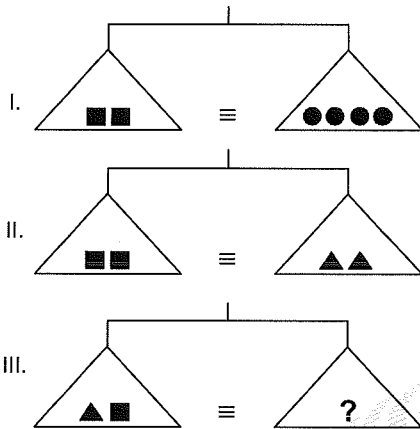
- B) ▲ ■

- C) ▲ ▲ ●

- D) ■ ■ ▲

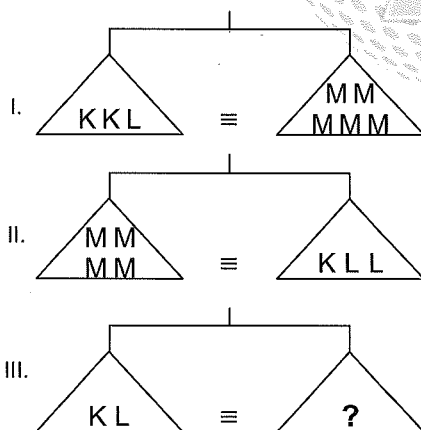
- E) ■ ■ ■ ■

5.



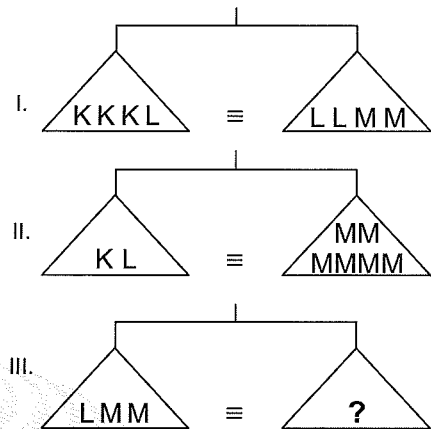
- A) ■ ■ ■ B) ● ● ● ▲ C) ■ ■ ● ●
- D) ● ● ● ● ■ E) ● ● ● ● ●

6.



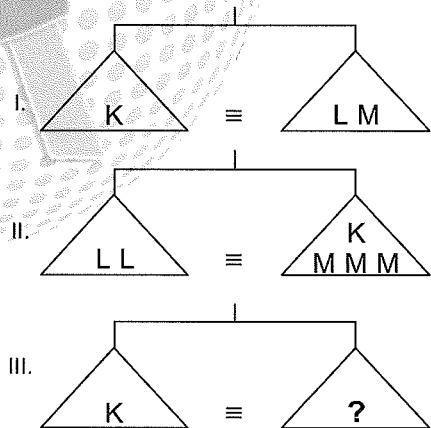
- A) M B) MM C) M K K
D) M L L E) M M M K

7.



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

8.



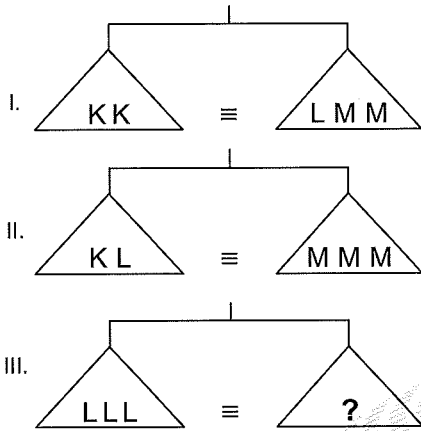
- A) L L B) L M M C) M M M
D) M M M M E) M M M M M

Cevap Anahtarı – Answer Sheet

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



1.



A) MM

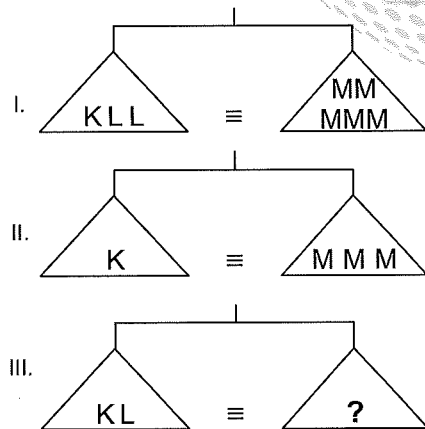
B) MK

C) KLM

D) KK

E) MMK

2.



A) MM

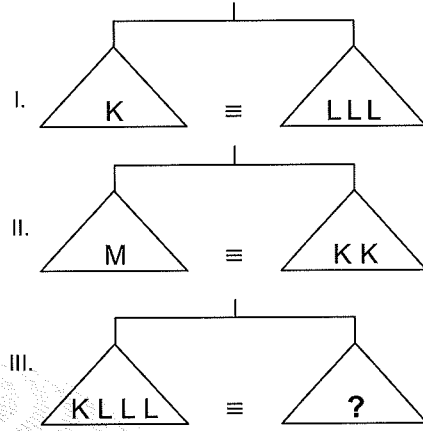
B) LL

C) MMM

D) MMMM

E) KMM

3.



A) M

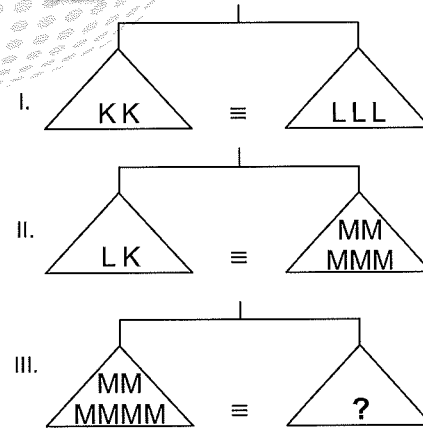
B) ML

C) KLM

D) MM

E) MML

4.



A) K

B) KK

C) KL

D) LL

E) KLL



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) ● ■

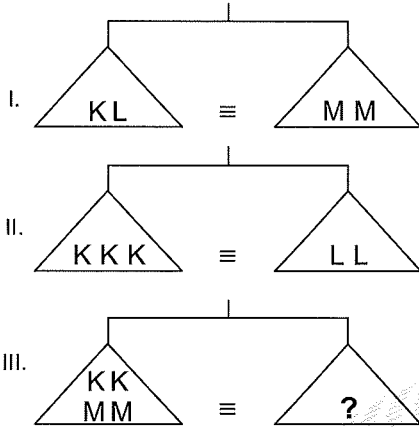
8. I. II. III. A) ★ ■ B) ★ ★ C) ★ ■ ▲ D) ★ ▲ ▲ ▲ E) ★ ▲ ▲ ▲ ■

Cevap Anahtarı – Answer Sheet

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



1.



A) L

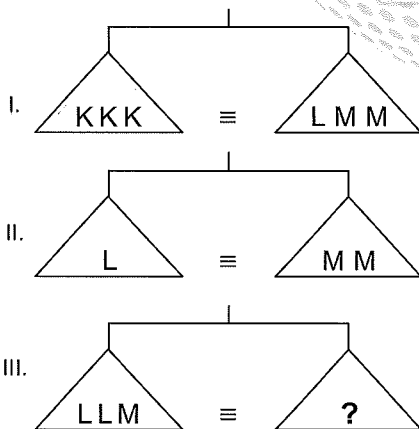
B) LL

C) LLL

D) LLLM

E) KKKL

2.



A) MKK

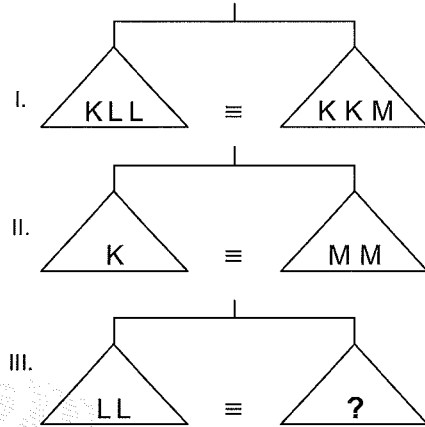
B) KLM

C) KMM

D) KKKM

E) KKLM

3.



A) KLM

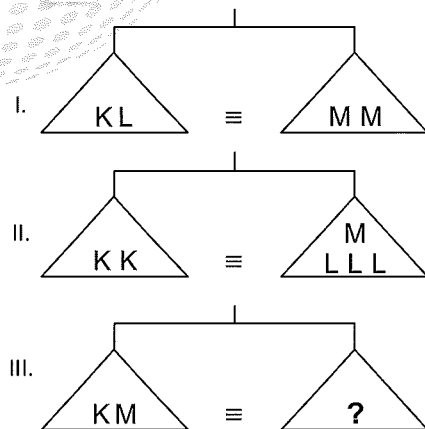
B) KKK

C) MMM

D) KMM

E) KKM

4.



A) LLL

B) LLM

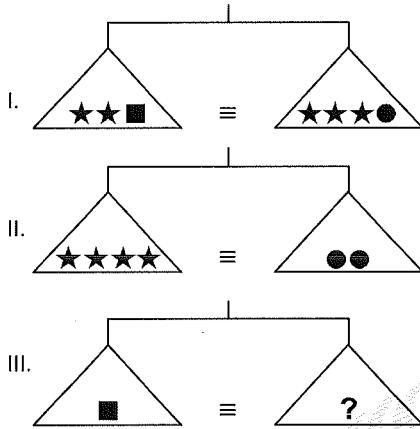
C) LLLL

D) LLLK

E) LLLM



5.



A) ●●

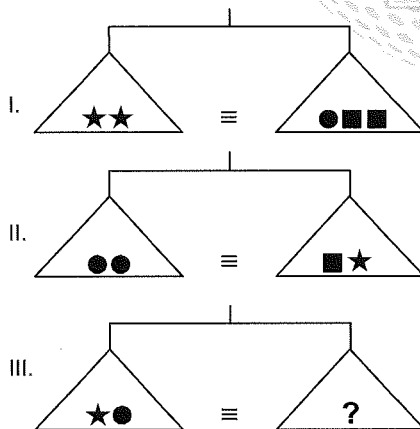
B) ★★●

C) ★●●

D) ★★

E) ●●●

6.



A) ■■

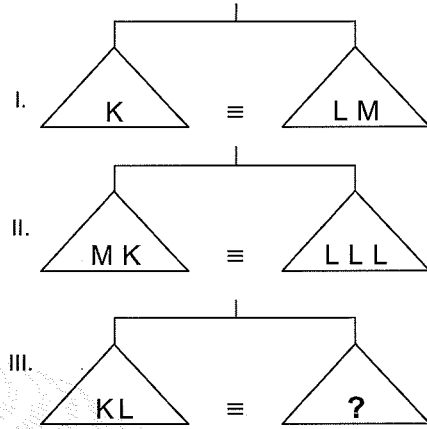
B) ■★

C) ■■■■

D) ■■■■

E) ■★★★

7.



A) K K

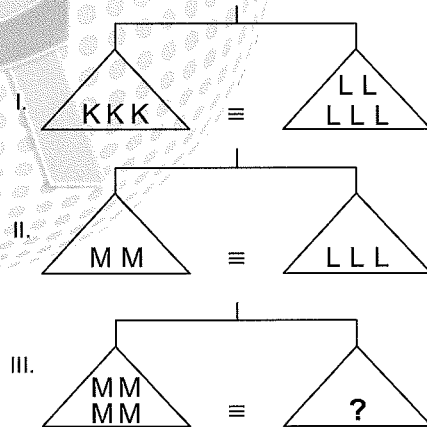
B) M L

C) L L L

D) M M M M

E) L L M M

8.



A) K K K L

B) K K K K

C) K K L L

D) M M K L

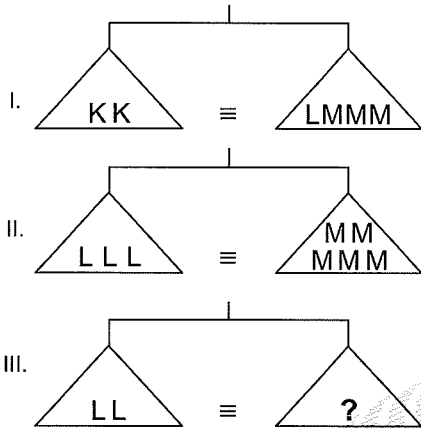
E) L L L M

Cevap Anahtarı – Answer Sheet

1.C	2.D	3.C	4.C
5.D	6.C	7.C	8.A



1.



A) M

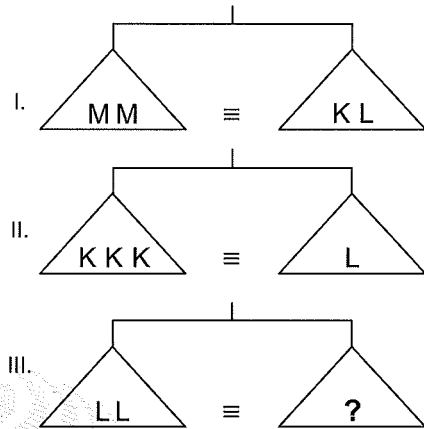
B) K

C) MK

D) KK

E) MMM

3.



A) M

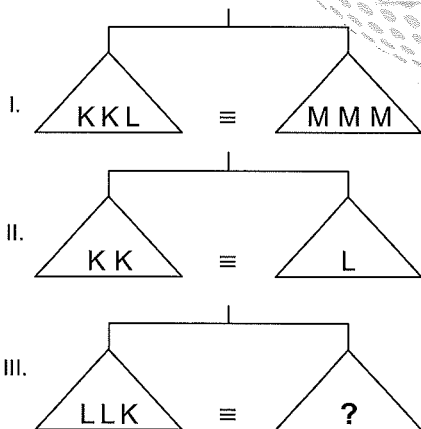
B) KK

C) KKK

D) MMM

E) KKM

2.



A) KLM

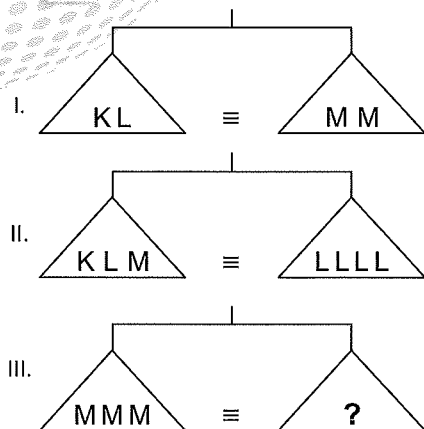
B) KMM

C) MMKL

D) KKL

E) MMMK

4.



A) KK

B) KLL

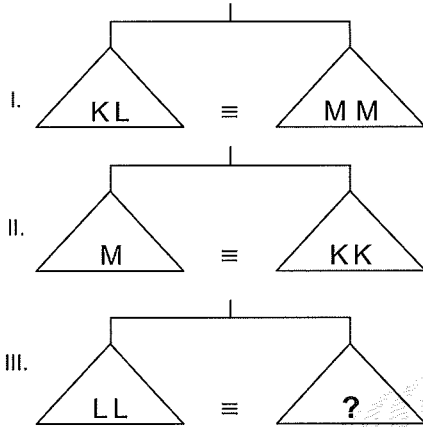
C) KMLL

D) KKLM

E) LLLL



5.



A) M M

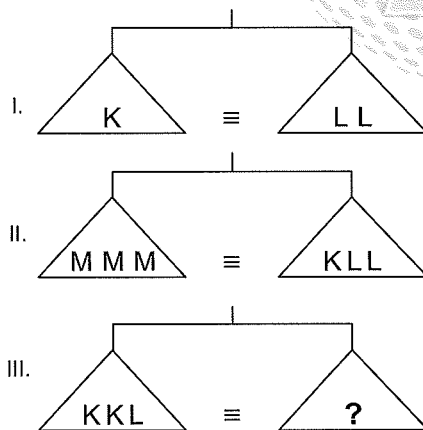
B) M K

C) K K

D) M M K K

E) K K M

6.



A) K L M

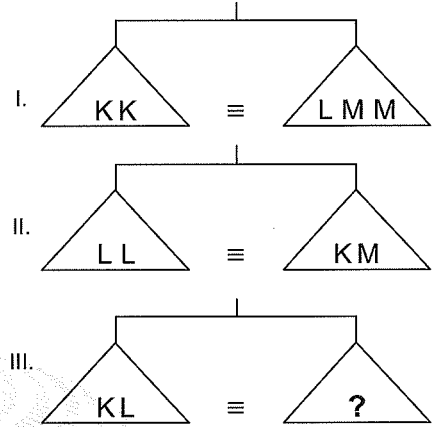
B) K L L

C) L M M

D) M M M L

E) M M L K

7.



A) M M

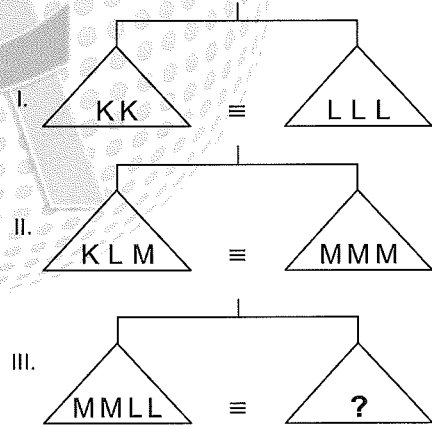
B) K M

C) M M M

D) M M K

E) K K K M

8.



A) K K

B) K K K

C) K K K K

D) K K M

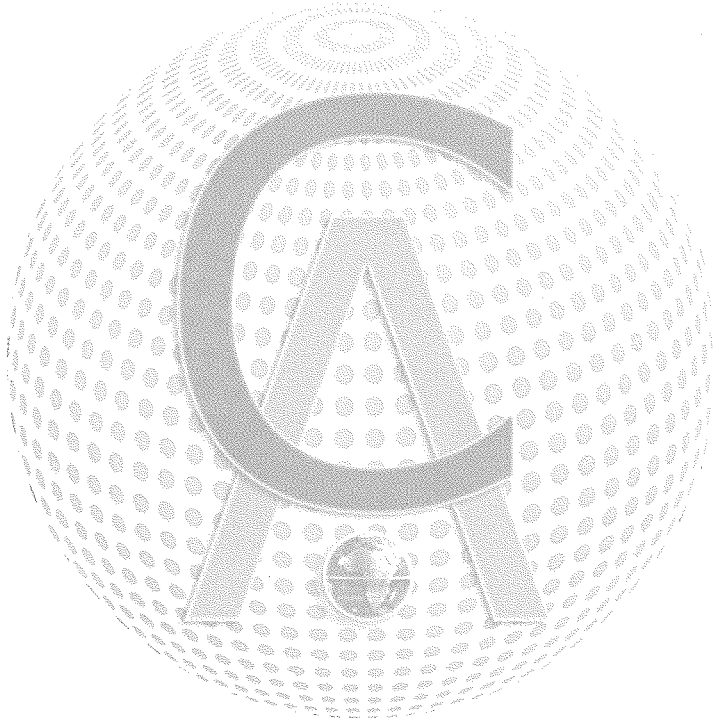
E) K L M

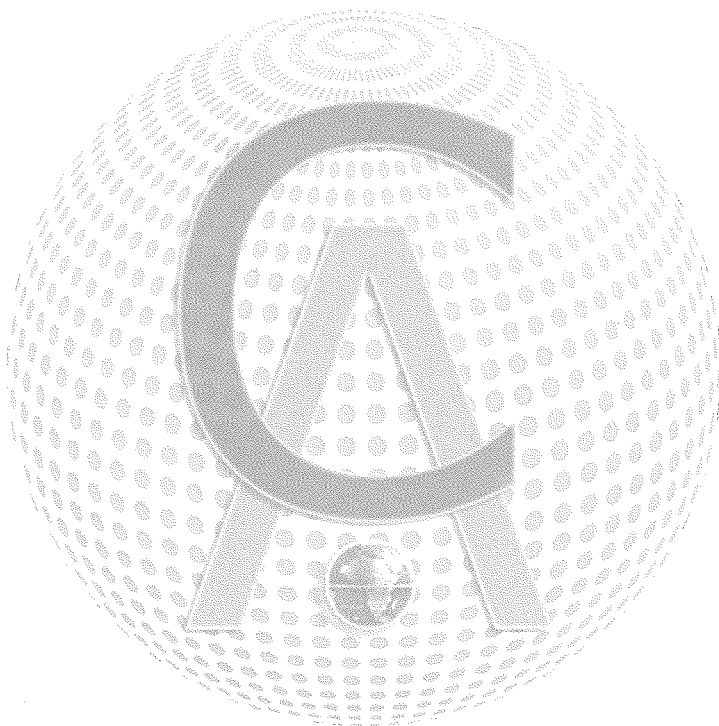
Cevap Anahtarı – Answer Sheet

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

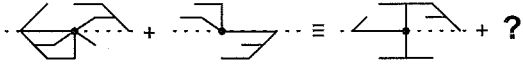
14. BÖLÜM

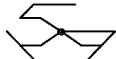
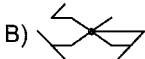
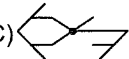
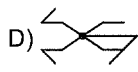
ŞEKİL TAMAMLAMA

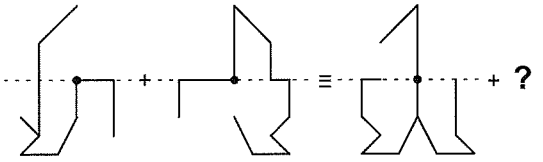


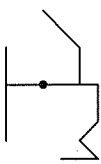
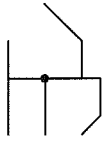
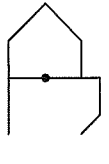
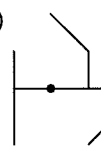


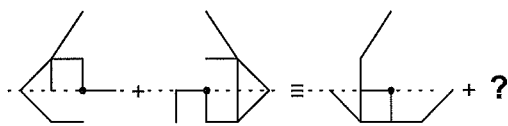


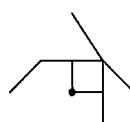
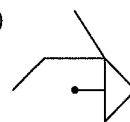
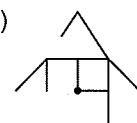
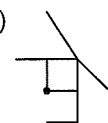
1. 

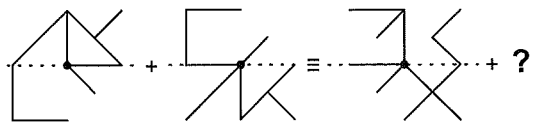
- A)  B)  C) 
D)  E) 

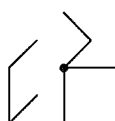
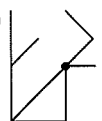
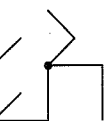
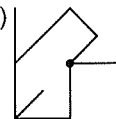
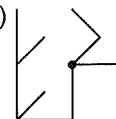
3. 

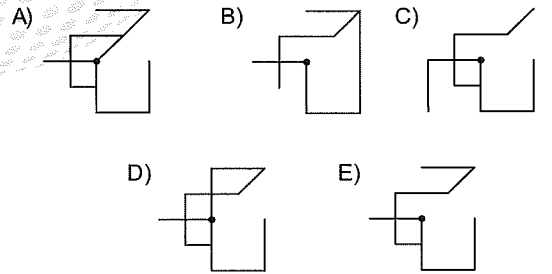
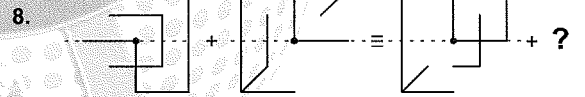
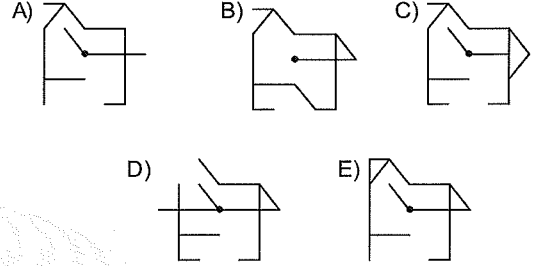
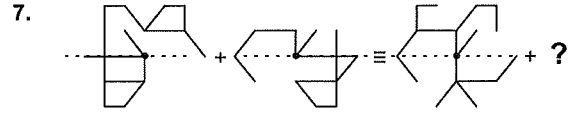
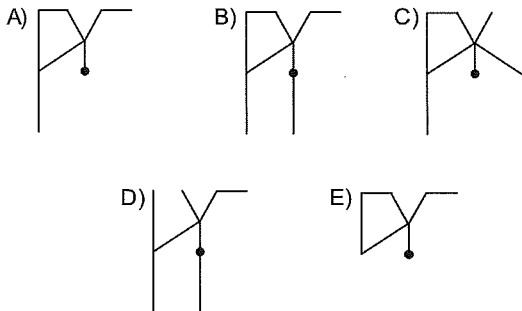
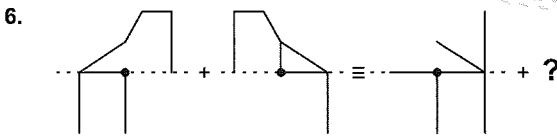
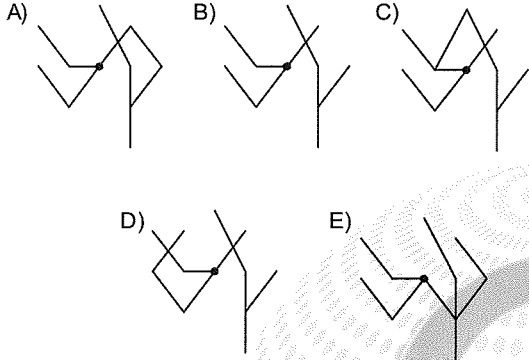
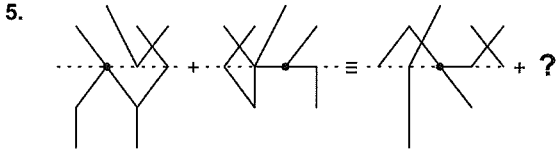
- A)  B)  C) 
D)  E) 

2. 

- A)  B)  C) 
D)  E) 

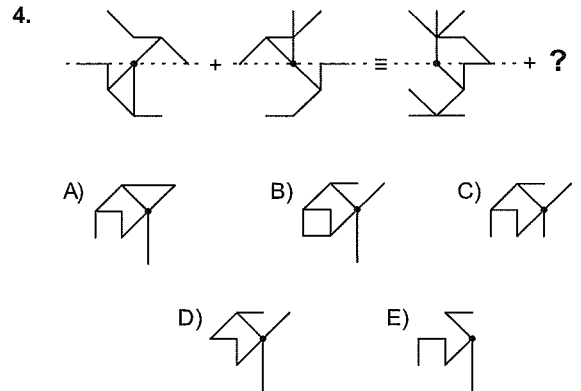
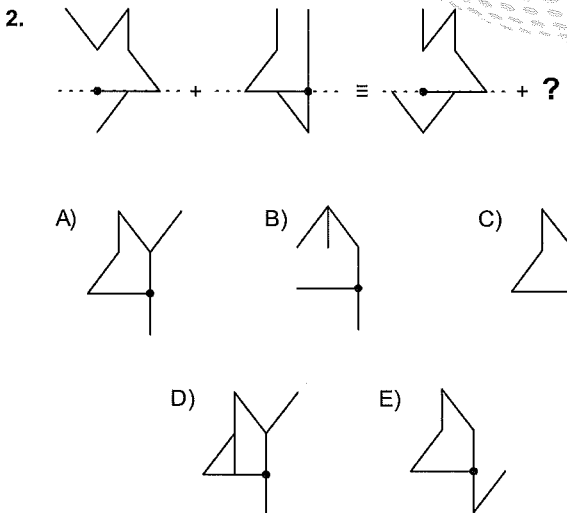
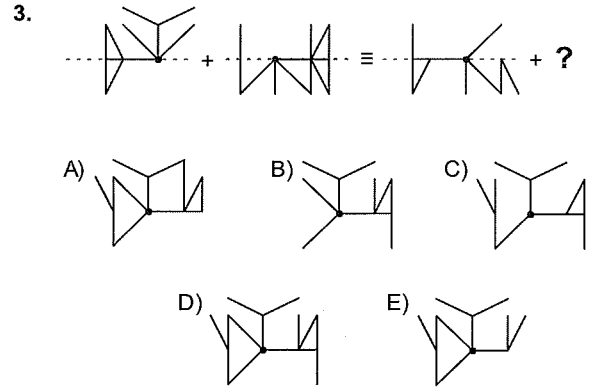
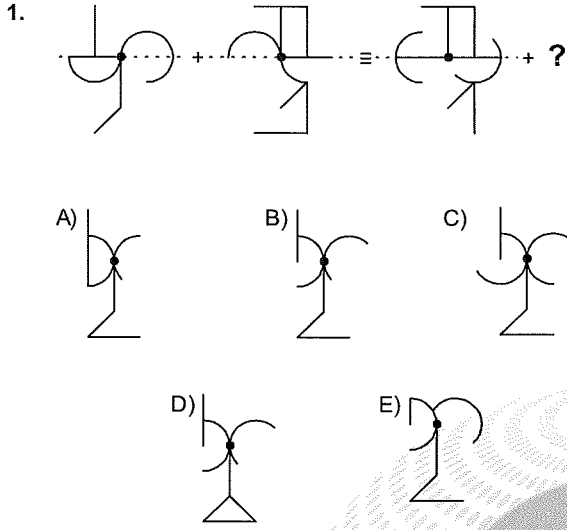
4. 

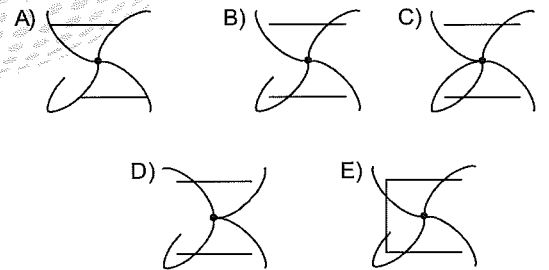
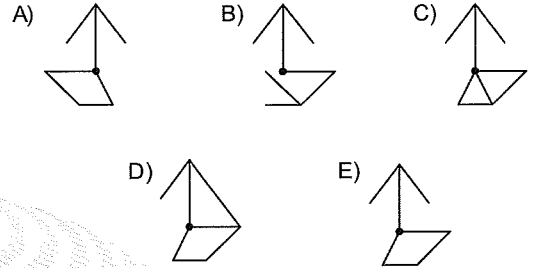
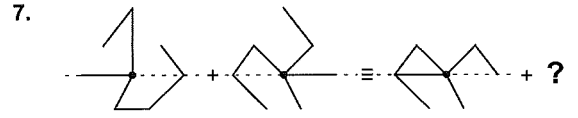
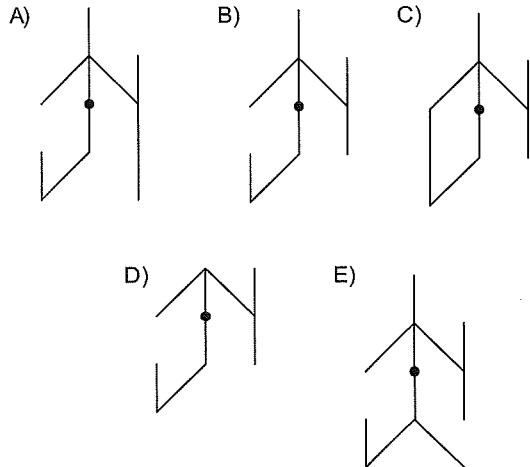
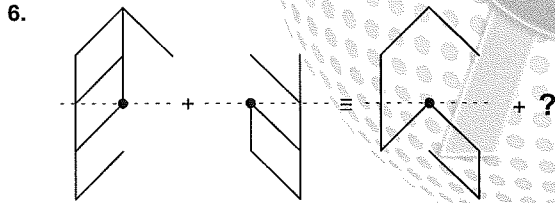
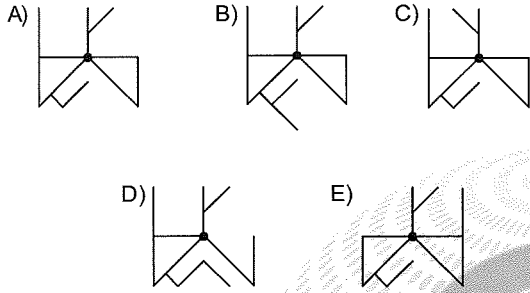
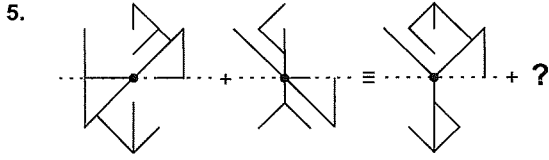
- A)  B)  C) 
D)  E) 



Cevap Anahtarı – Answer Sheet

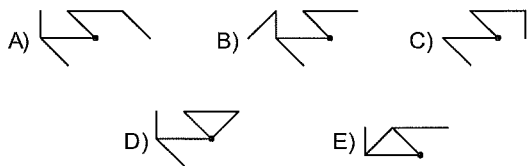
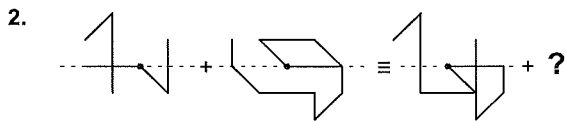
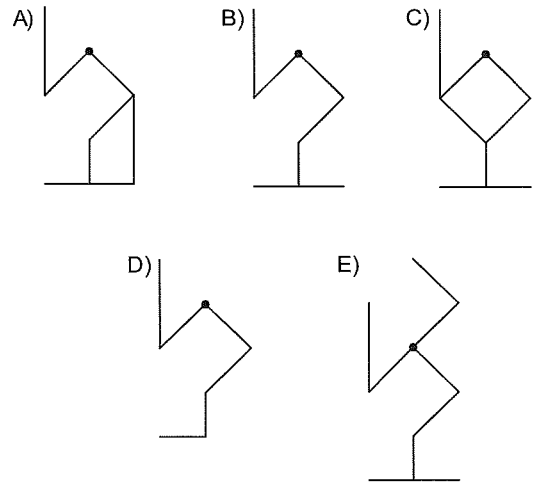
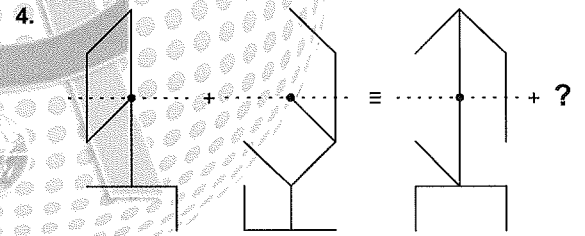
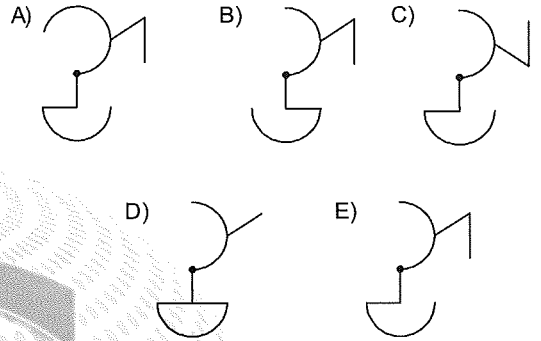
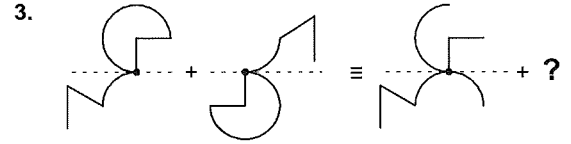
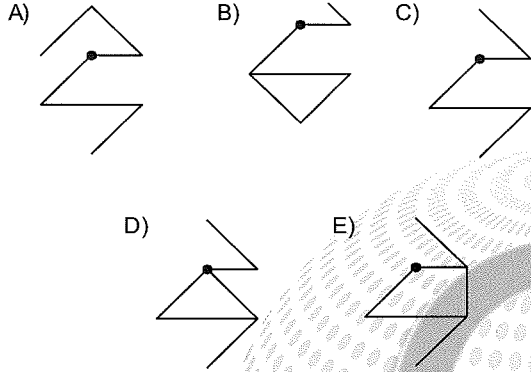
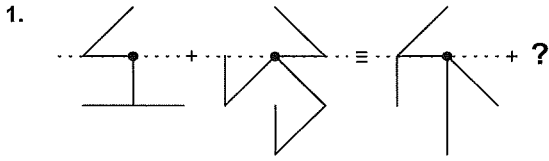
1.B	2.A	3.E	4.E
5.B	6.A	7.D	8.E

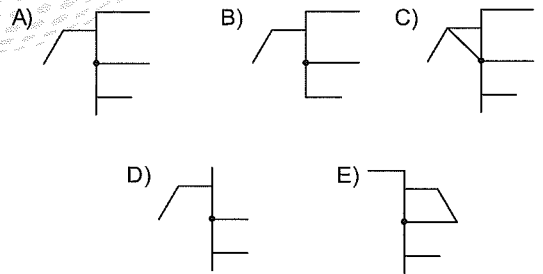
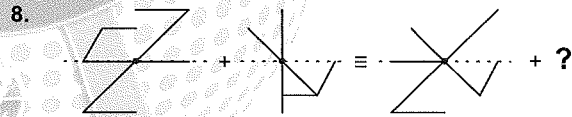
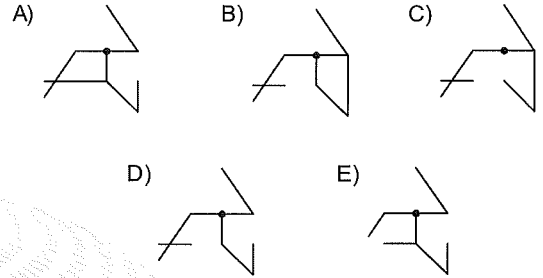
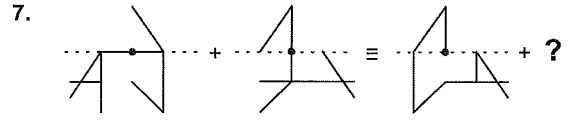
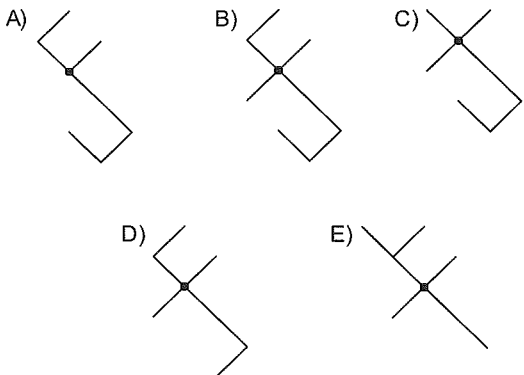
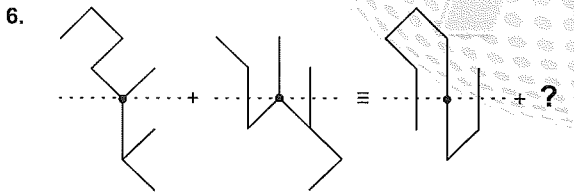
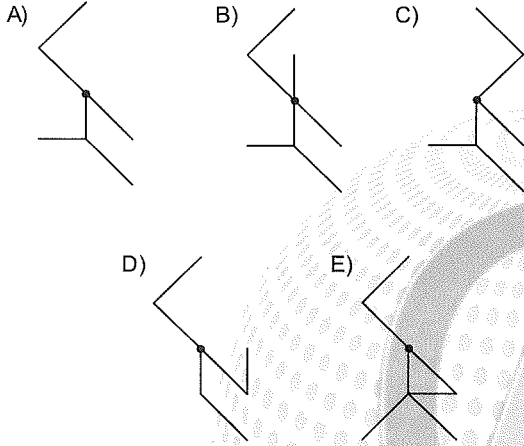
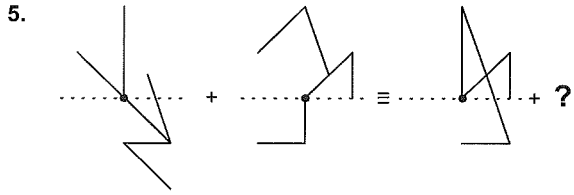




Cevap Anahtarı – Answer Sheet

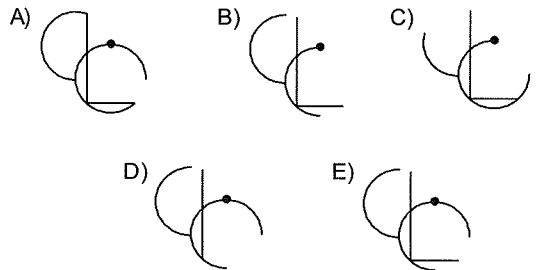
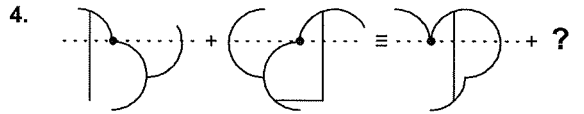
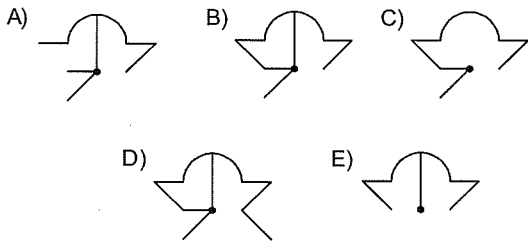
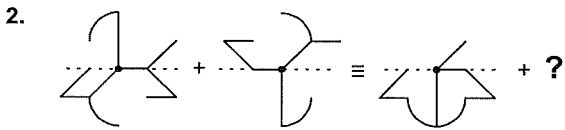
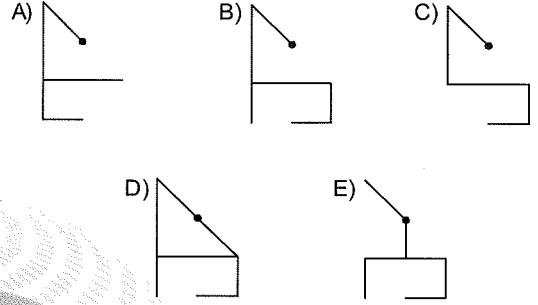
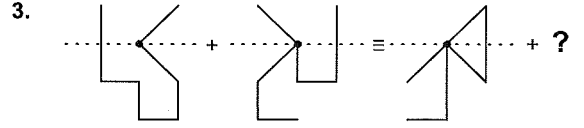
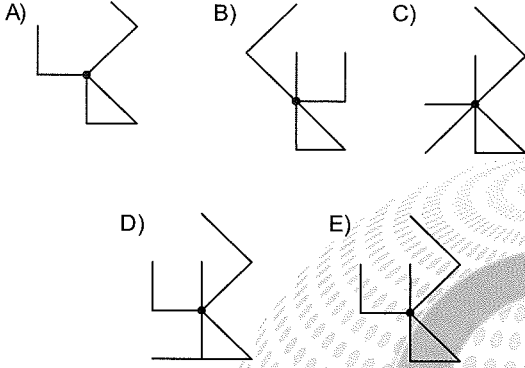
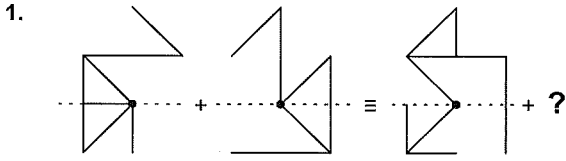
1.B	2.C	3.D	4.D
5.A	6.B	7.E	8.B





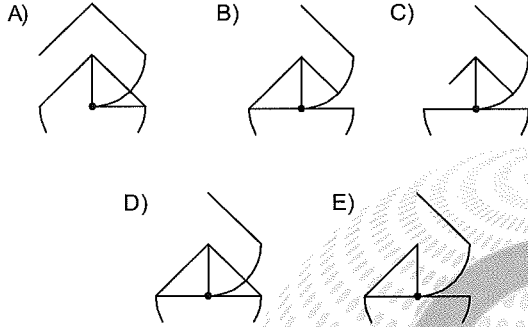
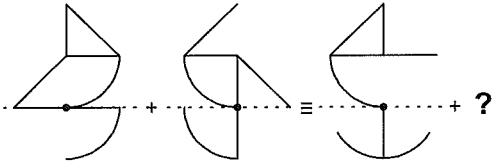
Cevap Anahtarı – Answer Sheet

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

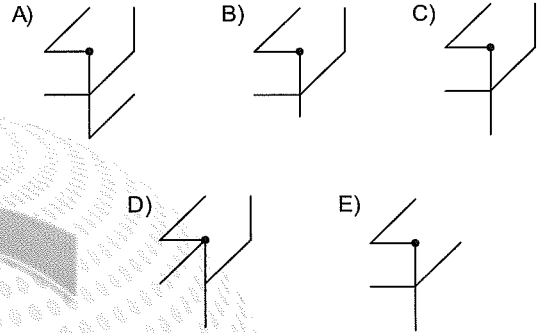
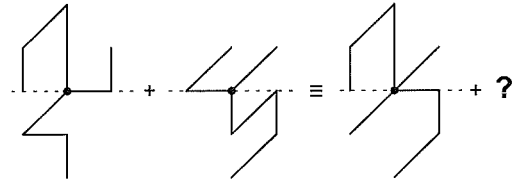




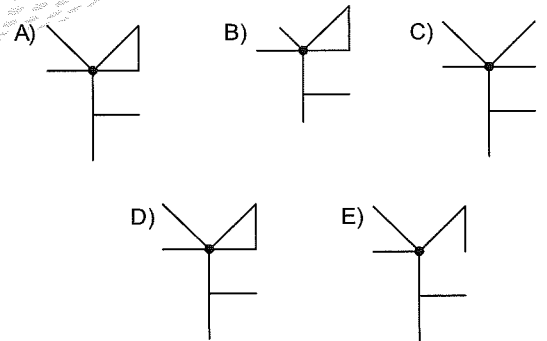
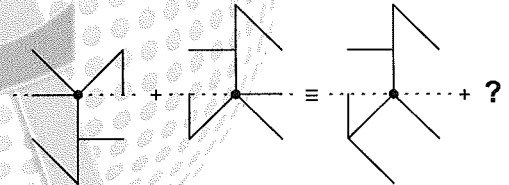
5.



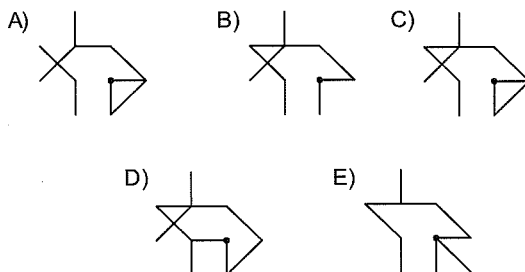
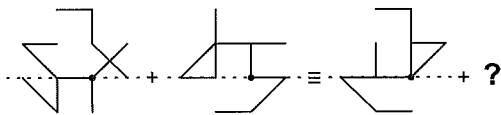
7.



8.

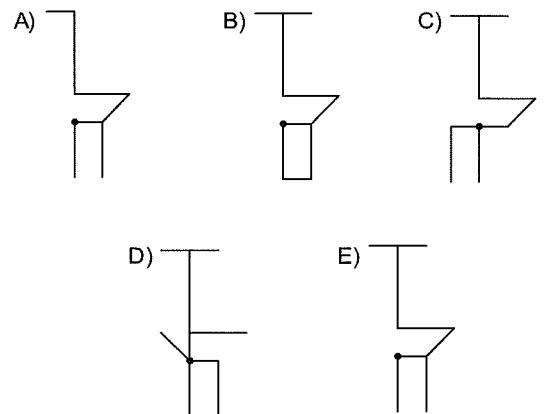
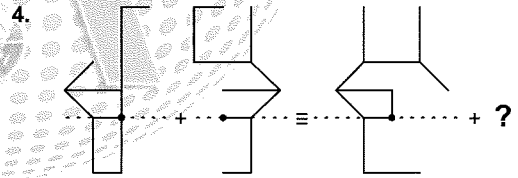
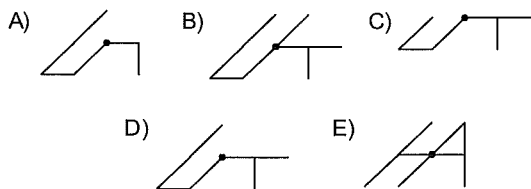
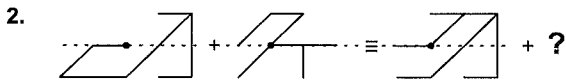
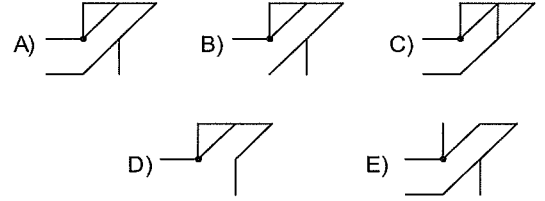
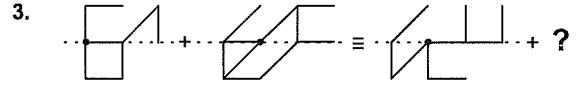
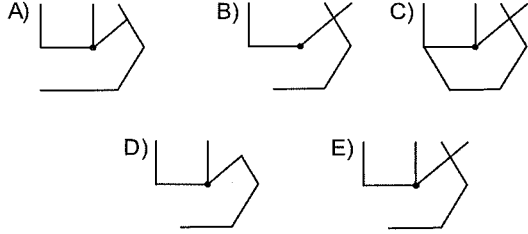
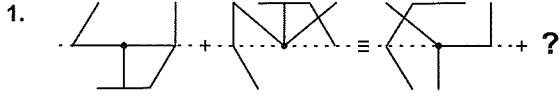


6.



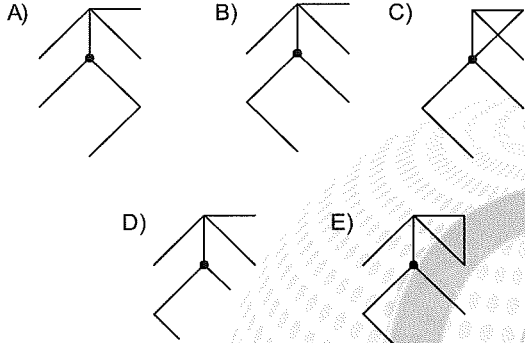
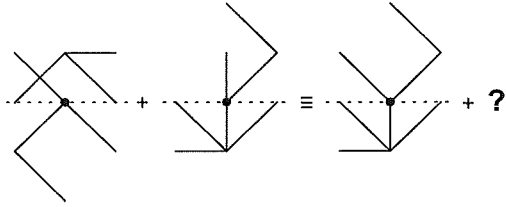
Cevap Anahtarı – Answer Sheet

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

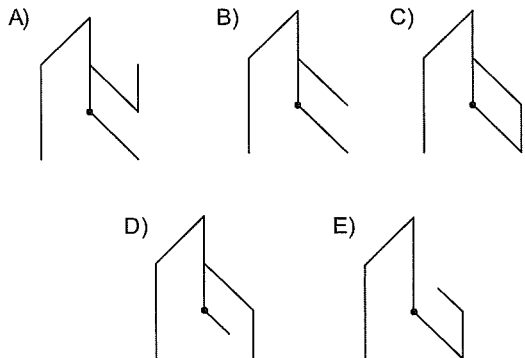
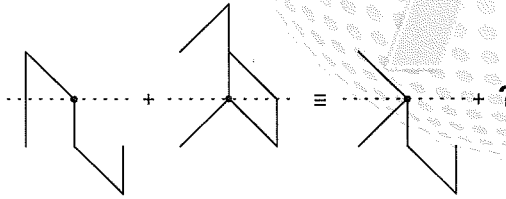




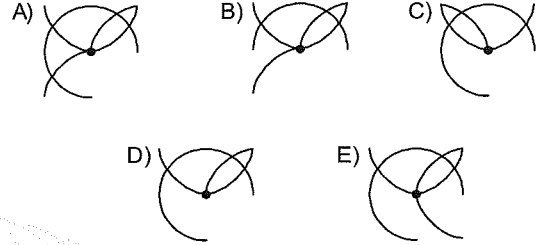
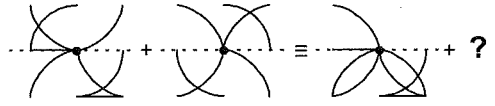
5.



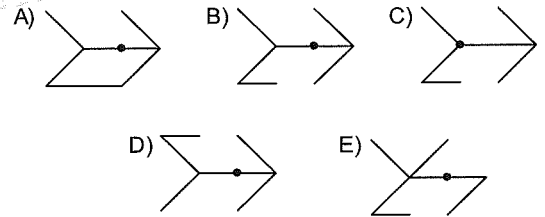
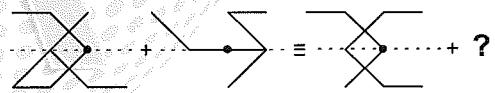
6.



7.

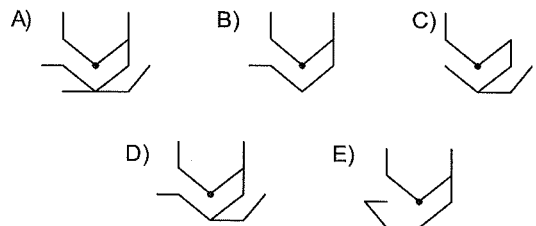
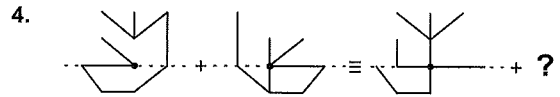
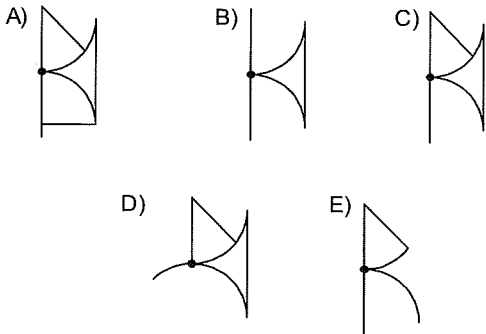
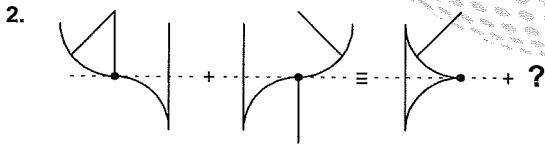
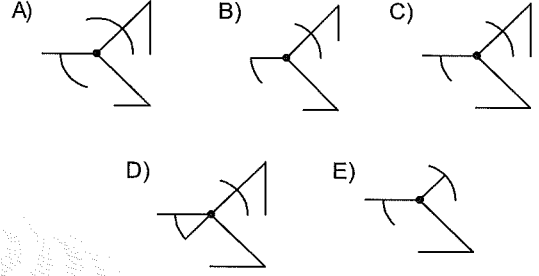
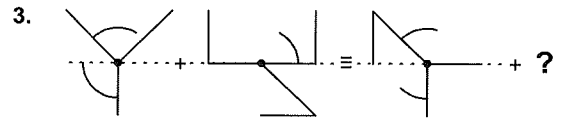
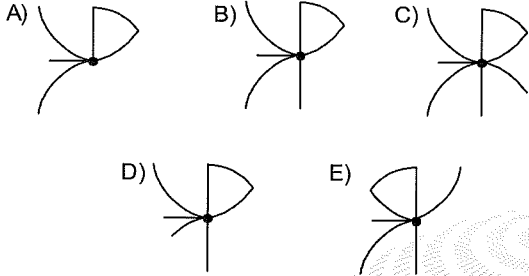
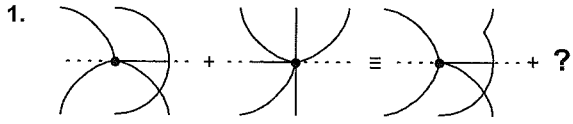


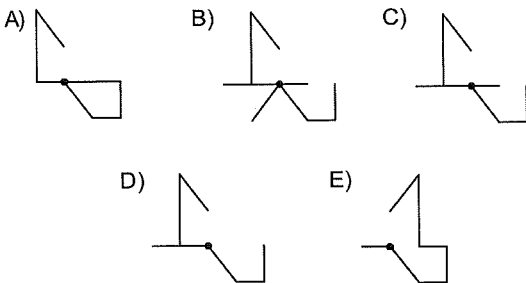
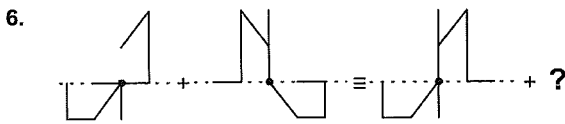
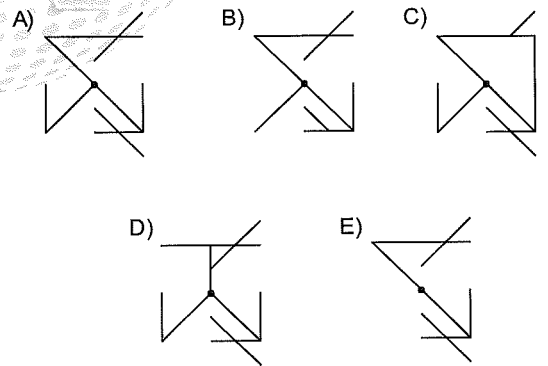
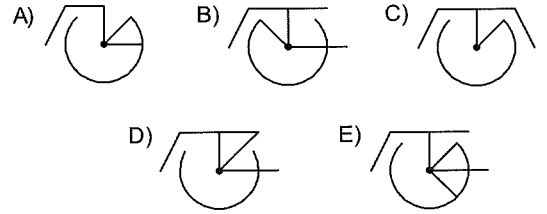
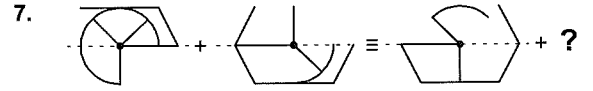
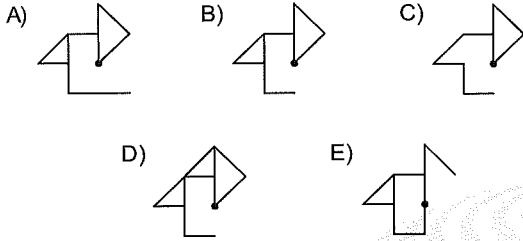
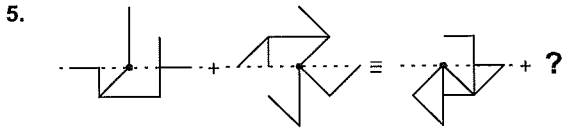
8.



Cevap Anahtarı – Answer Sheet

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



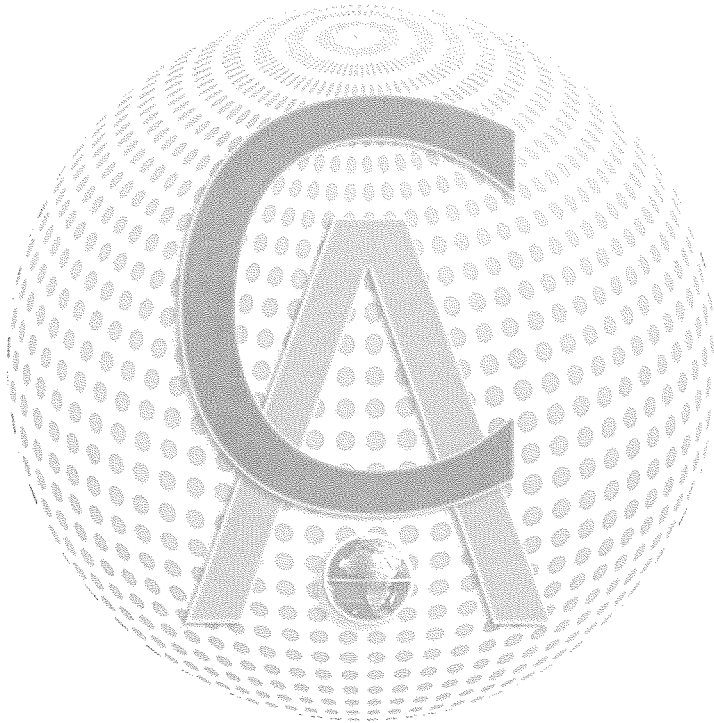


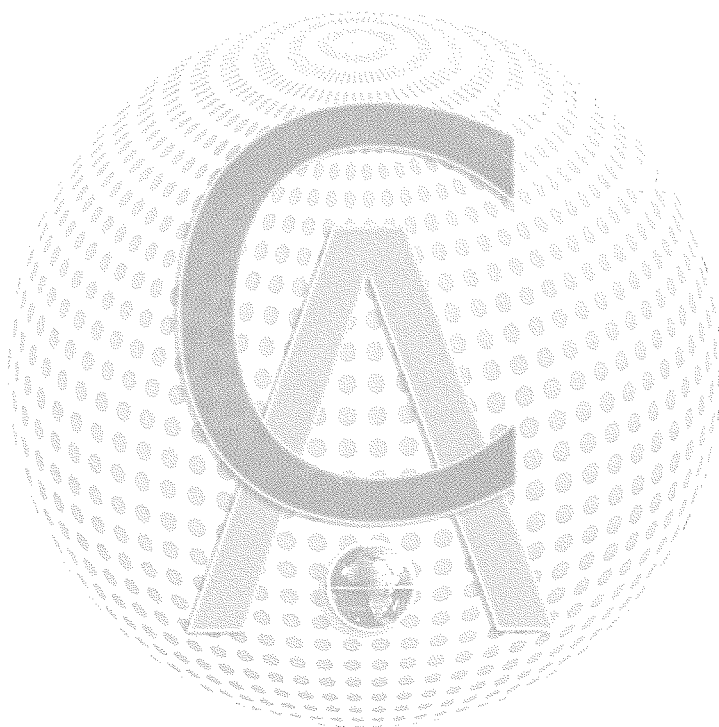
Cevap Anahtarı – Answer Sheet

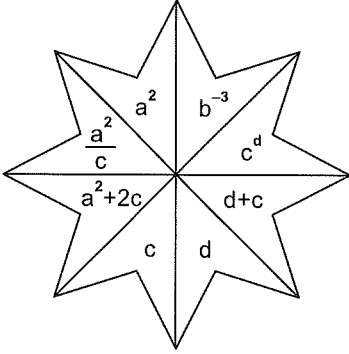
1.B	2.C	3.C	4.D
5.B	6.C	7.E	8.A

15. BÖLÜM

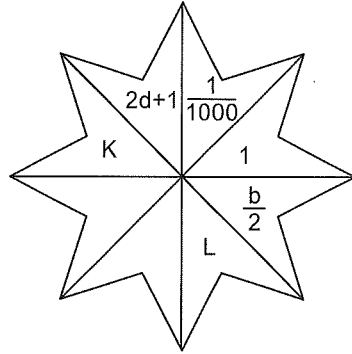
İŞLEM ÖRÜNTÜLERİ







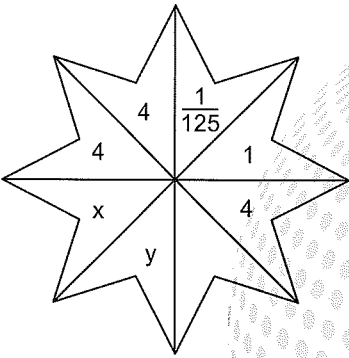
3.



$$K + L = ?$$

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

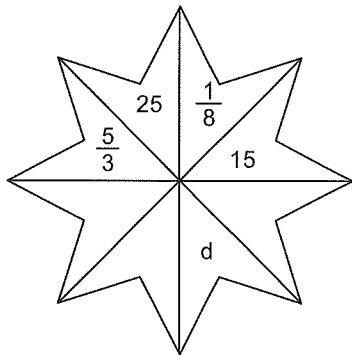
1.



$$\frac{x}{y} = ?$$

- A) 2 B) 4 C) 6 D) 8 E) 10

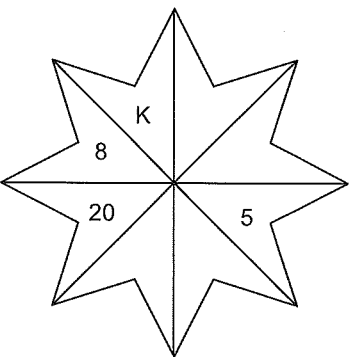
4.



$$d = ?$$

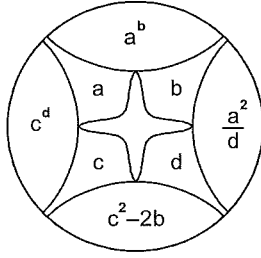
- A) 1 B) 2 C) 3 D) 4 E) 5

2.

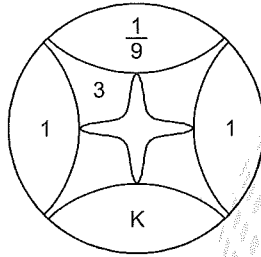


$$\sqrt{K} = ?$$

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

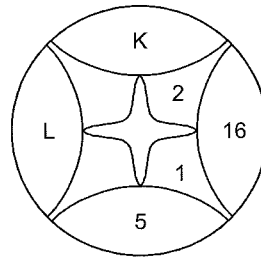


5.

 $K = ?$

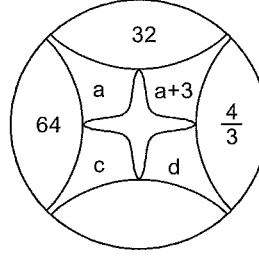
- A) 3 B) 5 C) 7 D) 9 E) 11

6.

 $K + L = ?$

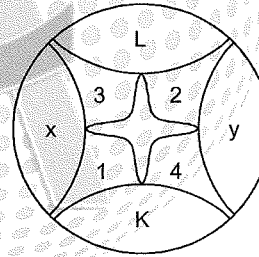
- A) 19 B) 20 C) 21 D) 22 E) 23

7.

 $a + b + c + d = ?$

- A) 7 B) 10 C) 12 D) 13 E) 14

8.



$$\frac{x \cdot L}{y \cdot \frac{1}{K}} = ?$$

- A) -9 B) -11 C) -12 D) -13 E) -15

Cevap Anahtarı – Answer Sheet

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



$\frac{a+b}{c}$	$a \cdot b + c$	
a	b	c
a.b	$\frac{b}{c}$	c^b

1.

K		L	
3			
12	b		

$K + L = ?$

- A) 20 B) 24 C) 26 D) 28 E) 30

2.

$\frac{9}{2}$	K	
	4	c
20		

$\frac{K}{c} = ?$

- A) 7 B) 11 C) 14 D) 17 E) 22

3.

10		
		3
	2	

$\frac{a}{b} = ?$

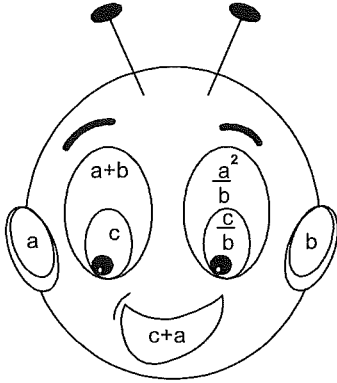
- A) 4 B) 8 C) 12 D) 16 E) 20

4.

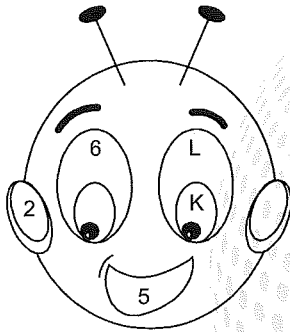
 K		
a		$\sqrt{2}$
15		$2\sqrt{2}$

$\frac{K}{2b} = ?$

- A) $\frac{2\sqrt{3}}{3}$ B) $\frac{\sqrt{2}}{3}$ C) $\frac{2\sqrt{2}}{5}$
D) $\frac{2\sqrt{2}}{3}$ E) $\frac{2\sqrt{3}}{5}$



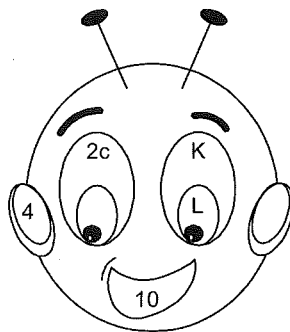
5.



$$\frac{K}{L} = ?$$

- A) $\frac{3}{4}$ B) 1 C) $\frac{3}{2}$ D) 2 E) $\frac{5}{2}$

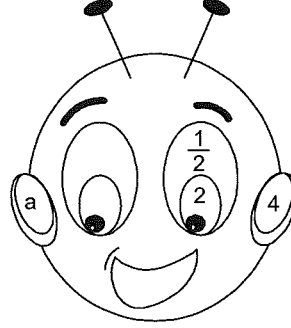
6.



$$K \cdot L = ?$$

- A) $\frac{5}{2}$ B) $\frac{3}{2}$ C) $\frac{1}{2}$ D) 1 E) 2

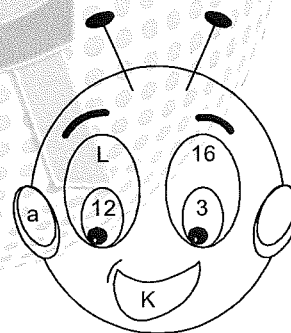
7.



$$\frac{c}{a^3} = ?$$

- A) $4\sqrt{2}$ B) $3\sqrt{2}$ C) $2\sqrt{2}$ D) $\sqrt{2}$ E) 2

8.

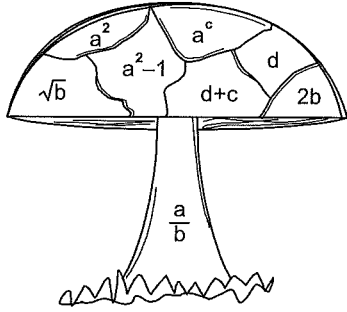


$$\frac{K+L}{a} = ?$$

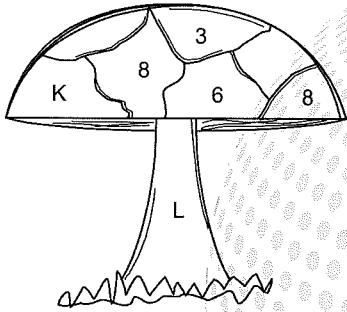
- A) 2 B) 3 C) 4 D) 5 E) 6

Cevap Anahtarı – Answer Sheet

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



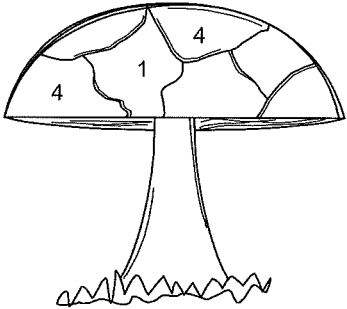
1.



$$\frac{K}{L} = ?$$

- A) $\frac{8}{3}$ B) $\frac{8}{5}$ C) $\frac{8}{6}$ D) $\frac{3}{8}$ E) 8

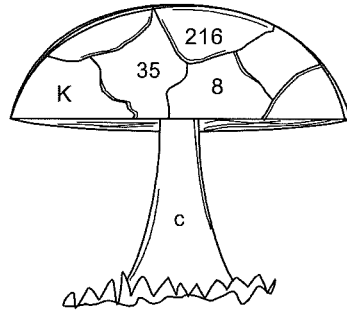
2.



$$b+c = ?$$

- A) 7 B) 11 C) 14 D) 17 E) 20

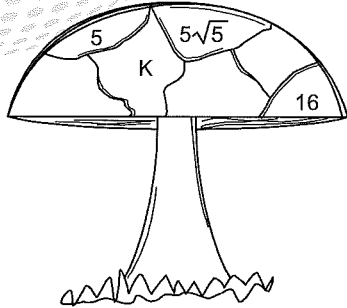
3.



$$\frac{a}{K} = ?$$

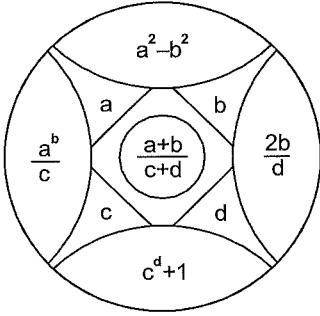
- A) $\frac{2}{\sqrt{2}}$ B) $\frac{3}{\sqrt{2}}$ C) $\frac{4}{\sqrt{2}}$ D) $\frac{5}{\sqrt{2}}$ E) $\frac{6}{\sqrt{2}}$

4.

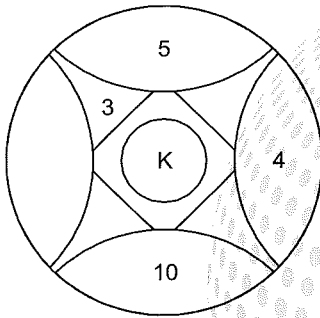


$$\frac{K}{\sqrt{b}} = ?$$

- A) 4 B) $\frac{2}{\sqrt{8}}$ C) $\sqrt{8}$ D) 8 E) $\sqrt{2}$



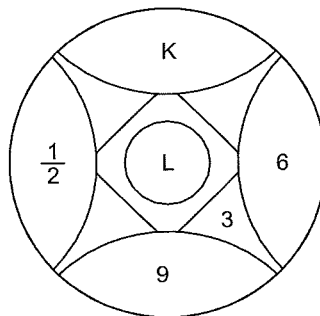
5.



K = ?

- A) $\frac{1}{2}$ B) $\frac{1}{3}$ C) 1 D) $\frac{2}{3}$ E) $\frac{4}{3}$

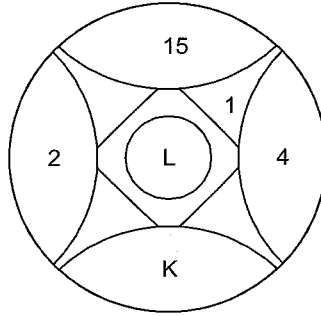
6.



$\frac{K}{L} = ?$

- A) -30 B) -35 C) -40 D) -50 E) -60

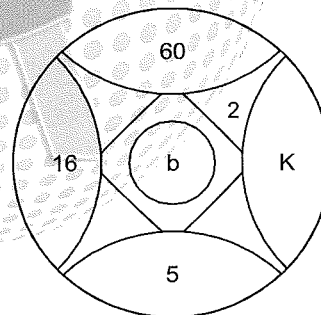
7.



K . L = ?

- A) $3\sqrt{2} + 2$ B) $2\sqrt{2} + 2$ C) $2\sqrt{4}$
D) $4\sqrt{2}$ E) $2\sqrt{2} + 3$

8.

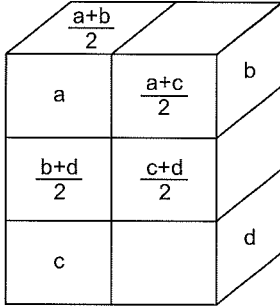


$\frac{K}{\sqrt{2}} = ?$

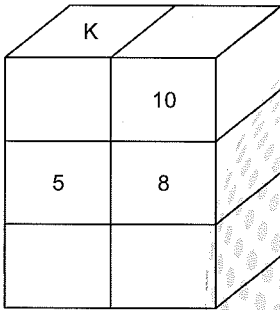
- A) 1 B) 2 C) $3\sqrt{2}$ D) $4\sqrt{2}$ E) $2\sqrt{2}$

Cevap Anahtarı – Answer Sheet

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



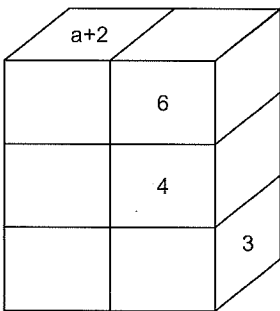
1.



$K = ?$

- A) 3 B) 5 C) 7 D) 9 E) 10

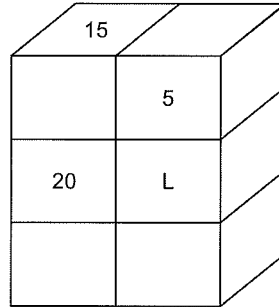
2.



$a - c = ?$

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

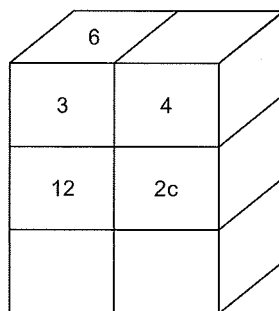
3.



$L = ?$

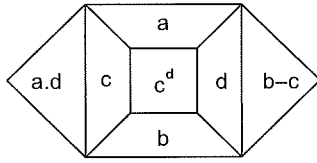
- A) 7 B) 8 C) 9 D) 10 E) 11

4.

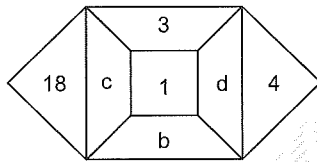


$c + d = ?$

- A) 10 B) 20 C) 22 D) 24 E) 30



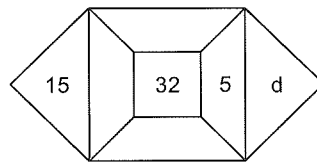
5.



$$\frac{b+c}{d} = ?$$

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

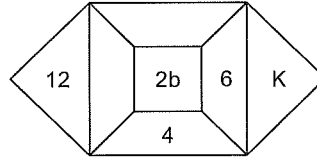
6.



$$\frac{2c+d}{a} = ?$$

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

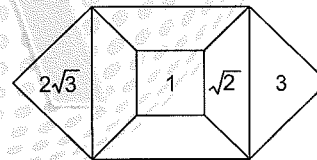
7.



$$\frac{k}{a} = ?$$

- A) $\frac{2-\sqrt{2}}{2}$ B) $\frac{4-\sqrt{2}}{2}$ C) $\frac{6-\sqrt{2}}{2}$
D) $\frac{8-\sqrt{2}}{2}$ E) $\frac{10-\sqrt{2}}{2}$

8.

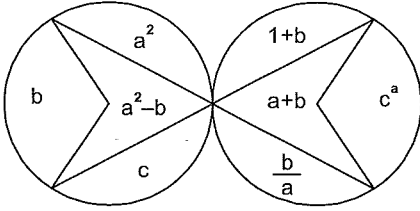


$$a \cdot b = ?$$

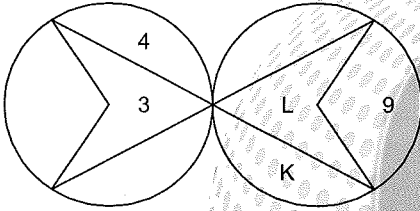
- A) $\sqrt{6}$ B) $2\sqrt{6}$ C) $2\sqrt{4}$ D) $4\sqrt{4}$ E) $4\sqrt{6}$

Cevap Anahtarı – Answer Sheet

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



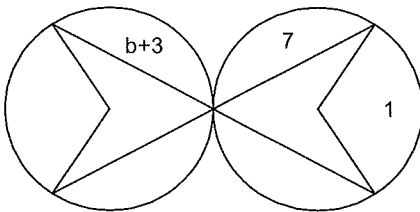
1.



$$K \cdot L = ?$$

- A) $\frac{2}{3}$ B) $\frac{3}{2}$ C) $\frac{4}{3}$ D) $\frac{3}{4}$ E) 2

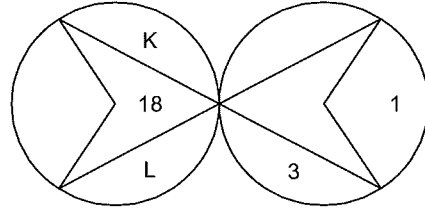
2.



$$\frac{b \cdot a}{c} = ?$$

- A) 12 B) 14 C) 16 D) 18 E) 20

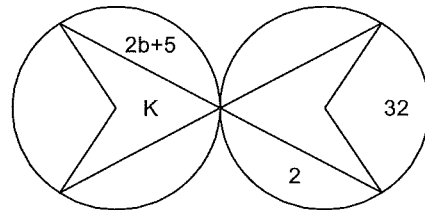
3.



$$\frac{K \cdot L}{b} = ?$$

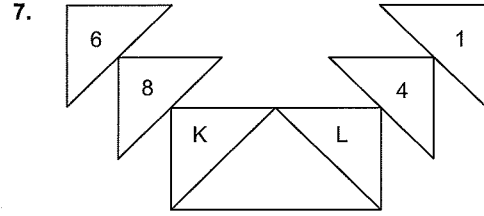
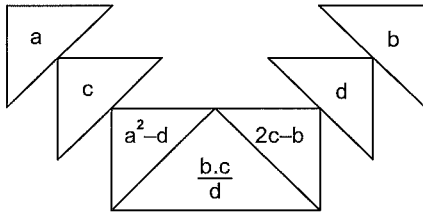
- A) 2 B) 4 C) 6 D) 8 E) 10

4.



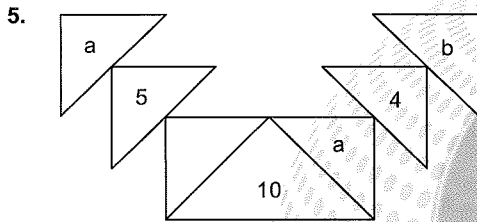
$$K + a = ?$$

- A) 16 B) 20 C) 22 D) 24 E) 30



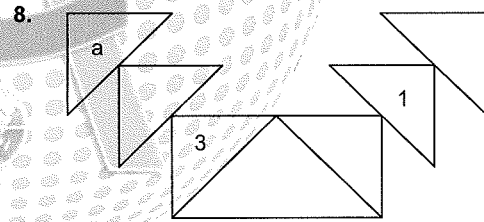
$$K - L = ?$$

- A) 20 B) 19 C) 18 D) 17 E) 16



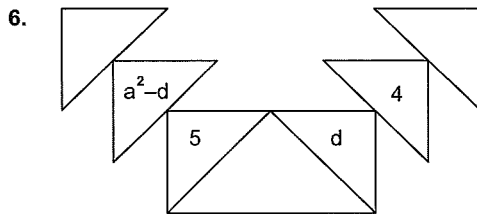
$$a + b = ?$$

- A) 4 B) 6 C) 8 D) 10 E) 14



$$a = ?$$

- A) $\sqrt{1}$ B) $\sqrt{2}$ C) $2\sqrt{2}$ D) $\sqrt{4}$ E) 4



$$\frac{2c + d}{a} = ?$$

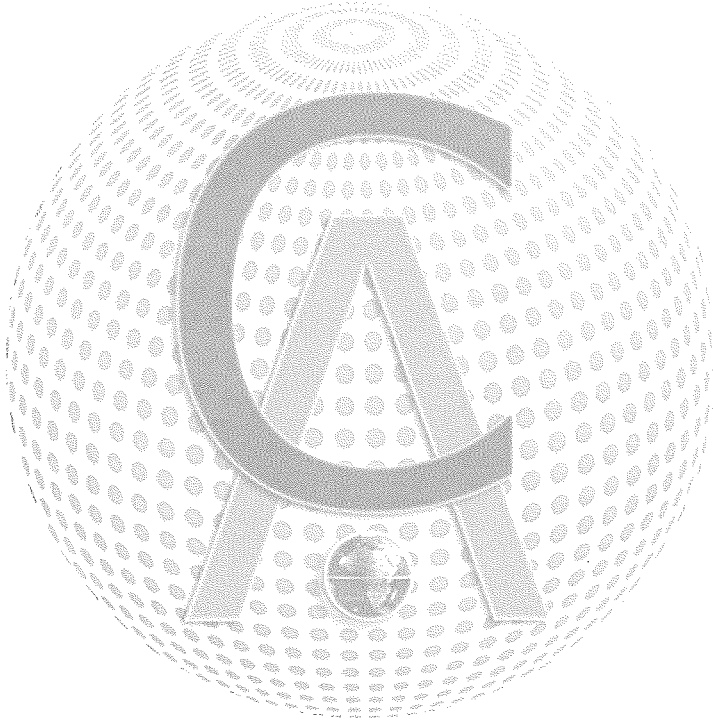
- A) 4 B) $\frac{14}{3}$ C) $\frac{15}{4}$ D) 5 E) $\frac{15}{2}$

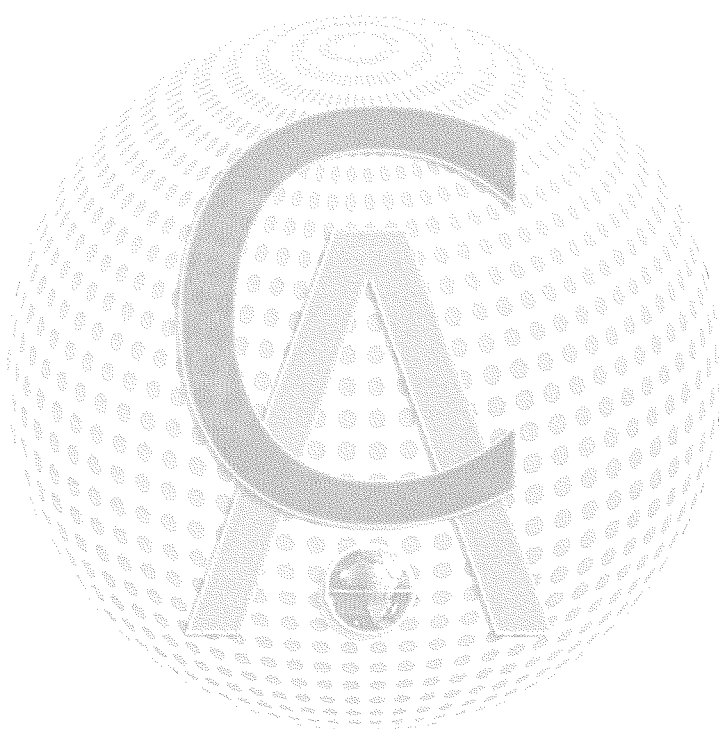
Cevap Anahtarı – Answer Sheet

1.B	2.D	3.A	4.B
5.D	6.B	7.D	8.D

16. BÖLÜM

ŞEKİL TABLOLARI







1.

π	∂	$\star$	$\heartsuit$	ℓ	$\triangle$
∂	π	$\heartsuit$	$\triangle$	ℓ	$\star$
$\star$	$\heartsuit$	$\triangle$	∂	π	$\triangle$
$\triangle$	ℓ	$\heartsuit$	π	∂	$\star$
π	$\triangle$	$\triangle$	$\star$	ℓ	∂
ℓ	$\star$	π	ℓ	∂	$\heartsuit$



I.

K	L
K	M
	L

II.

K	N
N	P

K = ℓ

M = $\star$

N = ?

P = ?

	N	P
A)	∂	π
B)	$\heartsuit$	$\triangle$
C)	∂	$\heartsuit$
D)	$\triangle$	$\heartsuit$
E)	π	∂

2.

$\star$	$\emptyset$	$\square$	$\triangle$	Σ	ℓ
ℓ	Σ	$\triangle$	$\star$	ℓ	$\emptyset$
$\emptyset$	$\square$	$\triangle$	$\star$	ℓ	Σ
Σ	$\triangle$	$\star$	ℓ	$\emptyset$	$\square$
$\square$	ℓ	$\star$	$\triangle$	$\square$	$\emptyset$
$\triangle$	$\star$	$\emptyset$	$\triangle$	Σ	Σ



I.

K	L
M	M

II.

M	N
K	N

K = $\square$

L = $\emptyset$

M = ?

N = ?

	M	N
A)	$\star$	ℓ
B)	Σ	$\star$
C)	$\emptyset$	$\triangle$
D)	Σ	$\triangle$
E)	ℓ	Σ



3.

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	K
	K	

$L = \notin$

II.

K	M	K
	L	

$M = ?$

- A) ∇ B) $\ni$ C) $\otimes$ D) $\star$ E) $\heartsuit$

4.

$\emptyset$	$\square$	$\boxplus$	$\times$	$\nearrow$	$\boxplus$	$\square$
$\boxplus$	$\in$	$\nearrow$	$\emptyset$	$\in$	$\diamond$	$\nearrow$
$\diamond$	$\emptyset$	$\diamond$	$\square$	$\boxplus$	$\square$	$\diamond$
$\in$	$\boxplus$	$\emptyset$	$\in$	$\square$	$\emptyset$	$\times$
$\times$	$\nearrow$	$\times$	$\diamond$	$\emptyset$	$\times$	$\boxplus$
$\square$	$\times$	$\in$	$\boxplus$	$\times$	$\nearrow$	$\in$
$\nearrow$	$\diamond$	$\diamond$	$\nearrow$	$\diamond$	$\in$	$\emptyset$

I.

M	L
K	K

$L = \in$
 $M = \times$

II.

	M
M	N
K	L

$K = ?$
 $N = ?$

	K	N
A)	$\in$	$\diamond$
B)	$\diamond$	$\emptyset$
C)	$\square$	$\emptyset$
D)	$\boxplus$	$\nearrow$
E)	$\diamond$	$\nearrow$

Cevap Anahtarı – Answer Sheet

1.C	2.D	3.B	4.E
-----	-----	-----	-----



1.

□	☆	◇	Ω	♂	□	✕
◇	□	▲	✕	☆	▲	♂
✕	◇	☆	♂	✕	◇	☆
☆	✕	□	▲	□	☆	Ω
▲	♂	Ω	◇	◇	☆	□
♂	▲	✕	☆	Ω	✕	◇
♂	Ω	♂	◇	▲	□	▲



I.

		L
K	K	L

II.

M	L
K	M

L = ☆

M = ?

A) ◇

B) □

C) Ω

D) ✕

E) ▲

2.

☆	■	☆	■	□	☆	■
●	△	☆	▲	△	◐	◐
△	□	◐	□	☆	▲	☆
▲	◐	▲	☆	◐	▲	◐
□	□	■	□	▲	△	☆
■	◐	■	◐	■	☆	■
◐	■	◐	△	☆	▲	△



I.

	K	K
L	M	L

II.

L	K	M
		M

K = ◐

L = ?

M = ?

A)

□

B)

●

C)

△

D)

■

E)

☆

M

☆

△

☆

□

△



3.

♥	⇔	⊗	♥	⇔	⊗	ℓ
☆	⊗	♥	△	ℓ	△	♥
△	△	ℓ	⊗	Σ	⇔	☆
ℓ	♥	⇔	☆	⊗	♥	Σ
⊗	ℓ	Σ	ℓ	△	ℓ	△
Σ	Σ	△	⇔	☆	☆	⇔
⇔	⇔	☆	Σ	♥	Σ	⊗

I.

K	K
L	L

K = Σ
L = ⇔

II.

K	L	M
N	P	K

N = ?
P = ?

- | | | |
|----|---|---|
| | N | P |
| A) | ♥ | ⇔ |
| B) | ℓ | Σ |
| C) | ⇔ | ☆ |
| D) | Σ | ℓ |
| E) | ⊗ | ♥ |

4.

⇒	Σ	△	☆	⇒	△	☆
ℓ	△	☆	ℓ	Σ	↶	Σ
△	ℓ	⇒	↶	☆	⇒	△
☆	⇒	Σ	△	↶	ℓ	ℓ
↶	↶	↗	⇒	☆	↗	↶
↗	↗	↶	Σ	↗	↶	⇒
Σ	☆	ℓ	↗	⇒	☆	↗

I.

K	K	L
L	L	K

K = ↶
L = ↗

II.

K	N	N
M	L	K

M = ?
N = ?

- | | | |
|----|---|---|
| | M | N |
| A) | ↶ | ☆ |
| B) | ↗ | ⇒ |
| C) | ☆ | △ |
| D) | ☆ | ℓ |
| E) | ↶ | △ |

Cevap Anahtarı – Answer Sheet

1.B	2.E	3.E	4.D
-----	-----	-----	-----



1.

☆	☒	♥	△	♥	△	☒
●	△	◐	●	●	☒	♥
△	●	☆	☒	♥	◐	□
□	◐	△	☆	●	♥	△
☒	♥	☒	♥	☆	△	◐
♥	☆	●	◐	☒	●	☒
◐	□	♥	●	△	□	●

I.

K	L	K
		L

K = ☒
L = ●

II.

K	M	K
	N	L

M = ?
N = ?

	M	N
A)	♥	□
B)	△	◐
C)	☆	♥
D)	□	●
E)	♥	☆

2.

⌘	↗	Σ	ℓ	♥	∅
∅	Σ	ℓ	♥	↗	⌘
ℓ	⌘	♥	↗	⌘	Σ
Σ	↗	∅	ℓ	♥	⌘
♥	ℓ	⌘	Σ	Σ	↗
↗	⌘	♥	Σ	♥	♥

I.

M	K	L
K	L	

M = ♥

II.

L	K	N
	N	P

N = ?
P = ?

	N	P
A)	Σ	ℓ
B)	↗	⌘
C)	⌘	↗
D)	ℓ	Σ
E)	Σ	∅



3.

♥	≤	☆	π	≤	♥
≤	♥	π	♥	☆	π
π	☆	⊕	☆	☆	≤
⊕	⊕	⊕	≤	⊕	⊕
☆	≤	♥	⊕	π	↔
↔	π	↔	↔	♥	☆



I.

K	L	K
M	N	M

K = ♥
N = ⊕

II.

K	N	L
P	P	

P = ?
L = ?

	P	L
A)	↔	π
B)	☆	↔
C)	↔	≤
D)	≤	π
E)	π	↔

4.

π	≥	⊗	●	□	△
⊗	□	π	π	⊗	●
≥	△	≥	△	≥	π
□	π	□	⊗	△	□
△	●	●	≥	△	⊗
●	⊗	△	□	π	≥



I.

L	K	K
K	M	L

K = ●
L = △
M = ⊗

II.

K	N	L
P	M	K

N = ?
P = ?

	N	P
A)	≥	π
B)	⊗	□
C)	□	π
D)	□	≥
E)	△	●

Cevap Anahtarı – Answer Sheet

1.E	2.A	3.A	4.C
-----	-----	-----	-----



1.

✕	△	○	☆	♡	#
#	○	☆	♡	✕	△
△	#	♡	✕	△	○
○	♡	☆	♡	○	#
△	#	✕	☆	△	○
✕	△	☆	♡	#	✕



I.

	K	
K	L	K

L = ☆

II.

L	K
K	M

M = ?

A) ♡ B) ✕

C) △

D) #

E) ○

2.

⊠	△	☆	⊠	ℓ	△
△	≥	⊠	♡	≥	ℓ
≥	☆	△	ℓ	△	⊠
☆	⊠	ℓ	≥	☆	☆
♡	♡	⊠	△	♡	≥
ℓ	ℓ	≥	☆	⊠	♡



I.

	K	L
M	M	K

K = ⊠

M = ♡

II.

K	M	P
	L	N

P = ?

N = ?

P

A)

ℓ

B)

≥

C)

△

D)

☆

E)

☆

N

△

△

ℓ

△

≥



3.

♥	▷	Π	ℓ	♥	ℓ
Π	ℓ	▷	♥	Π	▷
ℓ	♣	♣	Σ	♣	♣
Σ	♥	Σ	▷	Σ	Π
♣	Σ	♥	♣	ℓ	♥
▷	ℓ	ℓ	Π	▷	Σ

I.

K	K	L
	L	M

K = ♣
L = Σ

II.

M	L	P
---	---	---

M = ?
P = ?

	M	P
A)	Π	▷
B)	♥	ℓ
C)	Π	ℓ
D)	▷	♥
E)	▷	Π

4.

▷	☆	ℓ	Ω	▷	▷
♣	♣	☆	Ω	♣	ℓ
ℓ	ℓ	Ω	▷	Π	☆
☆	Ω	▷	ℓ	Ω	♣
Ω	Π	♣	Π	ℓ	Π
Π	▷	ℓ	♣	☆	Ω

I.

K	L	L
K		

K = Ω
L = ▷

II.

K	L	N
	K	P

N = ?
P = ?

	N	P
A)	♣	Π
B)	ℓ	Π
C)	Π	♣
D)	Π	☆
E)	☆	♣

Cevap Anahtarı – Answer Sheet

1.B	2.B	3.E	4.C
-----	-----	-----	-----



1.

△	□	Σ	♥	△	Σ
Σ	#	ℓ	#	♥	♥
ℓ	♥	♥	□	Σ	△
♥	ℓ	#	Σ	□	#
#	Σ	□	ℓ	#	□
□	△	△	△	♥	ℓ



I.

K	L	K
M	M	

K = #

M = ♥

II.

M	M
L	K
P	R

P = ?

R = ?

	P	R
A)	△	Σ
B)	ℓ	□
C)	Σ	□
D)	□	ℓ
E)	Σ	△

2.

△	□	Σ	♥	△	Σ
Σ	#	ℓ	#	♥	♥
ℓ	♥	♥	□	Σ	△
♥	ℓ	#	Σ	□	#
#	Σ	□	ℓ	#	□
□	△	△	△	♥	ℓ



I.

K	K
K	L

K = ♥

L = ℓ

II.

M	N
K	L

M = ?

N = ?

	M	N
A)	#	□
B)	△	□
C)	#	△
D)	□	#
E)	△	Σ



3.

▷	☆	ℓ	Ω	▷	▷
♂	♂	☆	Ω	♂	ℓ
ℓ	ℓ	Ω	▷	Π	☆
☆	Ω	▷	ℓ	Ω	♂
Ω	Π	♂	Π	ℓ	Π
Π	▷	ℓ	♂	☆	Ω



I.

K	L
M	M
N	N

II.

P	N	P
M	L	R

$$M = ♂$$

$$N = ℓ$$

$$K = ?$$

$$R = ?$$

- | | | |
|----|----------|----------|
| | <u>K</u> | <u>R</u> |
| A) | ℓ | Ω |
| B) | ▷ | Ω |
| C) | ☆ | Ω |
| D) | ▷ | ☆ |
| E) | Ω | ℓ |

4.

☆	∅	∅	◻	⊗	⊗	▼
⊗	☆	⇒	⇒	◻	◻	☆
Σ	☆	▼	◆	⇒	▼	∅
◻	Σ	◆	▼	∅	⊗	◆
⇒	Σ	▼	◻	☆	☆	Σ
⇒	◆	Σ	⊗	∅	▼	◻
◻	☆	⊗	◆	⊗	⇒	☆



I.

K
L K M
L

II.

N	N
L	M

$$K = Σ$$

$$M = ▼$$

$$N = ?$$

$$L = ?$$

- | | | |
|----|----------|----------|
| | <u>N</u> | <u>L</u> |
| A) | ☆ | ∅ |
| B) | ⇒ | ◻ |
| C) | ∅ | ⊗ |
| D) | ◻ | ⇒ |
| E) | ◆ | ◻ |

Cevap Anahtarı – Answer Sheet

1.C	2.A	3.B	4.D
-----	-----	-----	-----



1.

$\leq$	$\Leftrightarrow$	$\ni$	●	Ω	Ω	$\leq$
$\ni$	●	$\leq$	Ω	$\nearrow$	$\ni$	$\Leftrightarrow$
Ω	☆	●	☆	$\leq$	Ω	$\ni$
$\nearrow$	Ω	$\nearrow$	$\leq$	●	$\nearrow$	$\nearrow$
☆	$\nearrow$	☆	$\ni$	$\ni$	☆	●
●	$\ni$	$\Leftrightarrow$	☆	$\Leftrightarrow$	$\leq$	$\Leftrightarrow$
$\Leftrightarrow$	$\leq$	$\Leftrightarrow$	$\nearrow$	$\nearrow$	●	Ω

I.

K	
L	K L

K = ●

II.

L	M
M	K N

M = ?

N = ?

	M	N
A)	$\nearrow$	$\leq$
B)	$\Leftrightarrow$	Ω
C)	$\leq$	☆
D)	☆	$\nearrow$
E)	$\leq$	$\nearrow$

2.

♥	✱	♂	⊠	✱	π	Σ
π	☆	π	Σ	☆	✱	⊠
✱	π	☆	♂	⊠	♂	♥
♂	♂	✱	π	Σ	☆	✱
Σ	Σ	⊠	✱	♂	⊠	π
⊠	☆	♥	♥	π	♥	☆
☆	♥	☆	☆	♥	Σ	♂

I.

K	K	L
	M	L

L = ✱

M = ⊠

II.

K	M	K
N		P

N = ?

P = ?

	N	P
A)	♂	♥
B)	π	☆
C)	Σ	☆
D)	☆	π
E)	π	Σ



3.

☆	∅	⇒	∅	∅	♥	#
☒	☆	△	☒	⇒	☒	☒
⇒	☒	♥	♥	#	☆	☆
∅	♥	#	△	♥	☒	△
△	#	☒	⇒	△	⇒	#
#	⇒	∅	♥	☒	△	♥
♥	△	☆	#	⇒	△	♥

I.

K	K
L	M

M = △

II.

M	N
	M
	M

N = ?

K = ?

	N	K
A)	⇒	♥
B)	☒	#
C)	♥	#
D)	∅	⇒
E)	♥	⇒

4.

☒	✕	⇒	π	♥	Σ	✕
⇒	π	♥	Σ	☆	♥	⇒
✕	⇒	π	⇒	☒	π	Σ
π	Σ	☆	✕	♥	✕	☒
☆	♥	☒	☆	⇒	☆	♥
♥	☒	Σ	☒	π	π	☒
Σ	π	π	⇒	✕	♥	π

I.

K	L	M
L	M	

M = ☒

K = ☆

II.

L	N	M
P		L

N = ?

P = ?

	N	P
A)	✕	♥
B)	♥	⇒
C)	π	♥
D)	✕	⇒
E)	π	Σ

Cevap Anahtarı – Answer Sheet

1.E	2.B	3.A	4.D
-----	-----	-----	-----



1.

△	#	□	∅	◇	#	◀
#	∅	◀	◇	△	#	△
∅	□	△	#	□	☆	◇
☆	◀	◇	☆	∅	△	#
◇	☆	∅	□	#	◀	□
□	△	☆	◀	∅	◇	∅
◀	□	#	△	☆	∅	☆



I.

K	L	M
M	K	

II.

	M	N
K	N	K

L = ◀
M = ◇

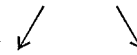
K = ?
N = ?

K N

- A) □ ∅
B) △ #
C) ☆ ∅
D) ☆ #
E) △ □

2.

☆	⊗	□	△	⊗	Σ	△
Σ	▽	Σ	□	△	ℓ	⊗
⊗	□	⊗	△	Σ	ℓ	□
□	☆	▽	Σ	▽	⊗	⊗
△	Σ	ℓ	⊗	□	△	□
ℓ	□	☆	▽	△	⊗	□
▽	ℓ	Σ	□	ℓ	Σ	▽



I.

K	L
M	K
	L

II.

	K	
K	N	P
	M	

L = △
M = Σ

N = ?
P = ?

N P

- A) ☆ ▽
B) □ ⊗
C) ℓ □
D) ☆ △
E) □ ▽



3.

∅	⌋	☑	♥	□	∂	♥
∂	☑	∅	♥	∅	▷	▷
♥	⌋	▷	☑	⌋	□	∅
⌋	▷	□	□	∂	⌋	▷
☑	□	♥	⌋	☑	♥	□
▷	♥	∂	▷	▷	∅	☑
□	∂	∂	∅	▷	☑	∂



I.

M	K	L
K	N	L

II.

K	R	L
P	L	

K = ☑

L = ♥

R = ?

N = ?

	R	N
A)	□	⌋
B)	⌋	∅
C)	∅	☑
D)	□	∅
E)	♥	▷

4.

∅	☒	↗	☒	▷	▷	☒
☒	☒	▷	∅	∅	☒	▷
▷	∅	☒	▷	▷	∅	↗
↗	▷	✕	✕	☒	✕	☒
✕	↗	∅	▷	↗	▷	▷
✕	↗	↗	∅	↗	✕	∅
☒	✕	☒	☒	∅	▷	∅



I.

K
K
L
M

II.

N	L
K	K

L = ∅

M = ✕

K = ?

N = ?

	K	N
A)	☒	▷
B)	↗	∅
C)	∅	☒
D)	∅	↗
E)	☒	↗

Cevap Anahtarı – Answer Sheet

1.C	2.A	3.D	4.E
-----	-----	-----	-----



1.

↗	↗	↶	Σ	ℓ	△	☆
☆	↗	Σ	△	↶	♥	↗
↶	△	△	↶	☆	ℓ	↶
ℓ	Σ	♥	△	↗	↶	↶
△	ℓ	☆	☆	ℓ	↗	☆
♥	↶	ℓ	↗	△	Σ	☆
Σ	♥	ℓ	☆	♥	☆	△

I.

K	K
	L
	K

L = ↗

II.

M	L
N	P

M = ?
N = ?
P = ?

	M	N	P
A)	☆	ℓ	♥
B)	↶	♥	☆
C)	↶	☆	♥
D)	♥	ℓ	↶
E)	ℓ	♥	↶

2.

◇	ℓ	⊗	Σ	⊗	◇	ℓ
△	△	⊗	◇	Σ	⊗	◇
⊗	◇	ℓ	⊗	⇔	△	⊗
⊗	⇔	△	ℓ	⊗	⇔	⊗
Σ	Σ	ℓ	⇔	⊗	◇	Σ
⇔	⊗	Σ	△	ℓ	ℓ	Σ
ℓ	⊗	⇔	◇	△	Σ	⇔

I.

K	L	M
	K	

K = Σ

II.

L	N	M
M		P

M = ?
N = ?
P = ?

	M	N	P
A)	△	⊗	⇔
B)	⇔	△	◇
C)	ℓ	⊗	△
D)	◇	⇔	⊗
E)	⇔	⊗	◇



3.

#	△	♡	●	#	△	♡
○	☆	○	#	△	☆	◐
△	#	☆	○	♡	#	●
♡	#	◐	☆	◐	♡	#
☆	●	#	◐	●	○	△
◐	◐	△	♡	○	○	●
●	♡	●	#	△	◐	☆

I.

K	L
K	M
	K

L = ☆

II.

L	M
M	N

M = ?
N = ?

	M	N
A)	♡	○
B)	◐	●
C)	#	◐
D)	◐	○
E)	△	●

4.

△	♡	Σ	∞	∅	⇒
⇒	Σ	∞	∅	♡	△
△	∞	♡	△	⇒	Σ
∅	⇒	△	∞	△	∅
∞	♡	⇒	△	Σ	∅
♡	∞	△	⇒	∅	Σ

I.

K	L	M
L		

L = ∞

II.

N	M
K	M

N = ?

K = ?

	N	K
A)	∅	♡
B)	⇒	△
C)	Σ	∅
D)	△	Σ
E)	△	⇒

Cevap Anahtarı – Answer Sheet

1.D	2.E	3.B	4.D
-----	-----	-----	-----



1.

☆	↗	Σ	⋈	ℓ	♥
♥	Σ	⋈	ℓ	☆	↗
↗	ℓ	♥	☆	Σ	⋈
⋈	♥	☆	ℓ	↗	Σ
Σ	↗	⋈	♥	☆	ℓ
ℓ	⋈	ℓ	↗	♥	☆

I.

K	L	M
	M	N

$$M = \Sigma$$

II.

P	K	R
	P	K

$$P = ?$$

$$K = ?$$

$$R = ?$$

	P	K	R
A)	♥	☆	ℓ
B)	↗	♥	⋈
C)	♥	ℓ	☆
D)	⋈	☆	ℓ
E)	ℓ	⋈	☆

2.

○	↔	∅	□	△	♥
♥	∅	□	△	○	↔
∅	□	△	○	↔	♥
□	↔	♥	∅	♥	△
△	♥	∅	△	↔	○
○	△	○	↔	∅	□

I.

K
L
L M

$$L = \emptyset$$

$$M = \square$$

II.

P
L
N K

$$P = ?$$

$$N = ?$$

$$K = ?$$

	P	N	K
A)	♥	↔	△
B)	↔	♥	○
C)	○	↔	△
D)	♥	○	↔
E)	△	○	↔



3.

●	☆	⊃	◇	☆	△
◇	⊃	◇	●	◇	⇔
☆	△	△	☆	⊃	◇
△	⇔	●	△	●	☆
⊃	●	☆	⇔	△	⊃
⇔	⊃	⇔	◇	⇔	●

I.

K	L
L	M

L = ⇔

II.

P	M	L
K	N	M

P = ?

N = ?

	P	N
A)	●	☆
B)	◇	⊃
C)	☆	⊃
D)	●	⊃
E)	☆	◇

4.

♥	△	□	≥	○	♥
○	♥	○	△	□	≥
π	□	≥	○	○	△
≥	♥	△	♥	≥	≥
□	□	♥	≥	♥	□
△	○	○	□	△	○

I.

	N
K	M
L	L

K = □

N = △

II.

L	M
P	K

P = ?

M = ?

	P	M
A)	♥	≥
B)	π	♥
C)	≥	○
D)	π	≥
E)	♥	○

Cevap Anahtarı – Answer Sheet

1.A	2.D	3.D	4.B
-----	-----	-----	-----



1.

ℓ	∞	□	♥	△	♥
∞	□	△	△	∞	□
♥	☆	∞	□	☆	△
□	△	♥	☆	□	△
☆	♥	☆	∞	♥	∞
△	△	△	△	□	☆

I.

K	L
L	K
	M

K = □
M = ♥

II.

N	M
P	K
L	

N = ?
P = ?

- | | | |
|----|---|---|
| | N | P |
| A) | △ | ☆ |
| B) | ☆ | ∞ |
| C) | ℓ | ☆ |
| D) | △ | ∞ |
| E) | ∞ | △ |

2.

✕	△	○	☆	♥	#
#	○	☆	♥	✕	△
△	#	♥	✕	△	○
○	♥	☆	♥	○	#
△	#	✕	☆	△	○
✕	△	☆	♥	#	✕

I.

K	L
M	K
L	N

K = #
L = ○
M = △

II.

P	M	L
N	K	

N = ?
P = ?

- | | | |
|----|---|---|
| | N | P |
| A) | △ | ○ |
| B) | ♥ | ☆ |
| C) | # | ○ |
| D) | ☆ | ♥ |
| E) | ♥ | △ |



3.

♥	△	□	○	×	⇔
⇔	♥	○	×	△	□
□	○	♥	×	⇔	△
△	×	♥	□	⇔	○
○	×	⇔	×	△	♥
♥	□	×	⇔	○	△

I.

K	L
K	M

M = ○
L = △

II.

N	L
K	N

K = ?
N = ?

- | | K | N |
|----|---|---|
| A) | ⇔ | □ |
| B) | × | ♥ |
| C) | ⇔ | ♥ |
| D) | ♥ | × |
| E) | □ | ⇔ |

4.

Σ	△	○	×	□	≥
≥	Σ	○	□	△	△
×	□	△	○	Σ	≥
≥	○	Σ	△	□	×
□	□	○	△	Σ	△
△	△	○	×	≥	□

I.

K	L
M	L
K	M

M = △

II.

T	L
P	N
K	

T = ?
N = ?
K = ?

- | | T | N | K |
|----|---|---|---|
| A) | Σ | ≥ | □ |
| B) | × | □ | Σ |
| C) | ○ | Σ | □ |
| D) | × | ○ | Σ |
| E) | □ | ○ | ≥ |

Cevap Anahtarı – Answer Sheet

1.D	2.B	3.C	4.D
-----	-----	-----	-----



1.

Σ	Δ	$\circ$	$\times$	$\square$	$\geq$
$\geq$	Σ	$\circ$	$\square$	Δ	Δ
$\times$	$\square$	Δ	$\circ$	Σ	$\geq$
$\geq$	$\circ$	Σ	Δ	$\square$	$\times$
$\square$	$\square$	$\circ$	Δ	Σ	Δ
Δ	Δ	$\circ$	$\times$	$\geq$	$\square$

I.

K
L
K K L

K = $\square$

II.

	M	
P	K	N
	M	

P = ?

N = ?

	P	N
A)	Δ	$\geq$
B)	Δ	$\times$
C)	$\times$	Σ
D)	$\square$	$\times$
E)	$\geq$	$\square$

2.

$\heartsuit$	Δ	$\square$	$\circ$	$\times$	$\Leftrightarrow$
$\Leftrightarrow$	$\heartsuit$	$\circ$	$\times$	Δ	$\square$
$\square$	$\circ$	$\heartsuit$	$\times$	$\Leftrightarrow$	Δ
Δ	$\times$	$\heartsuit$	$\square$	$\Leftrightarrow$	$\circ$
$\circ$	$\times$	$\Leftrightarrow$	$\times$	Δ	$\heartsuit$
$\heartsuit$	$\square$	$\times$	$\Leftrightarrow$	$\circ$	Δ

I.

K	M
L	N

K = $\circ$

N = $\square$

II.

K	L
M	L

L = ?

M = ?

	L	M
A)	$\heartsuit$	$\times$
B)	$\Leftrightarrow$	$\times$
C)	$\Leftrightarrow$	$\heartsuit$
D)	$\times$	$\heartsuit$
E)	$\heartsuit$	$\Leftrightarrow$



3.

♥	▷	Π	ℓ	♥	ℓ
Π	ℓ	▷	♥	Π	▷
ℓ	♂	♂	Σ	♂	♂
Σ	♥	Σ	▷	Σ	Π
♂	Σ	♥	♂	ℓ	♥
▷	ℓ	ℓ	Π	▷	Σ

I.

K	N
L	M
	L

L = Σ

II.

K	L
L	K
P	P

K = ?
P = ?

	P
A)	ℓ
B)	♂
C)	Π
D)	ℓ
E)	♂

	K
	Π
	♥
	ℓ
	♥
	▷

4.

⊗	⊙	△	∅	⊗	⊗	⊗
△	∅	⊗	⊗	☆	△	⊙
⊗	Π	∅	Π	⊗	⊗	△
☆	⊗	☆	⊗	∅	☆	☆
Π	☆	Π	△	△	Π	∅
∅	△	⊙	Π	⊙	⊗	⊙
Π	⊗	⊙	☆	☆	∅	⊗

I.

N	M	N
L	N	L

M = ⊗
N = ☆

II.

P	
M	
L	
T	P

P = ?
L = ?
T = ?

	P	L	T
A)	△	⊙	⊗
B)	Π	∅	△
C)	∅	Π	⊗
D)	∅	△	Π
E)	⊗	△	∅

Cevap Anahtarı – Answer Sheet

1.B	2.A	3.D	4.C
-----	-----	-----	-----



1.

♥	▷	Π	ℓ	♥	ℓ
Π	ℓ	▷	♥	Π	▷
ℓ	♂	♂	Σ	♂	♂
Σ	♥	Σ	▷	Σ	Π
♂	Σ	♥	♂	ℓ	♥
▷	ℓ	ℓ	Π	▷	Σ

I.

K	L	M
M	N	

M = Π

II.

T	N	K
M		

T = ?

N = ?

K = ?

	T	N	K
A)	Σ	♥	♂
B)	♂	Σ	♥
C)	ℓ	Π	▷
D)	♂	ℓ	♥
E)	ℓ	▷	♥

2.

#	△	♥	●	#	△	♥
○	☆	○	#	△	☆	△
△	#	☆	○	♥	#	●
♥	#	△	☆	△	♥	#
☆	●	#	△	●	○	△
△	△	△	♥	○	○	●
●	♥	●	#	△	△	☆

I.

K	
L	K
M	L

M = △

II.

K	N
P	M
L	

K = ?

L = ?

P = ?

	K	L	P
A)	○	☆	△
B)	♥	#	☆
C)	☆	●	△
D)	△	#	○
E)	○	☆	♥



3.

π	∂	☆	♥	ℓ	Δ
∂	π	♥	Δ	ℓ	☆
☆	♥	Δ	∂	π	Δ
Δ	ℓ	♥	π	∂	☆
π	Δ	Δ	☆	ℓ	∂
ℓ	☆	π	ℓ	∂	♥

I.

K	M
L	
M	

M = π

II.

K	
L	T
N	M

L = ?

N = ?

T = ?

	L	N	T
A)	Δ	♥	∂
B)	ℓ	Δ	♥
C)	ℓ	π	☆
D)	Δ	∂	ℓ
E)	☆	Δ	♥

4.

▷	☆	ℓ	Ω	▷	▷
♀	♀	☆	Ω	♀	ℓ
ℓ	ℓ	Ω	▷	π	☆
☆	Ω	▷	ℓ	Ω	♀
Ω	π	♀	π	ℓ	π
π	▷	ℓ	♀	☆	Ω

I.

K	K
L	L M

L = ℓ

M = Ω

II.

	M	K
N	L	N

N = ?

K = ?

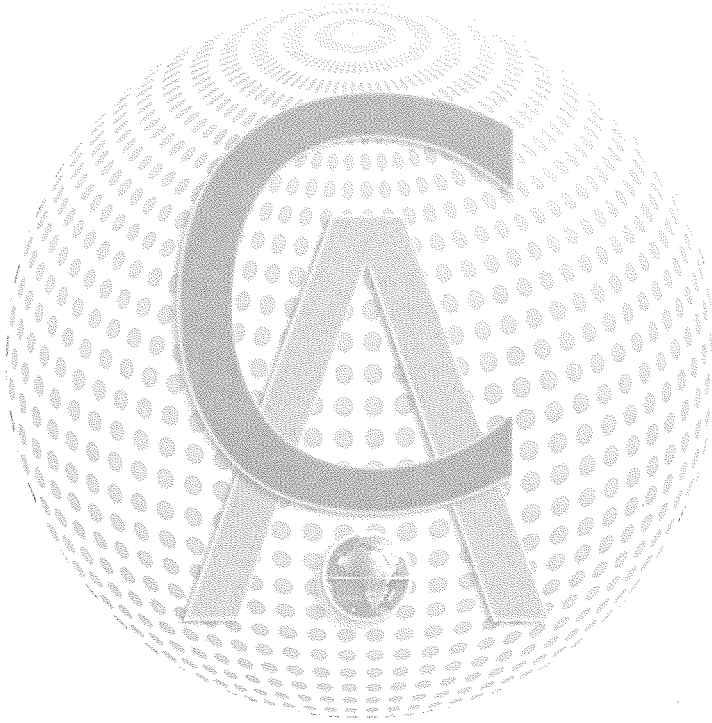
	K	N
A)	Ω	▷
B)	ℓ	π
C)	π	♀
D)	♀	π
E)	ℓ	Ω

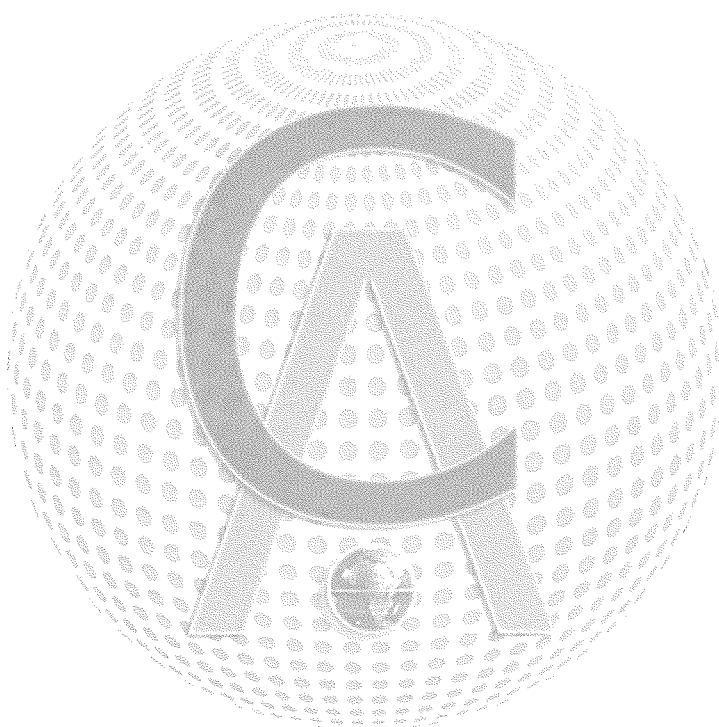
Cevap Anahtarı – Answer Sheet

1.D	2.A	3.D	4.D
-----	-----	-----	-----

17. BÖLÜM

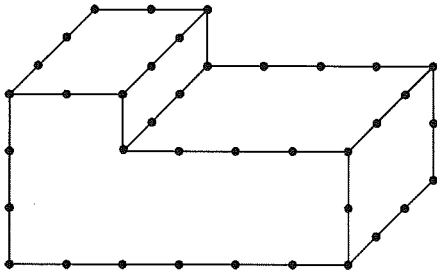
KÜP SAYMA





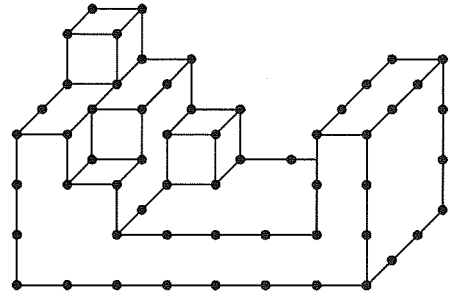


1.



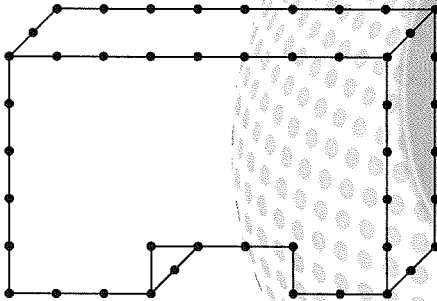
A) 40 B) 42 C) 43 D) 44 E) 46

4.



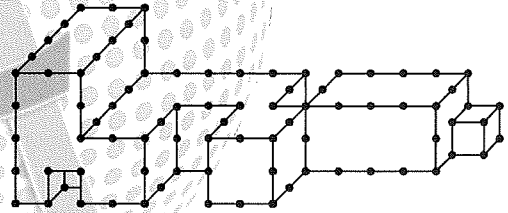
A) 38 B) 39 C) 40 D) 41 E) 42

2.



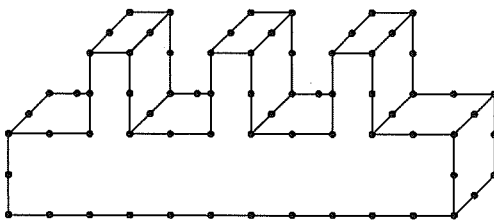
A) 68 B) 70 C) 72 D) 74 E) 76

5.



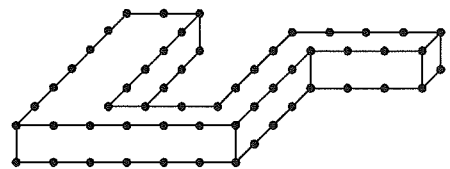
A) 90 B) 88 C) 86 D) 84 E) 82

3.



A) 56 B) 54 C) 52 D) 50 E) 48

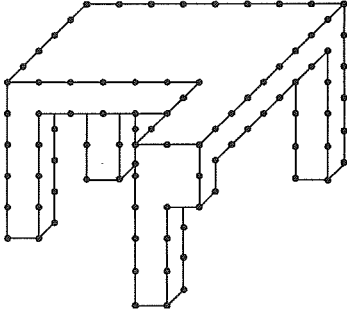
6.



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

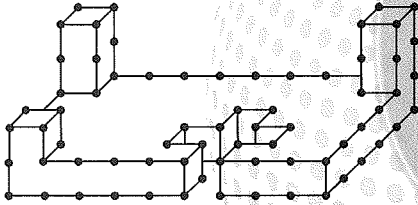


7.



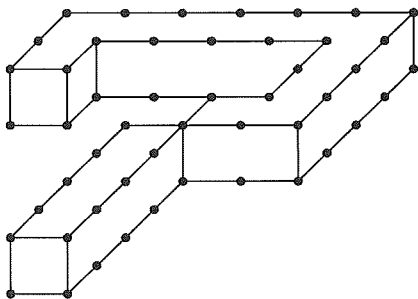
A) 66 B) 65 C) 64 D) 63 E) 62

8.



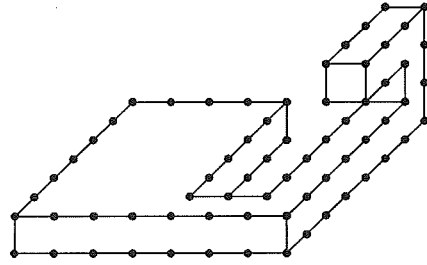
A) 48 B) 47 C) 46 D) 45 E) 44

9.



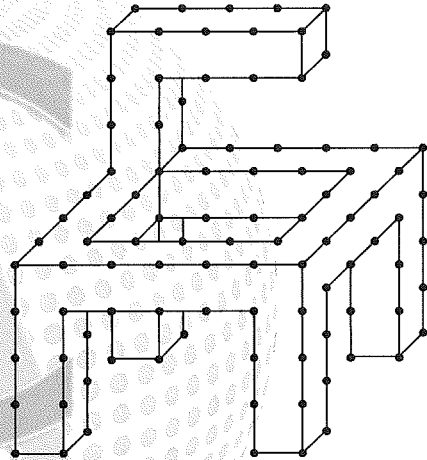
A) 11 B) 12 C) 13 D) 14 E) 15

10.



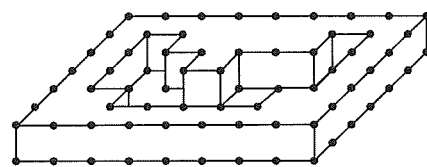
A) 37 B) 38 C) 39 D) 40 E) 41

11.



A) 33 B) 34 C) 35 D) 36 E) 37

12.



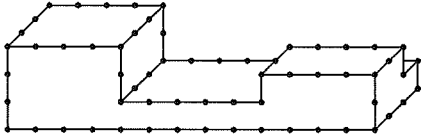
A) 35 B) 34 C) 33 D) 32 E) 31

Cevap Anahtarı – Answer Sheet

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

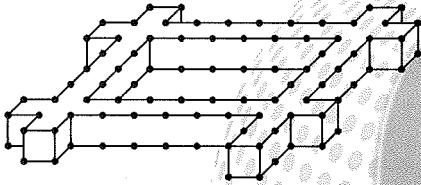


1.



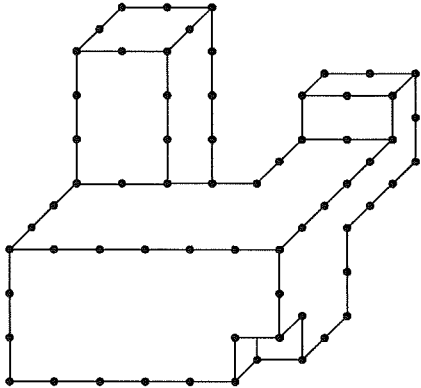
- A) 71 B) 72 C) 73 D) 74 E) 75

2.



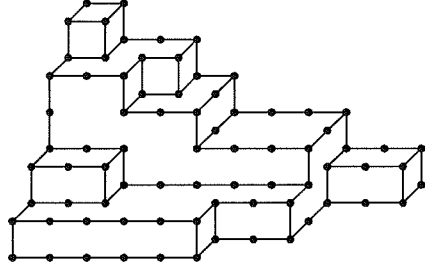
- A) 30 B) 31 C) 32 D) 33 E) 34

3.



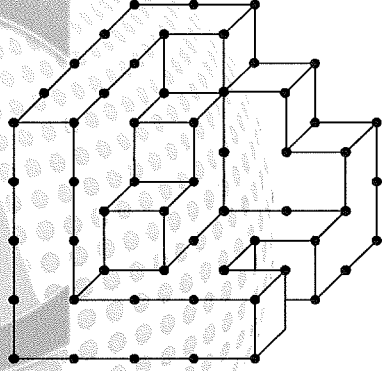
- A) 82 B) 83 C) 84 D) 85 E) 86

4.



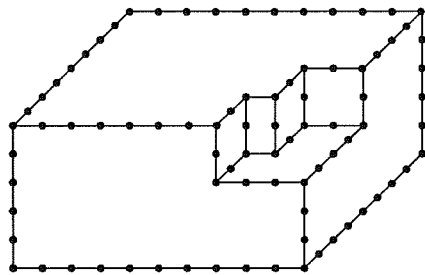
- A) 56 B) 58 C) 60 D) 62 E) 64

5.



- A) 34 B) 35 C) 36 D) 37 E) 38

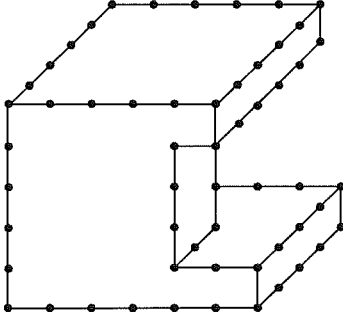
6.



- A) 372 B) 374 C) 376 D) 378 E) 380

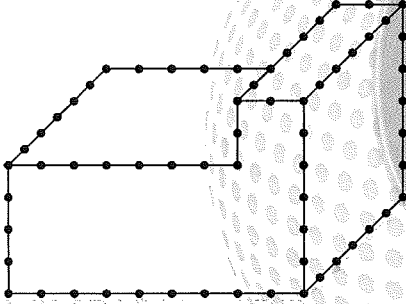


7.



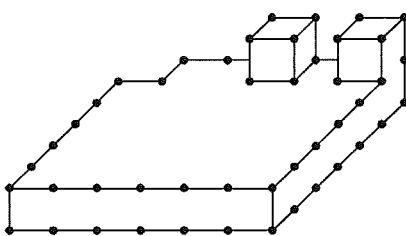
A) 69 B) 70 C) 71 D) 72 E) 73

8.



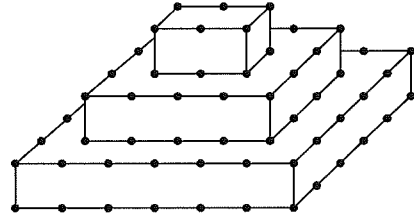
A) 236 B) 238 C) 240 D) 242 E) 244

9.



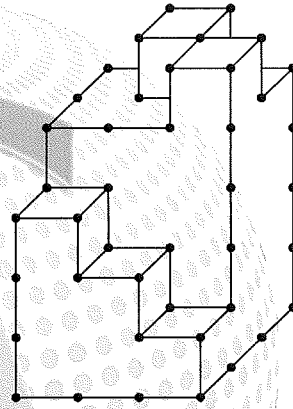
A) 36 B) 37 C) 38 D) 39 E) 40

10.



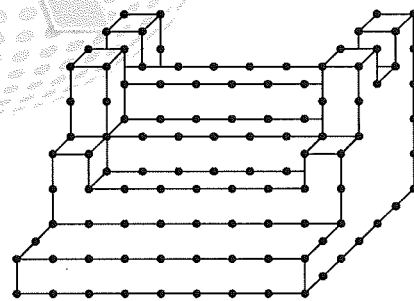
A) 44 B) 43 C) 42 D) 41 E) 40

11.



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

12.



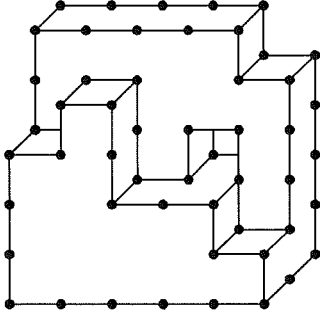
A) 102 B) 104 C) 106 D) 108 E) 110

Cevap Anahtarı – Answer Sheet

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

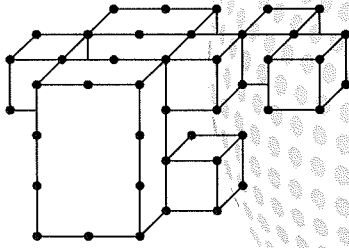


1.



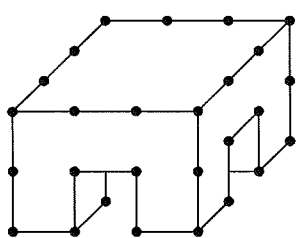
A) 34 B) 35 C) 36 D) 37 E) 38

2.



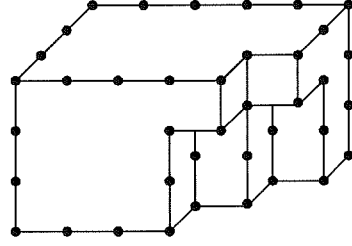
A) 12 B) 13 C) 14 D) 15 E) 16

3.



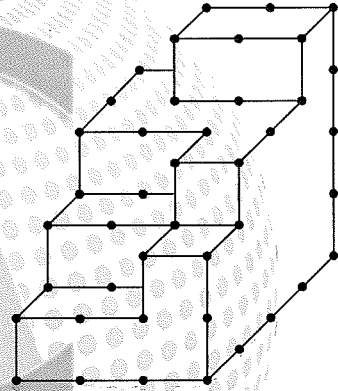
A) 9 B) 10 C) 13 D) 14 E) 16

4.



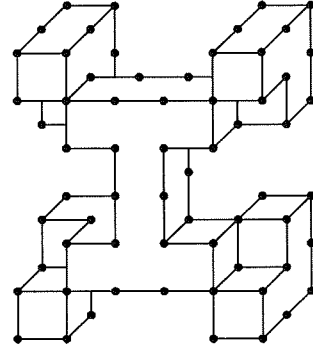
A) 34 B) 36 C) 37 D) 38 E) 40

5.



A) 31 B) 32 C) 33 D) 34 E) 35

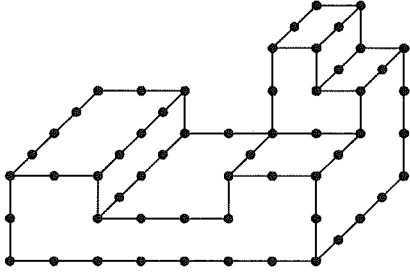
6.



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

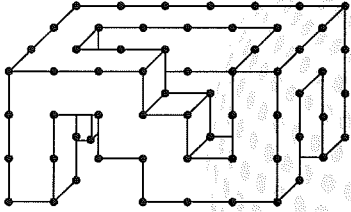


7.



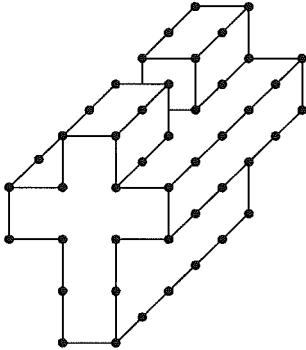
A) 48 B) 50 C) 51 D) 52 E) 54

8.



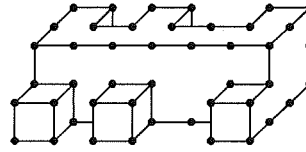
A) 22 B) 23 C) 24 D) 25 E) 26

9.



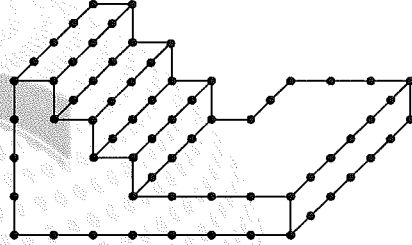
A) 27 B) 28 C) 29 D) 30 E) 31

10.



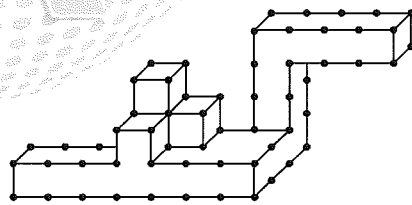
A) 21 B) 22 C) 23 D) 24 E) 25

11.



A) 52 B) 54 C) 55 D) 56 E) 58

12.



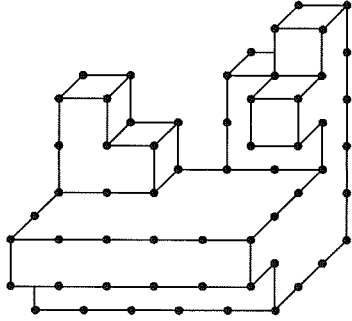
A) 20 B) 21 C) 22 D) 24 E) 25

Cevap Anahtarı – Answer Sheet

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

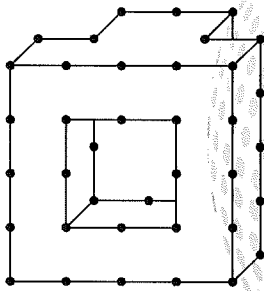


1.



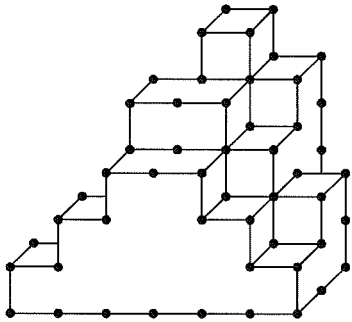
A) 39 B) 40 C) 41 D) 42 E) 43

2.



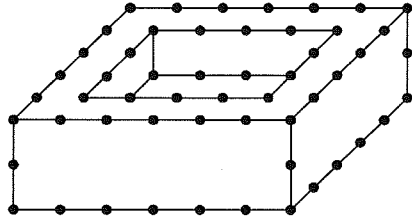
A) 17 B) 16 C) 15 D) 14 E) 13

3.



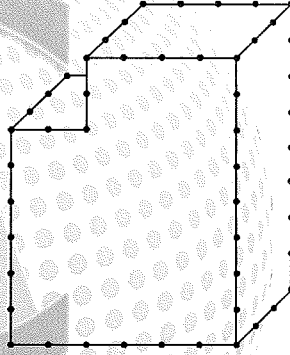
A) 32 B) 34 C) 35 D) 36 E) 38

4.



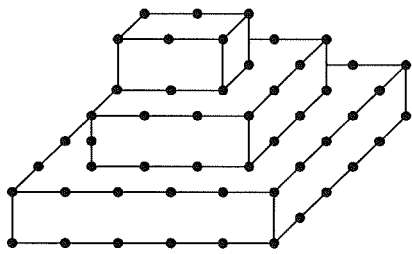
A) 26 B) 27 C) 28 D) 29 E) 30

5.



A) 144 B) 142 C) 140 D) 138 E) 136

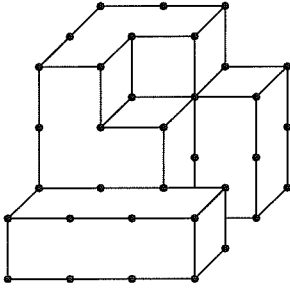
6.



A) 37 B) 36 C) 35 D) 34 E) 33

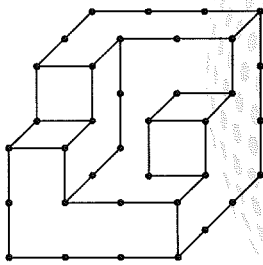


7.



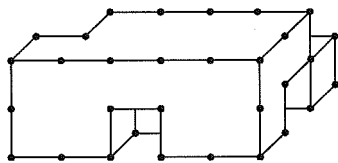
A) 19 B) 18 C) 17 D) 16 E) 15

8.



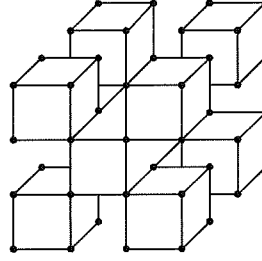
A) 21 B) 20 C) 19 D) 18 E) 17

9.



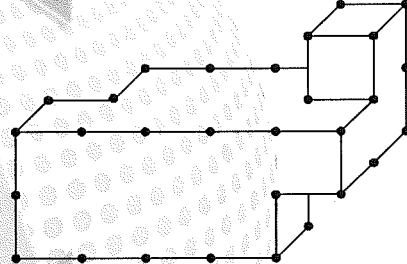
A) 15 B) 16 C) 17 D) 18 E) 19

10.



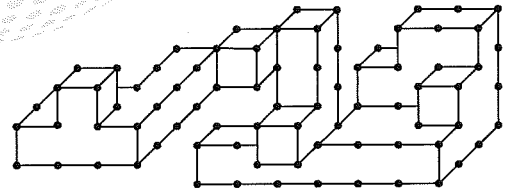
A) 7 B) 8 C) 9 D) 10 E) 11

11.



A) 14 B) 16 C) 18 D) 19 E) 20

12.



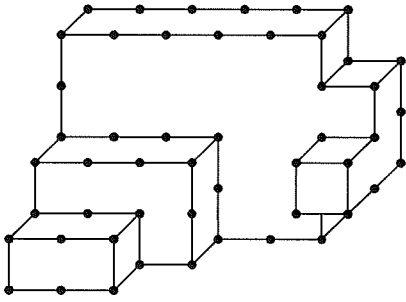
A) 29 B) 31 C) 32 D) 33 E) 34

Cevap Anahtarı – Answer Sheet

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

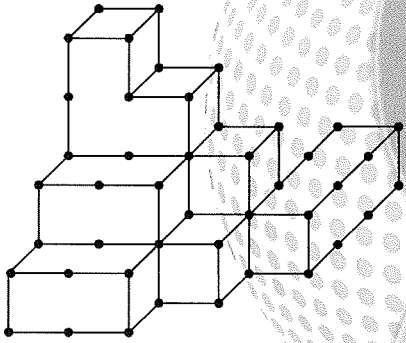


1.



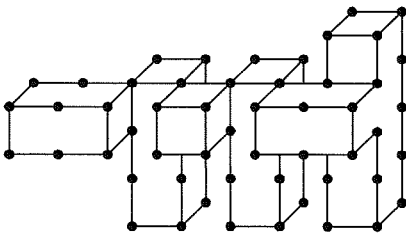
A) 31 B) 32 C) 33 D) 34 E) 35

2.



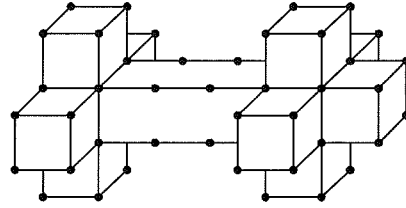
A) 18 B) 19 C) 20 D) 21 E) 22

3.



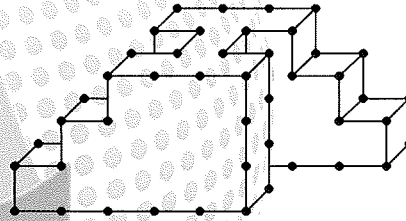
A) 13 B) 14 C) 15 D) 16 E) 17

4.



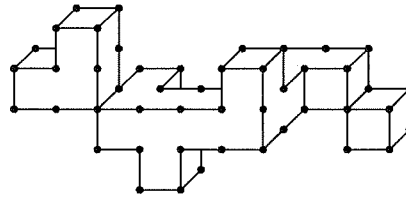
A) 10 B) 12 C) 14 D) 16 E) 18

5.



A) 26 B) 27 C) 28 D) 29 E) 30

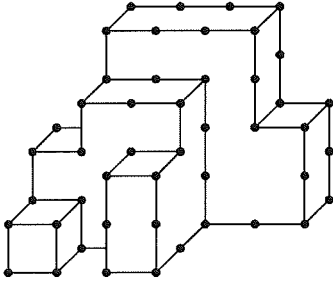
6.



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

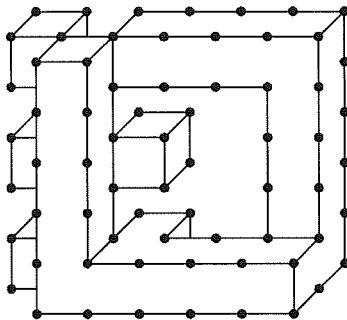


7.



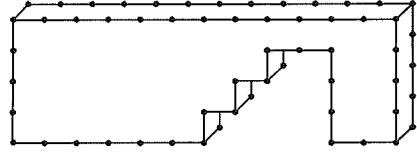
A) 28 B) 27 C) 26 D) 25 E) 24

8.



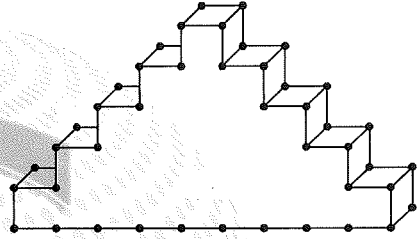
A) 20 B) 22 C) 24 D) 26 E) 28

9.



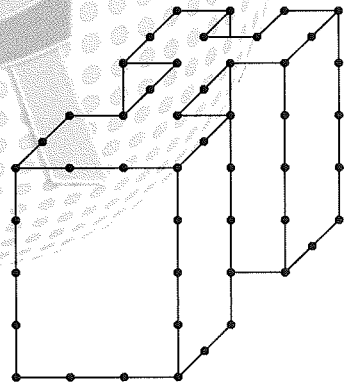
A) 38 B) 39 C) 40 D) 41 E) 42

10.



A) 21 B) 23 C) 25 D) 27 E) 29

11.



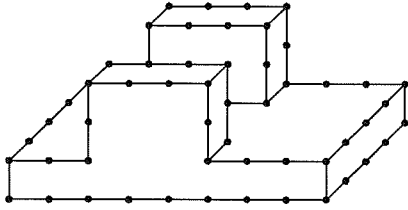
A) 50 B) 52 C) 54 D) 56 E) 58

Cevap Anahtarı – Answer Sheet

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

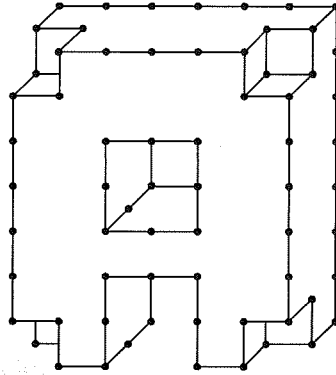


1.



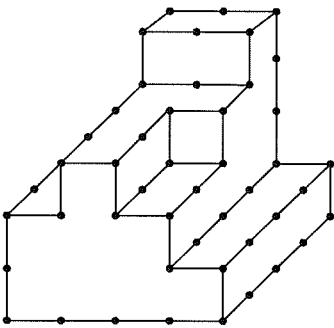
A) 38 B) 40 C) 42 D) 44 E) 46

3.



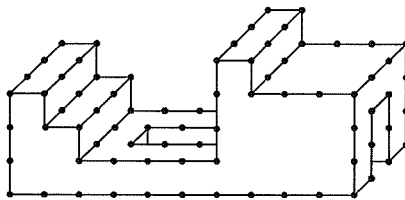
A) 64 B) 63 C) 62 D) 61 E) 60

2.



A) 32 B) 34 C) 35 D) 36 E) 38

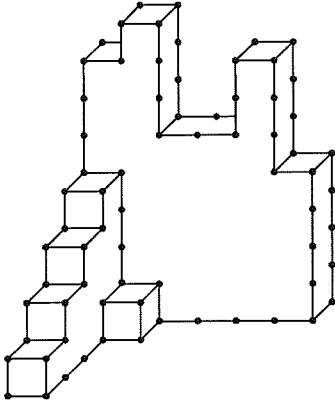
4.



A) 56 B) 57 C) 58 D) 59 E) 60

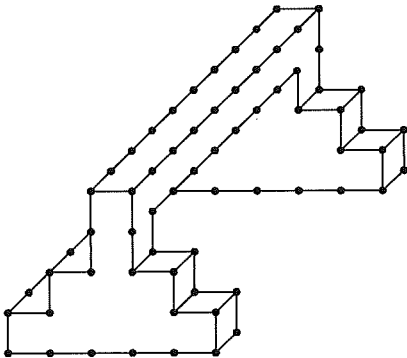


5.



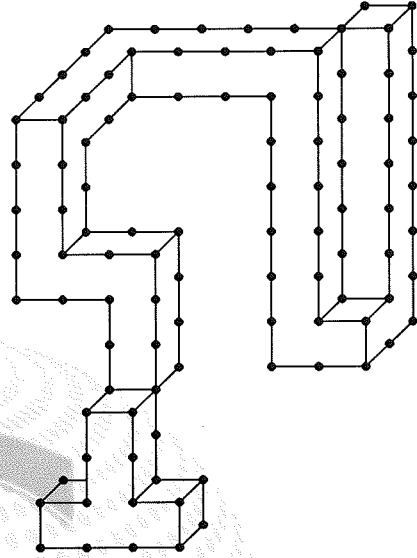
A) 45 B) 46 C) 47 D) 48 E) 49

6.



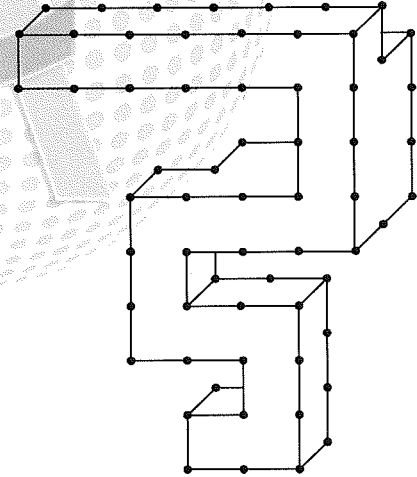
A) 27 B) 29 C) 31 D) 33 E) 35

7.



A) 32 B) 34 C) 36 D) 38 E) 40

8.



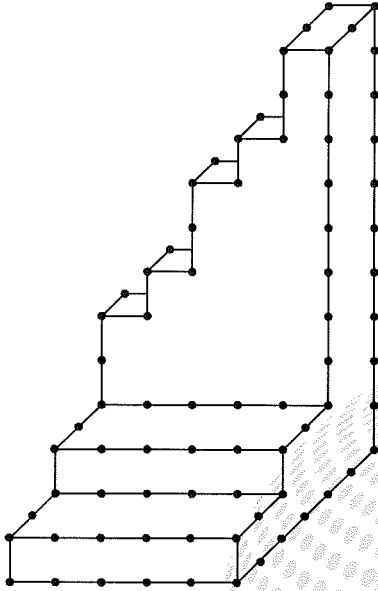
A) 22 B) 24 C) 26 D) 28 E) 30

Cevap Anahtarı – Answer Sheet

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

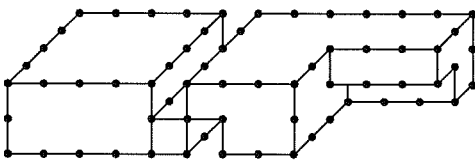


1.



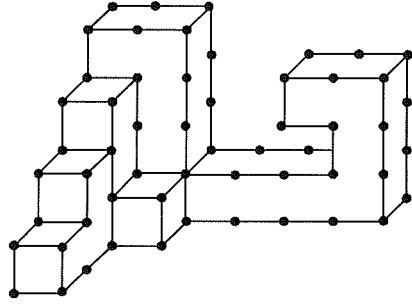
A) 72 B) 73 C) 74 D) 75 E) 76

2.



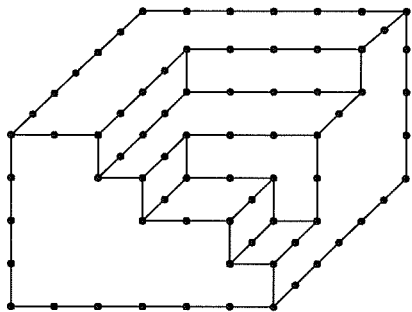
A) 63 B) 64 C) 65 D) 66 E) 67

3.



A) 21 B) 22 C) 23 D) 24 E) 25

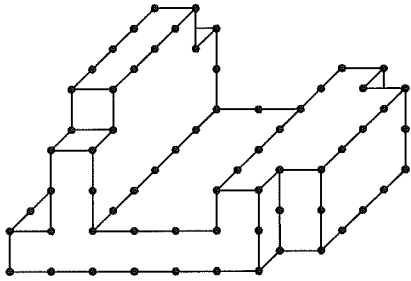
4.



A) 110 B) 114 C) 120 D) 126 E) 130

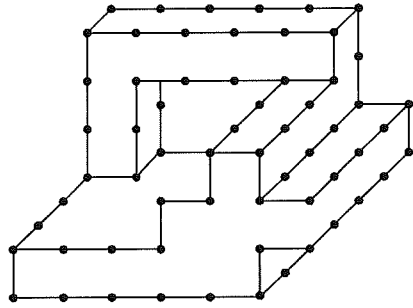


5.



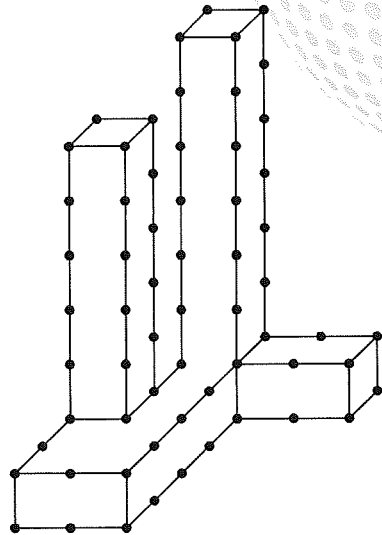
- A) 62 B) 64 C) 66 D) 68 E) 70

7.



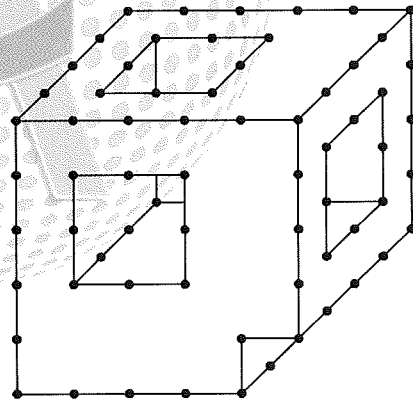
- A) 41 B) 42 C) 43 D) 44 E) 45

6.



- A) 20 B) 21 C) 22 D) 23 E) 24

8.



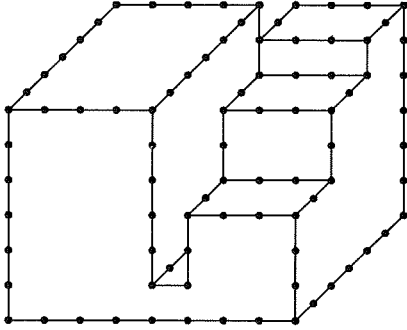
- A) 74 B) 78 C) 80 D) 82 E) 84

Cevap Anahtarı – Answer Sheet

1.C	2.C	3.B	4.C
5.C	6.B	7.C	8.C

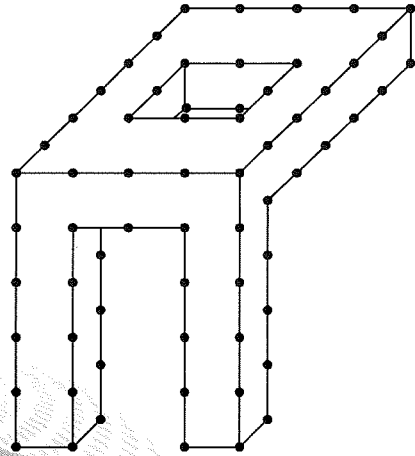


1.



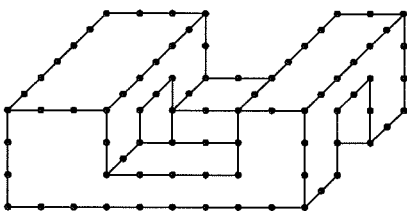
A) 234 B) 236 C) 238 D) 240 E) 242

3.



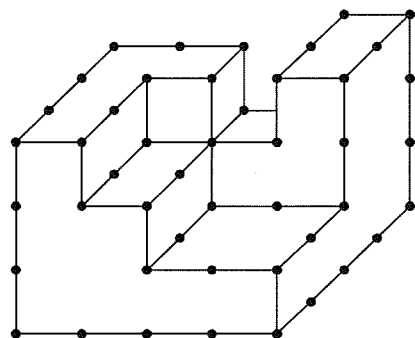
A) 25 B) 26 C) 27 D) 28 E) 29

2.



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

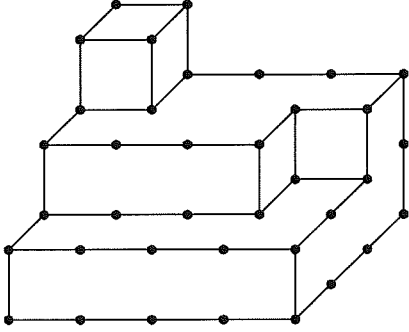
4.



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

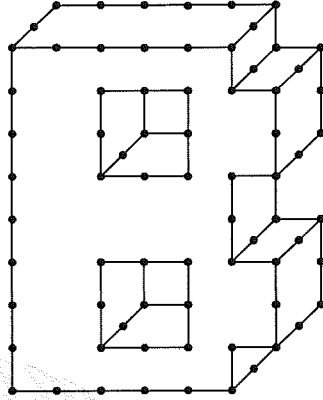


5.



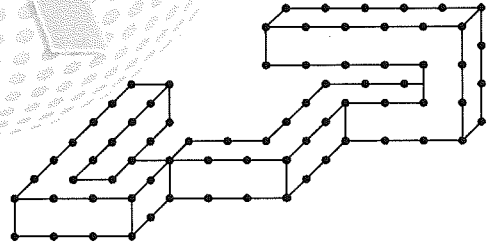
A) 20 B) 21 C) 22 D) 23 E) 24

7.



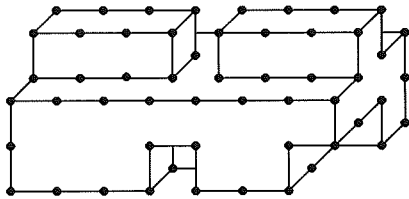
A) 76 B) 75 C) 74 D) 72 E) 70

8.



A) 23 B) 24 C) 25 D) 26 E) 27

6.



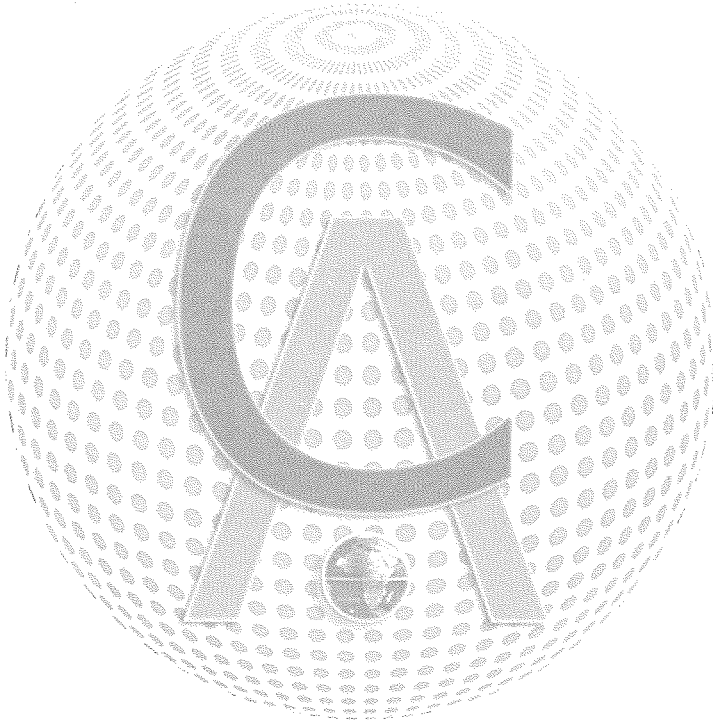
A) 39 B) 41 C) 43 D) 45 E) 47

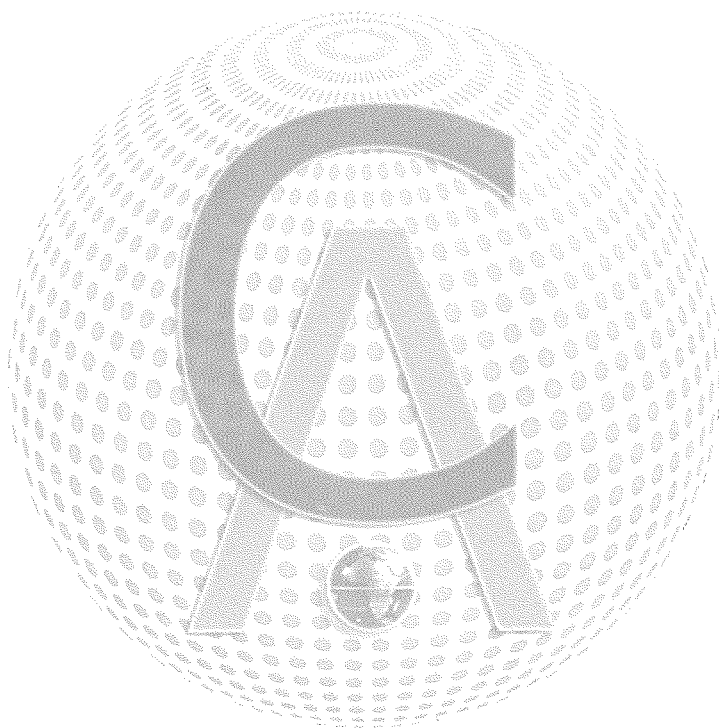
Cevap Anahtarı – Answer Sheet

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

18. BÖLÜM

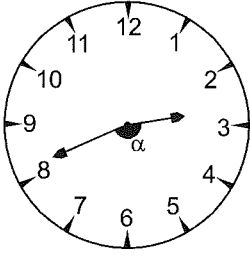
SAATLER







1.

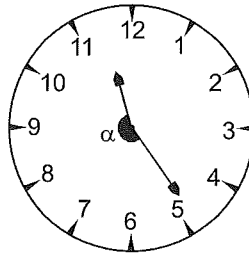


14 : 41

 $\alpha = ?^\circ$

A) 165,5 B) 167 C) 168 D) 170 E) 172

4.

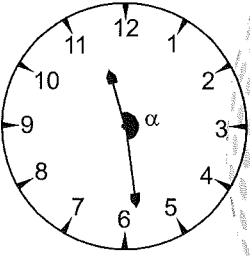


11 : 24

 $\alpha = ?^\circ$

A) 198 B) 190 C) 178 D) 176 E) 175

2.

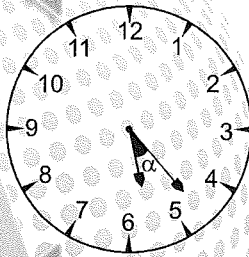


23 : 28

 $\alpha = ?^\circ$

A) 180 B) 178 C) 176 D) 174 E) 172

5.

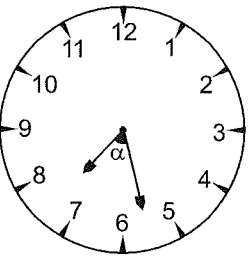


17 : 24

 $\alpha = ?^\circ$

A) 25 B) 22 C) 18 D) 15 E) 12

3.

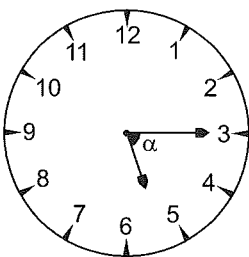


07 : 27

 $\alpha = ?^\circ$

A) 67 B) 63,5 C) 61,5 D) 59 E) 57,5

6.



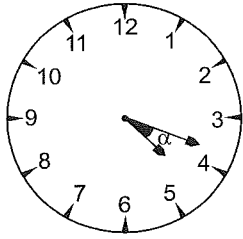
17 : 15

 $\alpha = ?^\circ$

A) 87,5 B) 75 C) 67,5 D) 62,5 E) 55



7.

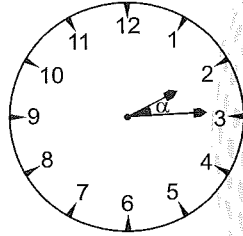


04 : 18

 $\alpha = ?^\circ$

A) 35 B) 30 C) 27 D) 24 E) 21

8.

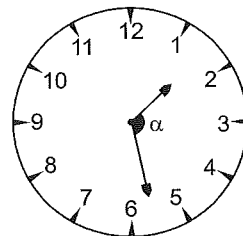


02 : 14

 $\alpha = ?^\circ$

A) 25 B) 19 C) 17 D) 14 E) 11

9.

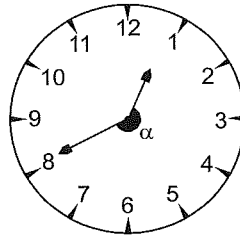


13 : 27

 $\alpha = ?^\circ$

A) 124 B) 121,5 C) 120 D) 118,5 E) 114

10.

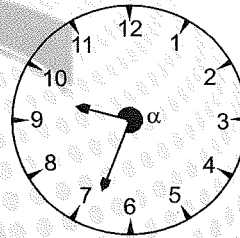


00 : 41

 $\alpha = ?^\circ$

A) 245 B) 225,5 C) 227,5 D) 222,5 E) 210

11.

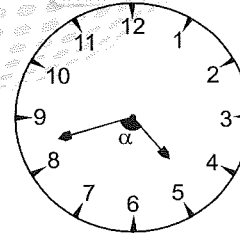


21 : 38

 $\alpha = ?^\circ$

A) 278 B) 285 C) 289 D) 294 E) 299

12.



16 : 42

 $\alpha = ?^\circ$

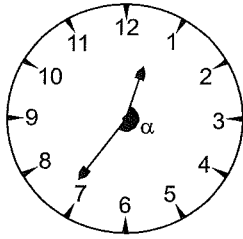
A) 124 B) 121 C) 117 D) 111 E) 109

Cevap Anahtarı – Answer Sheet

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



1.

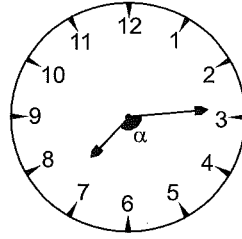


12 : 36

 $\alpha = ?^\circ$

A) 210 B) 198 C) 189 D) 187 E) 184

4.

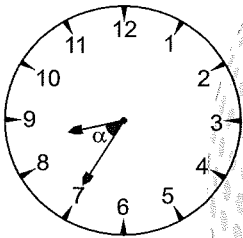


07 : 13

 $\alpha = ?^\circ$

A) 145 B) 138,5 C) 135 D) 132,5 E) 120,5

2.

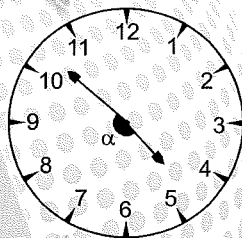


20 : 35

 $\alpha = ?^\circ$

A) 54 B) 52,5 C) 49 D) 47,5 E) 45

5.

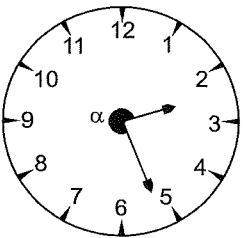


04 : 52

 $\alpha = ?^\circ$

A) 175 B) 172 C) 168 D) 166 E) 158

3.

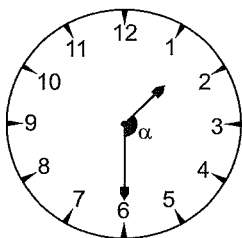


14 : 26

 $\alpha = ?^\circ$

A) 277 B) 280 C) 282 D) 285 E) 288

6.



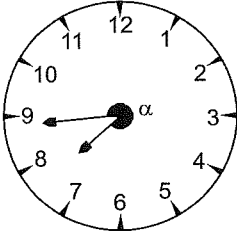
13 : 30

 $\alpha = ?^\circ$

A) 160 B) 145 C) 135 D) 130 E) 120



7.

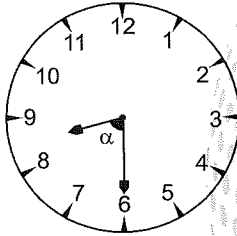


19 : 44

 $\alpha = ?^\circ$

A) 328 B) 324 C) 320 D) 314 E) 310

8.

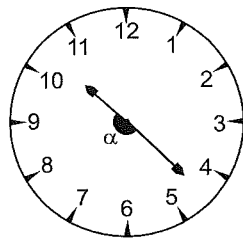


20 : 30

 $\alpha = ?^\circ$

A) 88 B) 82 C) 79 D) 78 E) 75

9.

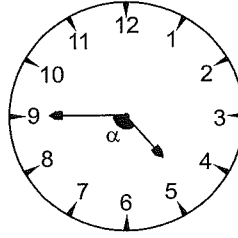


22 : 22

 $\alpha = ?^\circ$

A) 180 B) 179 C) 175 D) 172 E) 170

10.

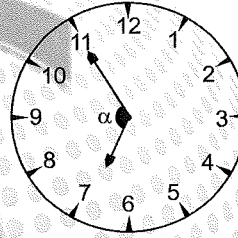


16 : 45

 $\alpha = ?^\circ$

A) 165 B) 145 C) 135,5 D) 130 E) 127,5

11.

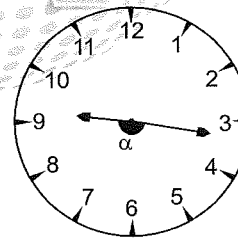


18 : 55

 $\alpha = ?^\circ$

A) 127 B) 122,5 C) 120 D) 117,5 E) 115

12.



21 : 17

 $\alpha = ?^\circ$

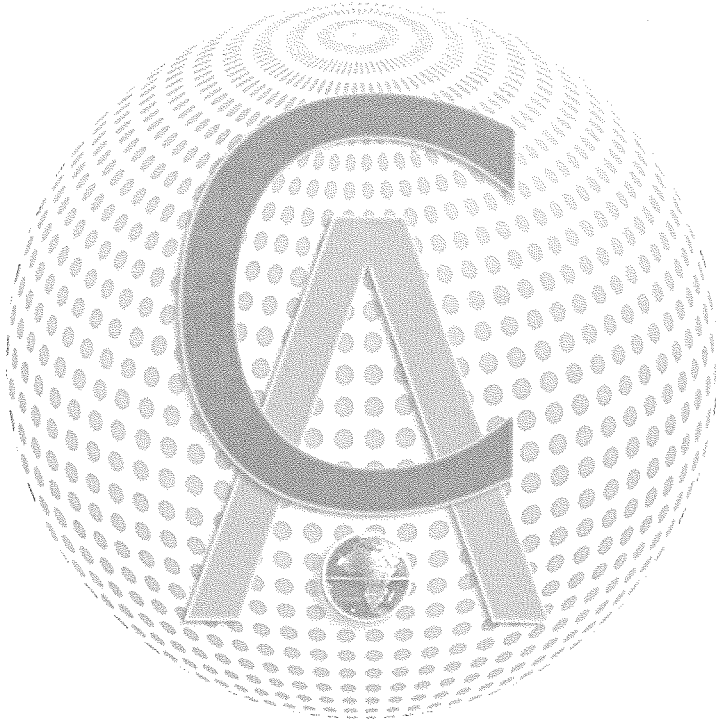
A) 179 B) 178,5 C) 177,5 D) 177 E) 176,5

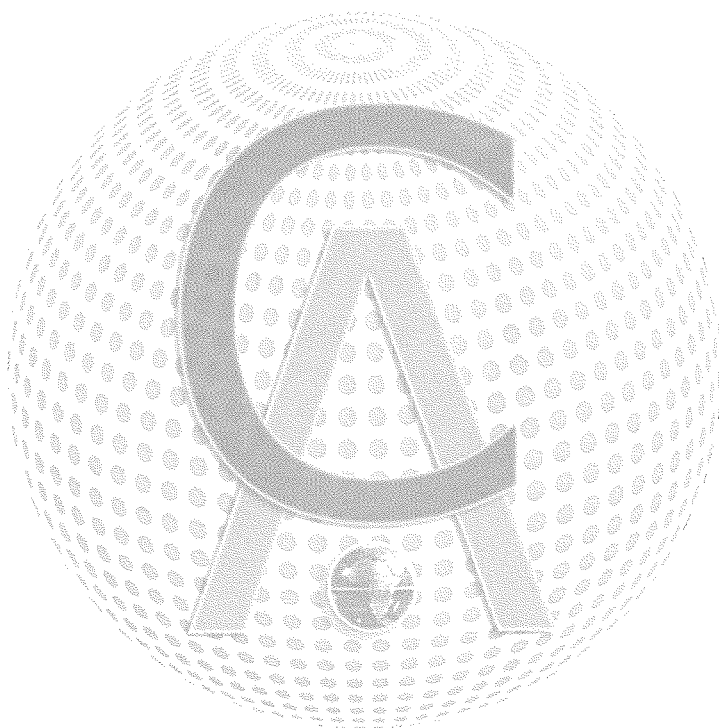
Cevap Anahtarı – Answer Sheet

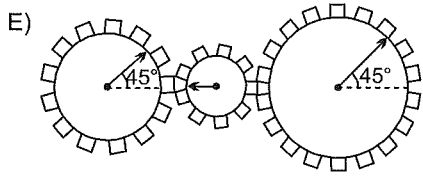
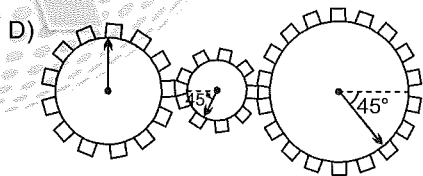
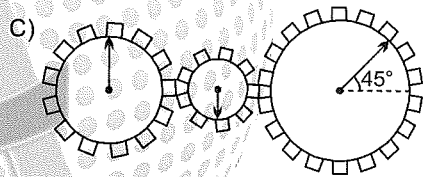
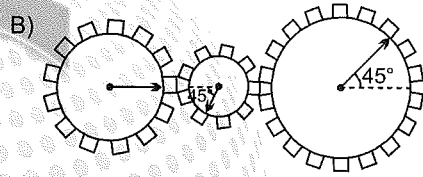
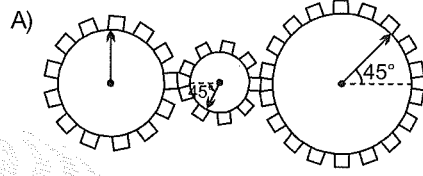
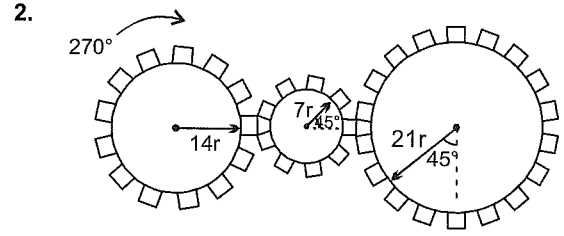
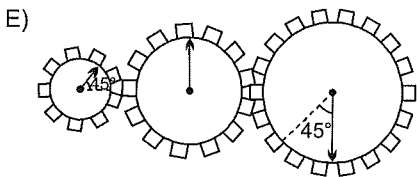
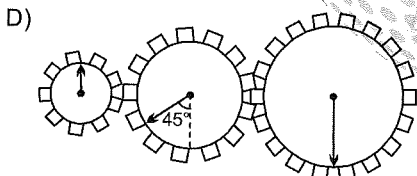
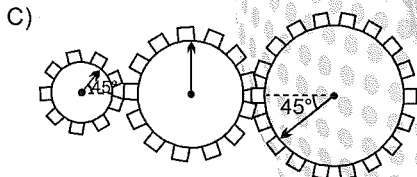
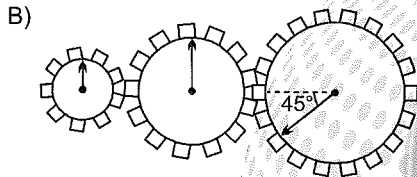
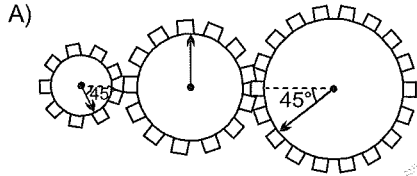
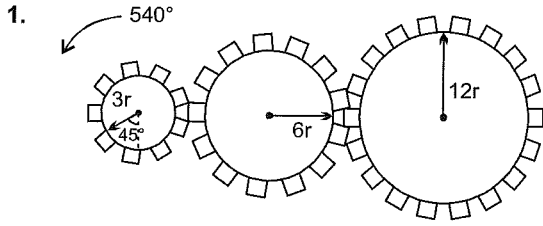
1.B	2.D	3.A	4.B	5.D	6.C
7.A	8.E	9.B	10.E	11.B	12.E

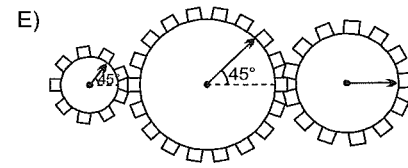
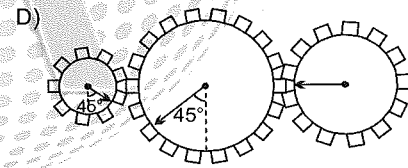
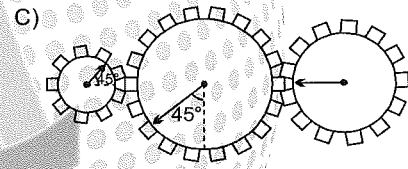
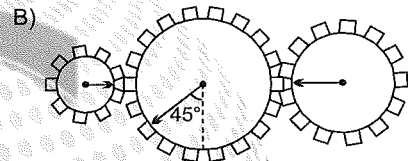
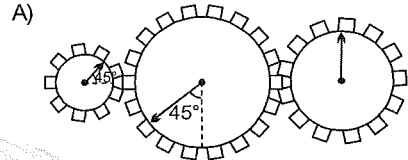
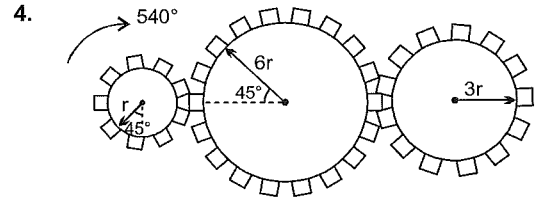
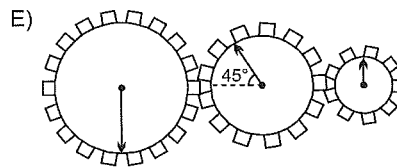
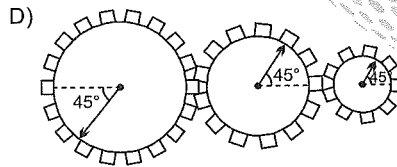
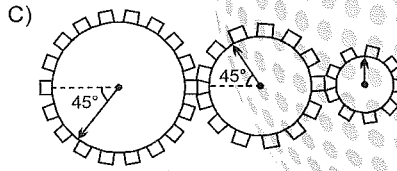
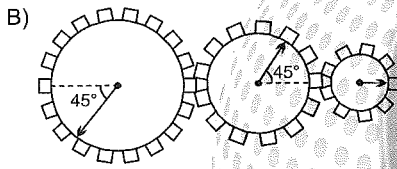
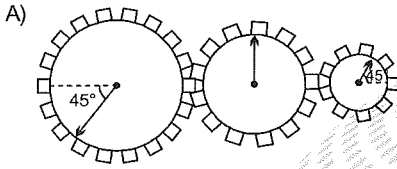
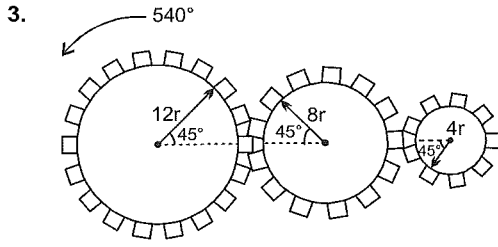
19. BÖLÜM

ÇARKLAR



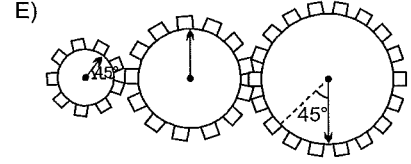
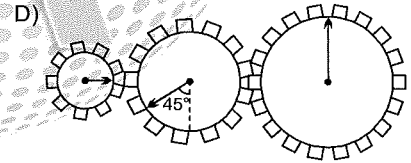
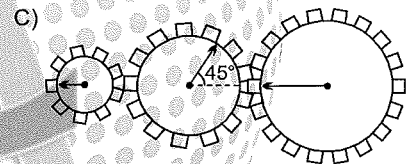
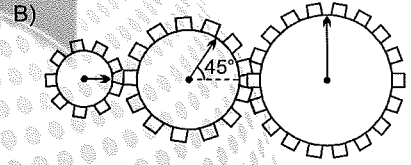
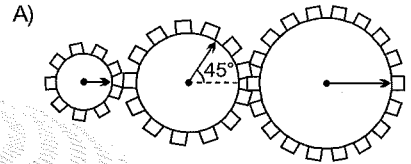
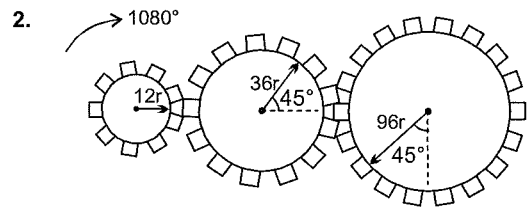
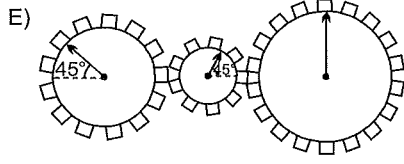
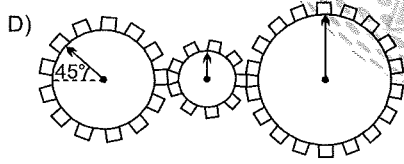
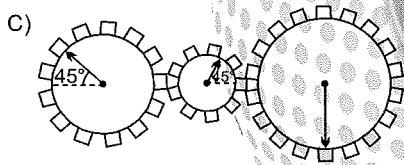
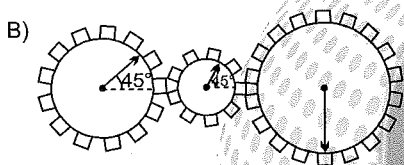
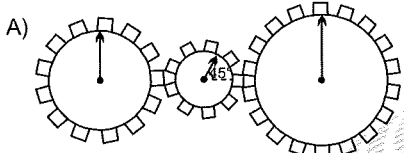
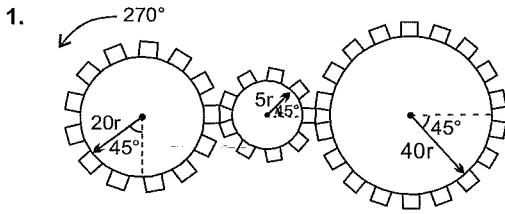


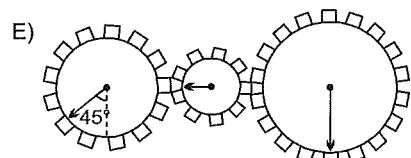
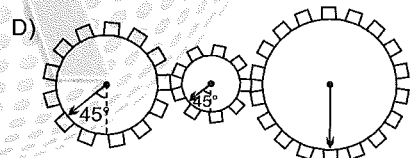
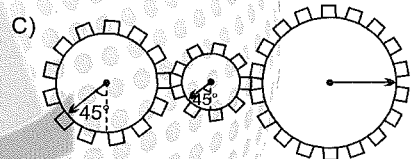
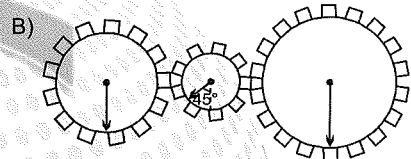
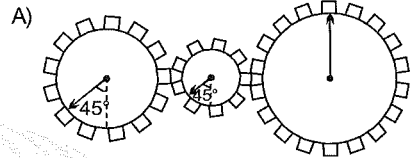
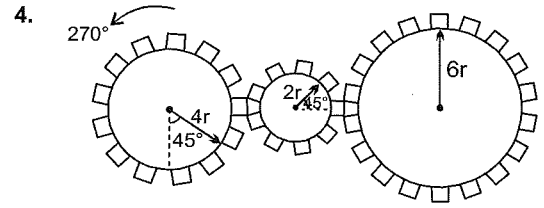
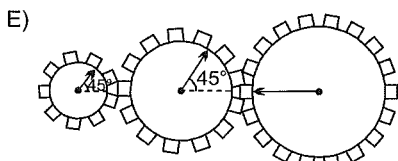
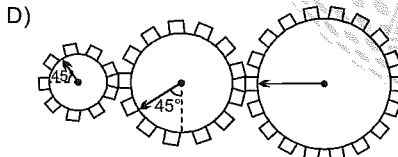
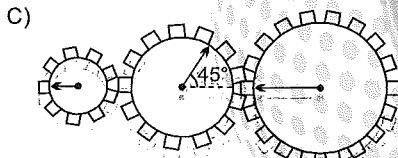
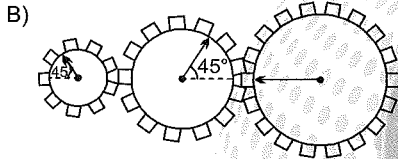
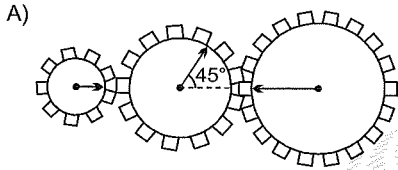
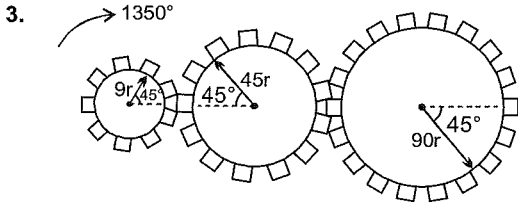




Cevap Anahtarı – Answer Sheet

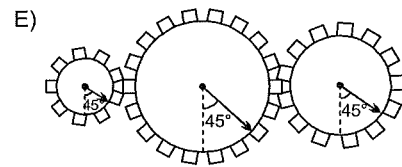
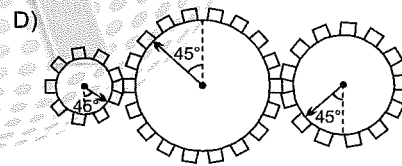
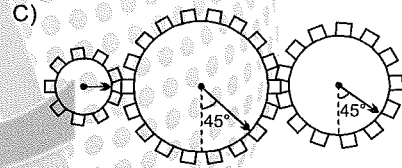
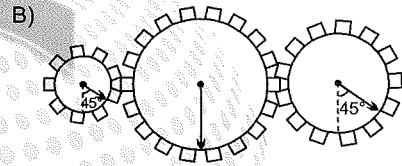
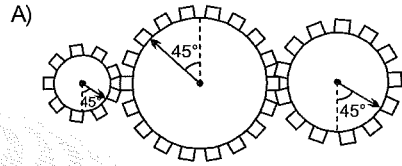
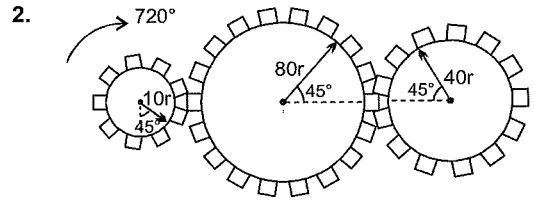
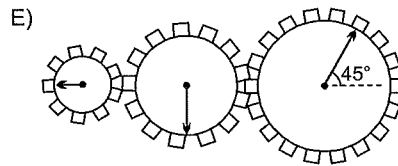
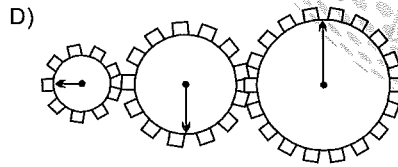
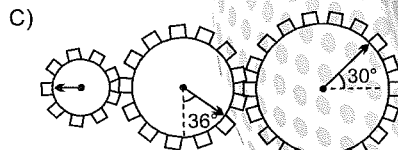
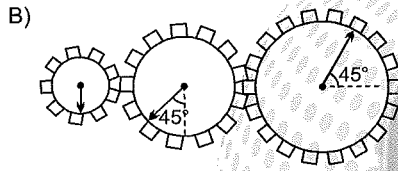
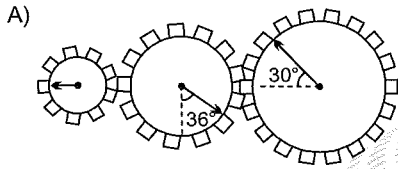
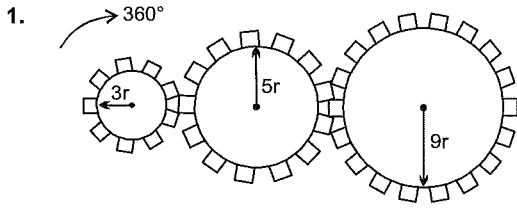
1.C	2.A	3.D	4.C
-----	-----	-----	-----

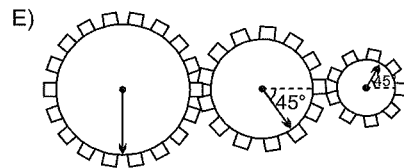
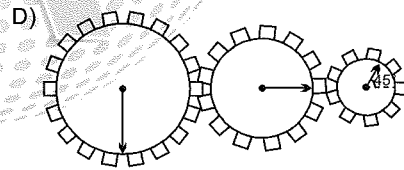
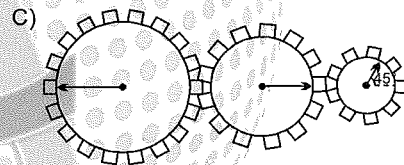
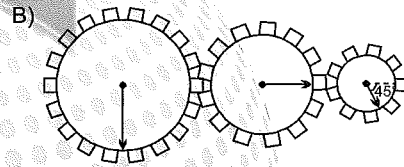
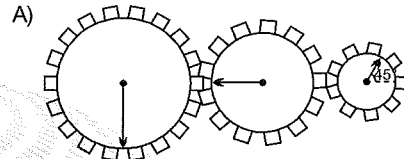
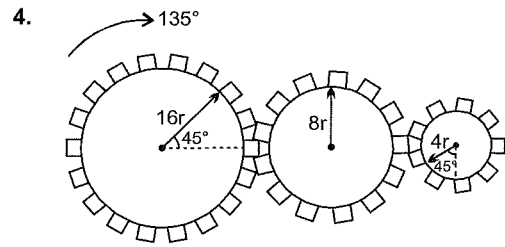
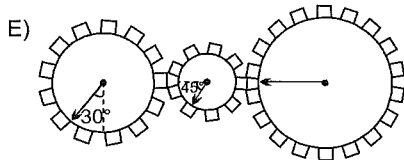
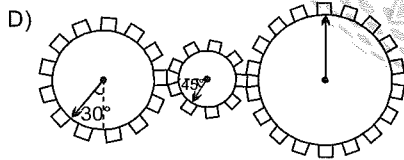
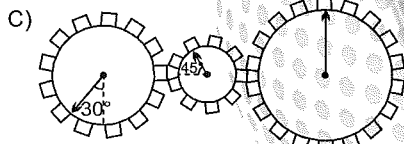
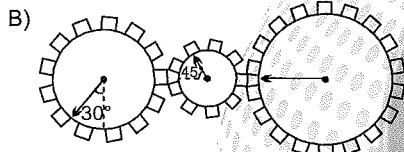
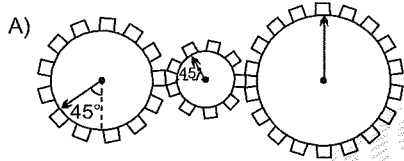
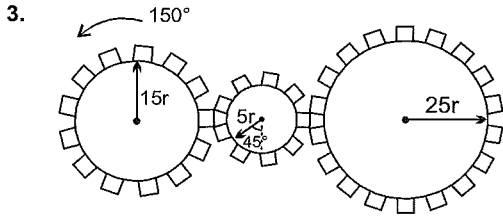




Cevap Anahtarı – Answer Sheet

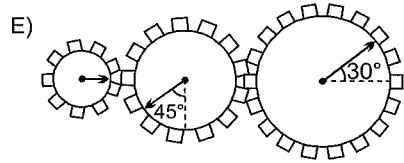
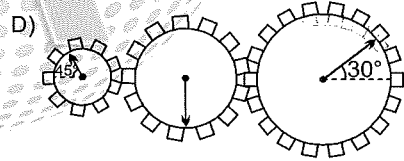
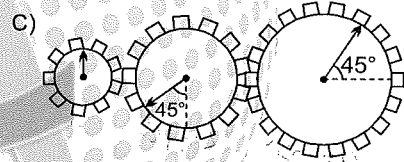
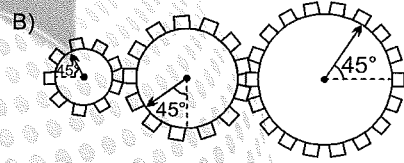
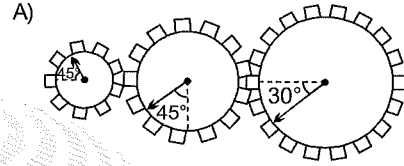
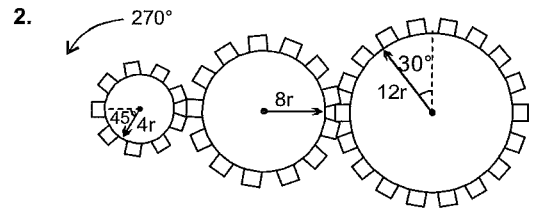
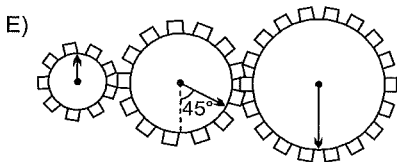
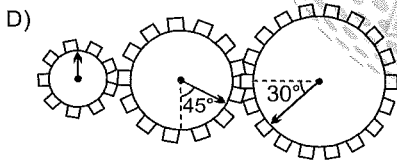
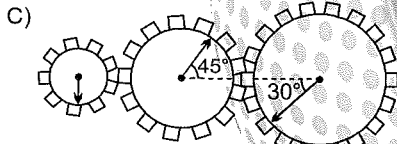
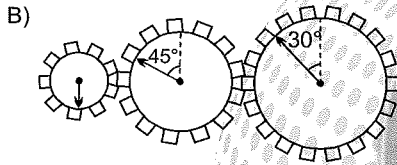
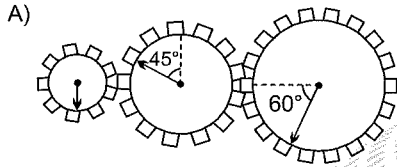
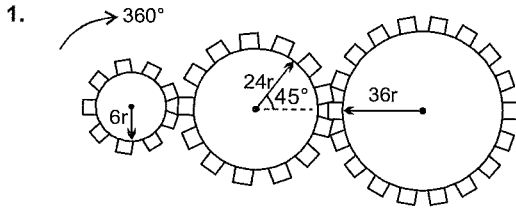
1.E	2.A	3.B	4.D
-----	-----	-----	-----

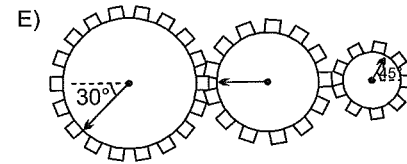
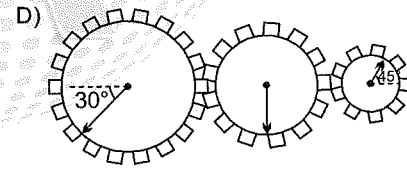
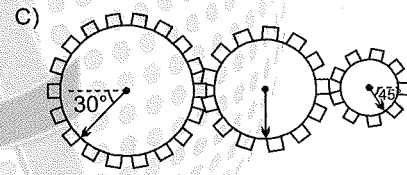
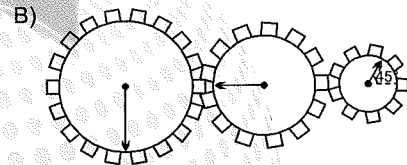
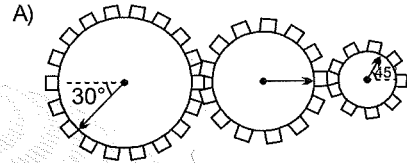
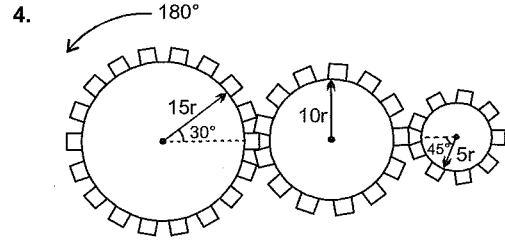
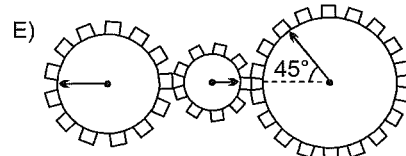
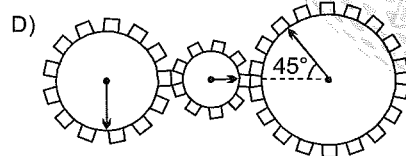
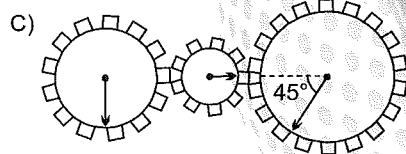
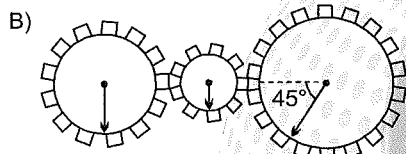
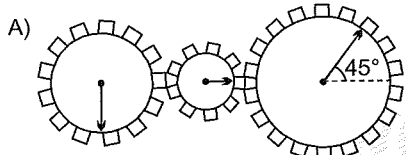
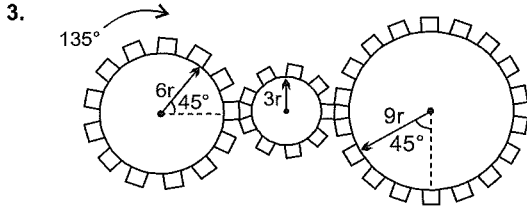




Cevap Anahtarı – Answer Sheet

1.A	2.A	3.C	4.D
-----	-----	-----	-----





Cevap Anahtarı – Answer Sheet

1.B	2.A	3.D	4.E
-----	-----	-----	-----