

(Yabancı Öğrenci Sınavı)



SORU BANKASI

Question Bank

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ŞİFRELER

BÖLÜM / CHAPTER

1

PASSWORDS

1.

SOBA	1278
BOYA	3127
AYIK	3951
SAYI	5921
KIYI	8727

⇒ SOKAK=?

- A) 12535 B) 21373 C) 39818
D) 58929 E) 81727

2.

4925	HALO
5473	OZAN
1234	AMCA
2682	NOEL
8792	CEZA

⇒ 4925=?

- A) HALO B) OZAN C) AMCA
D) NOEL E) CEZA

3.

1982	TABI
2561	ABLA
7175	KATI
6531	INEK
5375	LILA

⇒ 7175=?

- A) TABI B) ABLA C) KATI
D) İNEK E) LILA

4.

1484	△ ● ▲ ◇
5696	▲ □ ◆ □
6519	● ▲ ◇ △
9868	◆ ▲ □ ▲
8141	◇ ◆ ▲ ◆

⇒ 8141=?

- A) △ ● ▲ ◇ B) ▲ □ ◆ □ C) ● ▲ ◇ △
D) ◆ ▲ □ ▲ E) ◇ ◆ ▲ ◆

5.

NES	425
REN	615
NAR	316
SER	513
KAR	325

⇒ REN=?

- A) 425 B) 615 C) 316
D) 513 E) 325

6.

AYAK	2321
SONU	4657
YAYA	8485
ESEN	1848
KESE	3232

⇒ ESEN=?

- A) 2321 B) 4657 C) 8485
D) 1848 E) 3232

7.

SELEN	54628
SAKAR	93135
NADİR	63028
DEMİR	03137
MELEK	94748

⇒ DEMİR=?

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

8.

ŞİKE	1452
EKŞİ	1314
İŞİT	2523
KİŞİ	5241
ETEK	4252

⇒ KİŞİ=?

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

9.

KARE	3142
VADE	8192
HARE	5102
PAYE	6172
HANE	5172

⇒ HARE=?

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

10.

SAİK	1352
KİRA	4231
AKAR	2125
RAKS	4213
SAKİ	5214

⇒ RAKS=?

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

11.

POP	829
TAT	535
SİS	626
KUŞ	717
ŞAK	948

⇒ KUŞ=?

- A) 829 B) 535 C) 626
D) 717 E) 948

12.

YAP	301
ÇAK	205
TAS	103
PAY	604
SAT	502

⇒ ÇAK=?

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

YANITLAR / ANSWERS

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

Şifreler / Passwords

Test – 2

1.

K E P	{	102
T E K		201
T E T		203
P E K		101
K E T		302

⇒ PEK=?

- A) 102 B) 201 C) 203
D) 101 E) 302

2.

S E L E	{	6131
L E K E		3121
K E S E		5141
T E K E		2141
M E L E		4131

⇒ MELE=?

- A) 1631 B) 3121 C) 5141
D) 2141 E) 4131

3.

L A R İ	{	4527
M E A L		2716
E Z İ M		6173
A L M A		5435
R İ Z E		3654

⇒ RİZE=?

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

4.

Ş A H	{	413
K A R		416
H A K		218
R A Y		814
K A N		617

⇒ KANARYA=?

- A) 4131671 B) 4311671 C) 6131471
D) 7131641 E) 3411671

5.

Y A L I	{	2325
S A L I		1407
E S E N		6452
D A N E		3407

⇒ SANDALYE=?

- A) 34650412 B) 34564012 C) 34564021
D) 34654571 E) 34640712

6.

A F F E T	{	513324
F E T T A H		615724
S A F F E T		324416
H A S R E T		13324

⇒ HASET=?

- A) 51426 B) 15426 C) 15246
D) 61524 E) 65124

Şifreler / Passwords

Test – 2

7.

K E R T	{	4635
T A A M		5376
E M M İ		6002
İ T E K		3224
M İ R A		2470

⇒ İTEK=?

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

8.

İ T M E	{	6214
E R L İ		2145
R İ T M		4561
M E R T		3734
A L A M		5672

⇒ RİTM=?

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

9.

K A B	{	834
B E L		214
B A L		581
O Y A		912
Y E L		234

⇒ OYA=?

- A) 834 B) 214 C) 581
D) 912 E) 234

10.

K E D İ	{	4187
D E P O		7834
İ P E K		3816
P İ L E		5824
S E V İ		1498

⇒ İPEK=?

- A) 4187 B) 7834 C) 3816
D) 5824 E) 1498

11.

L A L A	{	8507
K E Z A		9737
H A L A		3737
K A Z A		8707
F E Z A		6507

⇒ KAZA=?

- A) 8507 B) 9737 C) 3737
D) 8707 E) 6507

12.

Ç A T I	{	3431
B E R E		1376
Ç İ T A		8545
A R A Ç		1673
B A T A		8373

⇒ BERE=?

- A) 3431 B) 1376 C) 8545
D) 1673 E) 8373

YANITLAR / ANSWERS

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

Şifreler / Passwords

Test – 3

1.

F Ü M E	4567
Y A R E	3597
M A R A	6212
K Ü M E	0217
S Ü Z E	8567

⇒ SÜZE=?

- A) 4567 B) 3597 C) 6121
D) 0217 E) 8567

2.

K E M A N	43879
S E L A N	17878
A N L A M	70579
A S L A N	79578
T A M A M	03579

⇒ SELAN=?

- A) 43879 B) 17878 C) 70579
D) 79578 E) 03579

3.

L A L E	7435
A M A Ç	4348
Ç A L I	5342
A L E M	3486
İ L A Ç	3635

⇒ LALE=?

- A) 7435 B) 4348 C) 5342
D) 3486 E) 3635

4.

T Ü M E L	42108
T İ K E L	40723
T E M E L	42703
T E K İ L	42823
T E R İ M	45823

⇒ TÜMEL=?

- A) 42108 B) 40723 C) 42703
D) 42823 E) 45823

5.

Y A R A	3141
M A S A	5141
D A M A	6121
D A R A	5161
K A S A	7121

⇒ DAMA=?

- A) 3141 B) 5141 C) 6121
D) 5161 E) 7121

6.

Ş İ R A	4187
K İ R A	4071
Ş A İ R	2171
K A P I	6871
P A R A	6120

⇒ ŞAİR=?

- A) 4187 B) 4071 C) 2171
D) 6871 E) 6120

7.

Y A Y A } { 1414
Y A M A } { 2424
M A M A } { 7424
L A L A } { 1464
H A L A } { 6464

⇒ LALA=?

- A) 1414 B) 2424 C) 7424
D) 1464 E) 6464

8.

M A Y A } { 8434
K A Y A } { 7424
T A S A } { 7434
Y A K A } { 2474
K A S A } { 9424

⇒ MAYA=?

- A) 8434 B) 7424 C) 7434
D) 2474 E) 9424

9.

K E L } { 737
S E L } { 235
B E L } { 435
E B E } { 323
K E K } { 735

⇒ SEL=?

- A) 737 B) 235 C) 435
D) 323 E) 735

10.

E S K İ } { 1243
S E D A } { 2156
E S İ R } { 4153
K E D İ } { 4121
K E S E } { 1237

⇒ ESİR=?

- A) 1243 B) 2156 C) 4153
D) 4121 E) 1237

11.

A M A Ç } { 2565
M A S A } { 2575
Ç A R E } { 5256
E R A S } { 6513
M A Ç A } { 3157

⇒ ERAS=?

- A) 2565 B) 2575 C) 5256
D) 6513 E) 3157

12.

A R Z } { 456
T A N } { 452
A R P } { 748
P A T } { 845
N A R } { 247

⇒ NAR=?

- A) 456 B) 452 C) 748
D) 845 E) 247

YANITLAR / ANSWERS

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

Şifreler / Passwords

Test – 4

1.

YASSI	02998
KILLI	56446
MOLLA	08556
HOYYA	98776
HAKKI	32448

⇒ MOLLA=?

- A) 02998 B) 08556 C) 32448
D) 56446 E) 98776

2.

SELMA	15685
MEMBA	84825
FATMA	34805
SALYA	34785
SEMRA	35795

⇒ FATMA=?

- A) 15685 B) 84825 C) 34805
D) 34785 E) 35795

3.

SELMA	52413
BELMA	62413
KELAM	61423
KALEM	71432
SALEM	51432

⇒ BELMA=?

- A) 52413 B) 62413 C) 61423
D) 71432 E) 51432

4.

HİLMİ	50210
BİLİM	40201
MİLİM	10201
KİLİM	30201
SİLİM	60201

⇒ MİLİM=?

- A) 50210 B) 40201 C) 10201
D) 30201 E) 60201

5.

SEVGİ	32905
MATEM	72305
VERGİ	74148
SAKAT	64826

⇒ MATEMETİK=?

- A) 648248581 B) 648264851
C) 642864581 D) 642846581
E) 648258641

6.

MASA	5030
TASA	1030
KASA	0105
YASA	4030
ATAM	2030

⇒ TASA=?

- A) 0105 B) 1030 C) 2030
D) 4030 E) 5030

7.

K A L E M	12357
PA K E T	18920
T A K İ P	02359
K İ T A P	92180
P A L E T	02159

⇒ PAKET=?

- A) 02159 B) 02359 C) 12357
D) 18920 E) 92180

8.

B A N K	4321
G A Y E	4380
T E L A	8563
B A T O	9375
K A L E	1365

⇒ GAYE=?

- A) 1365 B) 4321 C) 4380
D) 8563 E) 9375

9.

E L E G A N	082289
S E L V A N	323489
G E L M A N	452789
S A L L A N	032189
G Ü L M A N	432789

⇒ GÜLMAN=?

- A) 032189 B) 082289 C) 323489
D) 432789 E) 452789

10.

C A M	317
N A L	318
N A Z	718
C A N	714
C A Z	316

⇒ CAM=?

- A) 316 B) 317 C) 318
D) 718 E) 714

11.

K A Ç I K	34703
Ç E K İ K	71353
Ç E K İ M	31653
K İ R A Z	71356
K E M İ K	35248

⇒ ÇEKİK=?

- A) 34703 B) 71353 C) 31653
D) 71356 E) 35248

12.

Ş A R K I	42523
K U Ş A K	42316
K A M I Ş	10421
Ş A M A R	12764
K A Y I Ş	12564

⇒ KAYIŞ=?

- A) 42523 B) 42316 C) 10421
D) 12764 E) 12564

YANITLAR / ANSWERS

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

Şifreler / Passwords

Test – 5

1.

M E R V A	37640
H İ K A N	70570
R A H M İ	51087
A R M A R	64279
T A H İ R	07654

⇒ RAHMİ=?

- A) 37640 B) 70570 C) 51087
D) 64279 E) 07654

2.

H A N D A N	603982
H A T T A H	485584
D İ V S A N	589301
T A S V İ R	582301
T A N V İ R	482682

⇒ TANVİR=?

- A) 603982 B) 485584 C) 589301
D) 582301 E) 482682

3.

S E K	△ □ ●
P E S	○ □ △
K E K	● □ ●
S E L	△ □ ■
M E P	* □ ○

⇒ PES=?

- A) △ □ ● B) ○ □ △ C) ● □ ●
D) △ □ ■ E) * □ ○

4.

B A Ş A R I	→ 9
Y A Y I N	→ 6
T E S T	→ 3
E Ş	→ 1

⇒ ÜNİVERSİTE=?

- A) 20 B) 25 C) 15 D) 30 E) 18

5.

K A S I M	→ 7
E M E K	→ 6
D E P R E M	→ 8
E S E R İ	→ 8
L A K	→ 4

⇒ BEYAZGÜL=?

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

6. K İ T A P L I K → 12345671

⇒ KAPI=?

- A) 1356 B) 1467 C) 1457
D) 1576 E) 1456

Şifreler / Passwords**Test – 5****7.** KALEMLİK → 02134150

⇒ ALEM=?

- A) 2234 B) 2534 C) 2134
D) 1234 E) 1431

8. TUZSUZDELIBEKİR → 6
KARAGÖZ → 3
BEBERUHİ → 4

⇒ HACİVAT=?

- A) 15 B) 8 C) 5 D) 3 E) 0

9. ŞİMENDİFER → ÜHÖÇPCLDĞÖ

⇒ DEHLİZ=?

- A) BCCKMN B) AKLBCN C) OKNBCP
D) PRTKNS E) GÇJJLV

10. AYTEN → 23

⇒ SELAHATTİN=?

- A) 51 B) 29 C) 74 D) 15 E) 46

11. GEZEĞEN → DGÜGDGK

⇒ JÜPİTER=?

- A) NHROKGY B) YHROKGN C) HYNROGK
D) HYKNROG E) HYNKRG0

12. NEDİMENİNE → 55

⇒ GÖZDENUR=?

- A) 11 B) 25 C) 35 D) 47 E) 83

YANITLAR / ANSWERS

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

Şifreler / Passwords**Test – 6**

1. 123
421
354 $\Rightarrow$ 354=?
453
153

A) FES B) SAL C) FAL
D) LAF E) SEL

2. 7343
3435
5382 $\Rightarrow$ 5382=?
7383
5293

A) ARAC B) PALA C) ÇITA
D) PARA E) ÇALI

3. 8754
7342
8457 $\Rightarrow$ 2473=?
2473
4573

A) İLAN B) VADİ C) ADİL
D) NAİL E) VİDA

4. 8979
9896
8963 $\Rightarrow$ 7383=?
7383
7963

A) KIYI B) YAZI C) YAKA
D) KAZI E) AYAZ

5. 19589
69379
79203 $\Rightarrow$ 69379=?
39796
19703

A) MADUR B) ÇANTA C) RAMAK
D) KARMA E) ÇAMUR

6. 12357
18920
02359 $\Rightarrow$ 18920=?
92180
02159

A) PALET B) KİTAP C) TAKİP
D) PAKET E) KALEM

Şifreler / Passwords

Test – 6

7. 2481
5481
8434 $\Rightarrow$ 2481=?
2471
6481

A) KAPI B) PARA C) YALI
D) YAPI E) SAPI

8. 125
435
725 $\Rightarrow$ 725=?
835
135

A) TÜL B) GEL C) SEL
D) GÜL E) BEL

9. 212
646
312 $\Rightarrow$ 646=?
612
246

A) KEK B) BEK C) KAB
D) BAB E) TEK

10. 473658
729351
474051 $\Rightarrow$ 673950=?
673950
478250

A) AROMİS B) RENOİT C) ARSEİK
D) MRONİK E) ARAKİT

11. KURUTMA $\rightarrow$ ABCBDEF
 $\Rightarrow$ MURAT=?

A) EFCBA B) EBCFD C) EBCKD
D) ECBAD E) ECDKD

12. SAMSUN $\rightarrow$ $\odot \square \leftarrow \odot \geq \rightarrow$
 $\Rightarrow$ MASUM=?

A) $\leftarrow \square \odot \geq \rightarrow$
B) $\leftarrow \geq \square \odot \leftarrow$
C) $\leftarrow \square \odot \geq \leftarrow$
D) $\leftarrow \square \odot \leq \rightarrow$
E) $\leftarrow \square \odot \leq \leftarrow$

YANITLAR / ANSWERS

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

Şifreler / Passwords**Test – 7**

1. $\triangle 125 \rightarrow 8$
 $\triangle 829 \rightarrow 19$
 $\triangle 407 \rightarrow ?$

A) 21 B) 4 C) 13 D) 11 E) 07

2. $\boxtimes 124 \rightarrow 24$
 $\boxtimes 235 \rightarrow 65$
 $\boxtimes 427 \rightarrow ?$

A) 27 B) 47 C) 67 D) 87 E) 57

3. $\bigcirc 124 \rightarrow 214$
 $126\Box \rightarrow 18$
 $\bigcirc 414\Box \rightarrow 144\Box \rightarrow 18$
 $\bigcirc 313\Box \rightarrow ?$

A) 16 B) 33 C) 43 D) 19 E) 91

4. $\Box 126 \rightarrow 216$
 $345\bigcirc \rightarrow 75$
 $\Box 171\bigcirc \rightarrow 81$
 $\Box 269\bigcirc \rightarrow ?$

A) 29 B) 69 C) 79 D) 89 E) 49

5. $\triangle 342 \rightarrow 324$
 $342\otimes \rightarrow 432$
 $\triangle 827\otimes \rightarrow 782$
 $\triangle 515\otimes \rightarrow ?$

A) 551 B) 155 C) 515
D) 101 E) 105

6. $\bigcirc 432 \rightarrow 243$
 $156\Box \rightarrow 66$
 $\bigcirc 123\Box \rightarrow 42$
 $\bigcirc 115\Box \rightarrow ?$

A) 16 B) 25 C) 51 D) 52 E) 61

Şifreler / Passwords

Test – 7

7. $\diamond 100 \rightarrow 1$
 $\diamond 987 \rightarrow 24$
 $\diamond 207 \rightarrow ?$
- A) 5 B) 6 C) 9 D) 14 E) 20

8.

A	S	L	A	N
↓	↓	↓	↓	↓
E	K	M	E	L
- $\Rightarrow$ KGTGZ =?
- A) KESER B) LEVER C) SEVER
D) SALAM E) SİVİR

9.

S	I	R	A
↓	↓	↓	↓
Ö	B	E	L
- $\Rightarrow$ OKUL=?
- A) DUFE B) ASÇL C) BAFA
D) DUFA E) ÖİFA

10. TABAK $\rightarrow$ BATAK
 $\Rightarrow$ SEMEL=?
- A) LESEM B) MESEL C) SELEM
D) MELES E) LEMES

11. MELEK $\rightarrow$ ELEKM $\rightarrow$ LEKME $\rightarrow$?
- A) KEMEK B) KELEK C) EMKEL
D) LEKEM E) EKMEL

12. HANDE $\rightarrow$ EHAND $\rightarrow$ DEHAN $\rightarrow$?
- A) ANDEH B) DANHE C) NADHE
D) EHDAN E) NDEHA

YANITLAR / ANSWERS

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

Şifreler / Passwords

Test – 8

1.

⊗	▲	▷	▲
⊗	□	⊗	△
⊗	△	▷	○
▷	△	▷	○

⇒

?

- A) ALUL
ADEM
AMUR
UMUR
- B) MSUS
MEYA
YAUL
UAUK
- C) YALI
YUVA
LOKE
JOKE
- D) BULU
BEKA
YASI
SASI
- E) ZUMU
ZEBI
BIML
MIML

3.

▶	▶	△	□	▼
▲	△	◀	▲	▶
◀	□	▼	▶	▲
▼	▼	□	△	□

⇒

?

- A) ZZBCD
KBFEA
YCDAE
DDCBC
- B) AABCD
EBFEA
FCDAE
DDCBC
- C) KKBCO
SBYKK
YCOKS
OOCBC
- D) ZZTKU
VTYVZ
YKUZZ
UUKTU
- E) MMCDE
FCGEA
GDCAE
DODCD

2.

⌒	→	⌒	→
⌒	←	⌒	←
⌒	→	⌒	←
→	⌒	←	⌒
→	⌒	←	⌒

⇒

?

- A) SAMA
BESE
MASA
ASEB
ASEM
- B) YUCU
ZAYA
HIRA
NABU
NABE
- C) LEYE
BALA
YELE
ELAB
ELAY
- D) AZEZ
UBAB
EZAB
ZABU
ZABE
- E) EBAB
IYEB
OBEY
BEYI
BEYO

4.

⊗	←	⊕	⊗
□	⊕	⊗	∞
⊗	⊗	□	∞
□	∞	⊗	⊕
⊕	←	⊗	⊗

⇒

?

- A) BYFS
CFSG
SBCG
CGSF
FYBS
- B) ZAUV
YUVE
ZYVE
YEVU
TAZV
- C) KYAS
LASE
SKLE
LESA
AYKS
- D) SOAZ
NALK
ZSNK
NKZA
AOSZ
- E) YKOS
LOSE
SYLE
LASO
OKYS

5.

⊗	□	→	⊗
⊗	□	→	←
▷	◁	←	⊗
◁	⊗	□	→
▷	◁	□	→

⇒ ?

- A) KUÇA
KUÇO
LSOK
SEUÇ
LSUÇ
- B) SAKO
SAKY
LEYZ
MEAK
LEAK
- C) MESZ
MESY
LSKO
LSES
LAES
- D) SEFC
SEFD
ZÇBA
ÇKEF
ZÇEF
- E) LUÇA
LUÇO
KSOK
KEUÇ
LSUÇ

6.

⊗	◁	□	◁
◁	□	◁	▲
□	◁	▲	⊕
⊗	⊕	□	⊕
⊗	◁	▲	⊕

⇒ ?

- A) SAKA
AKAR
ZARE
YALE
KALE
- B) YAMA
AMAÇ
MAÇA
YUVA
YAKA
- C) MAYA
AYAK
YAKZ
MZYZ
MAKZ
- D) ABUB
BUBL
CBLO
AOCO
ABLO
- E) ABYB
BYBZ
YBZU
AUYU
ABZU

7.

KUL	△ □ c
TAÇ	* □ #
ÇAL	# ∩ △
KAS	c □ ○
ŞUT	* ∩ ○

I

II

⇒ ÇAL=?

- A) c □ ○
- B) # ∩ △
- C) △ □ c
- D) * □ #
- E) * ∩ ○

8.

⊕	△	△	*
*	⊕	□	⊕
*	□	△	*
△	⊕	□	□

⇒ ?

- A) 4223
3414
3123
2411
- B) 4332
4314
3123
2411
- C) 2141
3542
3414
2331
- D) 2434
4143
3421
1243
- E) 2141
3231
4332
1233

YANITLAR / ANSWERS

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

1.

$$\left. \begin{array}{l} \square \triangle \nabla \circ \\ \triangle \nabla \circ \triangleleft \\ \diamond \boxtimes \triangleleft \triangle \\ \diamond \boxtimes \diamond \triangle \\ \triangle \nabla \triangle \triangleleft \end{array} \right\} \begin{array}{l} 1459 \\ 8419 \\ 9265 \\ 2926 \\ 9295 \end{array}$$

$\Rightarrow \nabla \triangle \triangleleft \circ = ?$

- A) 2976 B) 2756 C) 3298
D) 2956 E) 6752

2.

$$\left. \begin{array}{l} \boxtimes \circ \triangle \square \\ \circ \triangle \boxtimes \square \\ \square \circ \boxtimes \triangle \\ \triangle \boxtimes \circ \square \\ \square \boxtimes \triangle \circ \end{array} \right\} \begin{array}{l} 1234 \\ 4132 \\ 2314 \\ 3124 \\ 4213 \end{array}$$

$\Rightarrow \boxtimes \circ \square \triangle = ?$

- A) 1234 B) 4213 C) 3321
D) 3124 E) 1243

3.

$$\left. \begin{array}{l} A L E M \\ T A L İ \\ İ M L A \\ T E M A \\ K A L E \end{array} \right\} \begin{array}{l} 4519 \\ 9715 \\ 4375 \\ 2513 \\ 5137 \end{array}$$

$\Rightarrow K A L E = ?$

- A) 4375 B) 4519 C) 2513
D) 9715 E) 5137

4.

$$\left. \begin{array}{l} K A T I \\ C A D I \\ S A N I \\ D A D I \\ C A N I \end{array} \right\} \begin{array}{l} 3134 \\ 2164 \\ 7164 \\ 5184 \\ 2134 \end{array}$$

$\Rightarrow C A N I = ?$

- A) 3134 B) 2134 C) 2164
D) 5184 E) 7164

5.

$$\left. \begin{array}{l} \text{Hand 1} \text{ } \text{Hand 2} \text{ } \text{Hand 3} \\ \text{Hand 4} \text{ } \text{Hand 5} \text{ } \text{Hand 6} \\ \text{Hand 7} \text{ } \text{Hand 8} \text{ } \text{Hand 9} \\ \text{Hand 10} \text{ } \text{Hand 11} \text{ } \text{Hand 12} \\ \text{Hand 13} \text{ } \text{Hand 14} \text{ } \text{Hand 15} \end{array} \right\} \begin{array}{l} 572 \\ 125 \\ 153 \\ 712 \\ 737 \end{array}$$

$\Rightarrow \text{Hand 16} \text{ } \text{Hand 17} \text{ } \text{Hand 18} = ?$

- A) 737 B) 712 C) 572
D) 153 E) 123

6.

$$\left. \begin{array}{l} S E D A \\ E D A S \\ S A D E \\ E S A D \\ D E S A \end{array} \right\} \begin{array}{l} 1936 \\ 3619 \\ 9163 \\ 9361 \\ 3916 \end{array}$$

$\Rightarrow S E A D = ?$

- A) 3619 B) 1639 C) 6391
D) 3961 E) 1693

7.

PUSUK	35256
KILIM	94152
SUFIR	25087
ELMUS	05687
FUKIR	68481

⇒ FUKIR=?

- A) 35256 B) 94152 C) 25087
D) 05687 E) 68481

8.

BWNQ	6381
CQNW	5391
PQMW	4193
MWKA	8172
KWKQ	7173

⇒ PQKN=?

- A) 6381 B) 7173 C) 4193
D) 6379 E) 7173

9.

SEZGI	72804
ZESEK	31896
SORGU	72324
ZERGI	72890
ZERIK	32790

⇒ ZERGI=?

- A) 72804 B) 31896 C) 72324
D) 72890 E) 32790

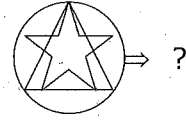
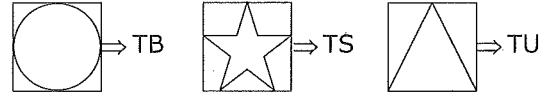
10.

▲ ■ ● *	3421
* ● ▲ ■	4312
■ ● ▲ *	1234
● ▲ * ■	2314
● * ■ ▲	3142

⇒ * ▲ ● ■ =?

- A) 3142 B) 2314 C) 1234
D) 4312 E) 4132

11.



- A) TBS B) BUT C) BUS
D) TSU E) SUB

12.

□	□	◇	6 3 7
○	□	◇	4 7 4
◇	○	△	4 6 9
◇	◇	○	3 4 9
□	△	□	6 9 3

⇒ △ ◇ ○ =?

- A) 736 B) 763 C) 697
D) 679 E) 976

YANITLAR / ANSWERS

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

Şifreler / Passwords

Test – 10

1.

BORU	6312
KARO	1562
KURA	4365
ROKA	3156
OKUR	1263

⇒ OKUR=?

- A) 6312 B) 3156 C) 4365
D) 1562 E) 1263

2.

SOBA	1278
BOYA	3127
AYIK	3951
SAYI	5921
KIYI	8727

⇒ SOKAK=?

- A) 12535 B) 21373 C) 39818
D) 58929 E) 81727

3. BURKAYCAN → ABCDEFGEH

⇒ KARAR=?

- A) DECEC B) CEDED C) DBCBD
D) DACAC E) DEBEB

4. DOĞANKENT → TNKNĞD

⇒ BAKIRKÖY=?

- A) BKRKY B) YKBKR C) YKRKB
D) BKRYK E) KRBKR

5. GÜVENLİK → $\oplus \triangleleft \square \geq \odot \alpha \vee \rightarrow$

⇒ ÜLKE =?

- A) $\triangleleft \alpha \geq \leftarrow$
B) $\triangleright \alpha \leftarrow \leq$
C) $\triangleleft \alpha \rightarrow \odot$
D) $\triangleright \alpha \rightarrow \leq$
E) $\triangleleft \alpha \rightarrow \geq$

6. ŞIMARIK → abcdebg

⇒ KARMAKARIŞIK =?

- A) gşecşgdeabgb
B) gdecgddebabg
C) gdecgdgaebgab
D) gdecşgeşabgg
E) gdecşgeşabgb

Şifreler / Passwords

Test – 10

7. BIÇAK → 12743
ÇATAL → 74046
KAŞIK → 34523
⇒ ÇATIKKAŞ=?

- A) 74023345
B) 74063345
C) 76403345
D) 74501145
E) 74263315

8. □812 → 8 ; 3
□735 → 7 ; 8
□999 → ?

- A) 9 ; 9 B) 9 ; 0 C) 9 ; 18
D) 9 ; 27 E) 18 ; 0

9. ASKER → KASER → SKAER → SKERA → X → Y

⇒ x=? y=?

- | | |
|----------|-------|
| X | Y |
| A) EARSK | AEKSR |
| B) AERKS | AEKSR |
| C) RAESK | KAERS |
| D) SKRAE | RSKAE |
| E) KRAES | SKAER |

10. (I) PANDA (LANDA) LEYLA
(II) KALEM (?) SINIF

- A) LEMSA B) ASLEM C) ALMES
D) SALEM E) MELAS

11.

SE
SE
SE
SE
+ SE
KSS

⇒ SSK=?

- A) 662 B) 553 C) 552
D) 555 E) 551

12.

○ △ □ ✕	} {	5321
△ □ ○ ●		4513
● □ △ ○		3214
✕ ● ○ □		1234
□ △ ○ ✕		2315

⇒ ● ● ✕ △ △=?

- A) 55422 B) 54522 C) 45522
D) 42552 E) 42255

YANITLAR / ANSWERS

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

İŞLEMLER

BÖLÜM / CHAPTER

2

OPERATIONS

İşlemler / Operations

Test – 1

1. $x * y = x + y + 3$

$2 * 3 = ?$

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

2. $x \square y = x^y - 1$

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

- A) 600 B) 800 C) 1000
-
- D) 1800 E) 2400

3. $\sqrt{a} \circ \sqrt{b} = a.b - 2$

$7 \bullet 2 = ?$

- A) 190 B) 191 C) 192
-
- D) 193 E) 194

4. $a \diamond (b+1) = (a-1).b+3$

$3 \diamond 5 = ?$

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

5. $a \boxtimes b = a^b + b^a$

$2 \boxtimes 3 = ?$

- A) 11 B) 13 C) 15 D) 17 E) 19

6. $x \blacksquare y = \sqrt[3]{x} - \sqrt{y}$

$343 \blacksquare 64 = ?$

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

İşlemler / Operations

Test – 1

7. $x * y = x + y + x.y$

$(1 * 2) * 3 = ?$

- A) 29 B) 27 C) 25 D) 23 E) 21

8. $x \triangle y = \frac{x+y}{x.y}$

$\frac{1}{2} \triangle \frac{1}{3} = ?$

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

9. I. $5 \blacksquare 2 = 9$
II. $7 \blacksquare 3 = 16$
III. $11 \blacksquare 6 = 25$
IV. $3 \blacksquare 1 = ?$

- A) 1 B) 2 C) 4 D) 8 E) 9

10. I. $3 * 1 = 8$

II. $5 * 2 = 21$

III. $11 * 10 = 21$

IV. $17 * 15 = ?$

- A) 2 B) 23 C) 32 D) 51 E) 64

11. $a \nabla b = \frac{a+b}{a.b} + 1$

$\frac{1}{5} \nabla \frac{1}{7} = ?$

- A) 11 B) 13 C) 15 D) 17 E) 19

12. $\sqrt{x} \diamond y^3 = x.y + 1$

$4 \diamond 8 = ?$

- A) 11 B) 22 C) 33 D) 44 E) 55

YANITLAR / ANSWERS

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

İşlemler / Operations	Test – 2
-----------------------	----------

1. $k \odot m = \frac{1}{k} + \frac{1}{m}$

$\frac{1}{3} \odot \frac{1}{7} = ?$

- A) 5 B) 10 C) 15 D) 20 E) 25

2. $s \boxtimes k = (s^k)^s + 2$

$3 \boxtimes 1 = ?$

- A) 23 B) 26 C) 29 D) 31 E) 37

3. $a * b = a^3 - b^3$

$x \boxplus y = \underbrace{x+x+\dots+x}_y$
y tane/piece

$(2 * 3) \boxplus 5 = ?$

- A) -95 B) -85 C) -75 D) -45 E) -5

4. $a \blacktriangle b = \underbrace{a.a.a.\dots a}_b$
b tane/piece

$2^{(2 \blacktriangle 3)} \blacktriangle 3 = ?$

- A) 2^{12} B) 2^{18} C) 2^{24} D) 2^{26} E) 2^{28}

5. $x \heartsuit y = (x+y) : (x-y)$

$(5 \heartsuit 2) : (3 \heartsuit 5) = ?$

- A) $\frac{-1}{12}$ B) $\frac{-3}{7}$ C) $\frac{-7}{12}$ D) $\frac{11}{13}$ E) $\frac{12}{17}$

6. $x * y = 3.x + 2.y - 1$

$a \boxdot b = a + b + 3.a.b$

$(2 * 4) \boxdot 5 = ?$

- A) 122 B) 143 C) 203 D) 213 E) 244

İşlemler / Operations

Test – 2

7. $x \bullet y = x + x.y - 3$

$(1 \bullet 2) \bullet (3 \bullet 4) = ?$

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

8. $x \diamond y = x^2 - y^2$

$(1 \diamond 2) \diamond 4 = ?$

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

9. $a^b * b^a = (a-b)^3 + 2.a.b$

$8 * 9 = ?$

- A) 8 B) 9 C) 11 D) 12 E) 13

10. $\frac{1}{x} \triangle \frac{1}{y} = x.y + 3$

$2 \triangle 5 = ?$

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

11. $a \blacksquare b = a^4 - b^4$

$3 \blacksquare x = 65 \Rightarrow x = ?$

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

12. $x \bullet y = x.y + 3.x + 2.y + 5$

$-1 \bullet 3 = ?$

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

YANITLAR / ANSWERS

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

İşlemler / Operations	Test – 3
-----------------------	----------

1. $m \square n = \frac{m}{2} + \frac{n}{3}$

$k * p = 2.k + 3.p$

$(6 \square 12) * 7 = ?$

- A) 5 B) 15 C) 25 D) 35 E) 45

2. I. ♥ 701=8

II. ♥ 1003=4

III. ♥ 216=9

IV. ♥ 20013=?

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

3. I. ☒ 234=24

II. ☒ 345=60

III. ☒ 456=120

IV. ☒ 567=?

- A) 518 B) 430 C) 370 D) 180 E) 210

4. I. ✕ 32=9

II. ✕ 53=125

III. ✕ 82=64

IV. ✕ 73=?

- A) 729 B) 573 C) 457 D) 343 E) 127

5. $a * b = \begin{cases} a + b, & a > b \\ a - b, & a \leq b \end{cases}$

$(1 * 1) * (2 * 1) = ?$

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

6.

$x * y = x^y$

$x \Delta y = x + y$

$a * (a \Delta 1) = 81 \Rightarrow a = ?$

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

7. $\mathbb{R}^2 = \{ (x, y) : x, y \in \mathbb{R} \}$

$$(x, y) \otimes (z, t) = (x.t + 1, y.z + x)$$

$$(-3, 2) \otimes \left(4, \frac{1}{2} \right) = ?$$

A) $(-1, 2)$ B) $\left(-\frac{1}{2}, 3 \right)$ C) $\left(3, \frac{5}{2} \right)$

D) $\left(-\frac{1}{2}, \frac{1}{2} \right)$ E) $\left(-\frac{1}{2}, 5 \right)$

8. I. $a \square b = \sqrt[4]{ab}$

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

III. $(1 \oplus 3) \square 8 = ?$

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

9. I. $\frac{a+b}{2} \Delta (2a-b) = a^b$

II. $2 \Delta 5 = ?$

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

10. I. $\left(\frac{a+2}{2} \right) \otimes \left(\frac{b}{3} \right) = ab$

II. $3 \otimes 2 = ?$

A) 4 B) 8 C) 12 D) 24 E) 30

11. $a \odot b = a + b$

$$a \Delta b = \begin{cases} a & , ab < 0 \\ -b & , ab \geq 0 \end{cases}$$

$$(2\Delta 1) \odot (2\Delta(-1)) = ?$$

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

12.

$$a * b = \begin{cases} a - b & , a \leq b \\ a + b & , a > b \end{cases}$$

$$(2 * 0) * (1 * 3) = ?$$

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

YANITLAR / ANSWERS

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

İşlemler / Operations

Test – 4

1. I. $6 \blacksquare 4 = 2,24$
II. $8 \blacksquare 5 = 3,40$
III. $12 \blacksquare 8 = 4,96$
IV. $10 \blacksquare 5 = ?, ?$

- A) 5,25 B) 2,15 C) 10,50
D) 15,45 E) 5,50

2.

$$x \odot y = \begin{cases} 2x + y & , x < y \\ 3.y & , x = y \\ x^2 - 5.y & , x > y \end{cases}$$

$$(1 \odot 2) \odot (3 \odot 1) = ?$$

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

3.

$$x \Delta y = \frac{x.y}{x+y}$$

$$\frac{1}{5} \Delta \left(\frac{1}{5} \Delta \frac{1}{2} \right) = ?$$

- A) $\frac{1}{2}$ B) $\frac{1}{3}$ C) $\frac{1}{5}$ D) $\frac{1}{8}$ E) $\frac{1}{12}$

4.

$$a \oplus b = \frac{1}{a} \oplus \frac{1}{b}$$

$$a \Phi b = a - b$$

$$\frac{1}{2} \Theta 3 = ?$$

- A) $\frac{1}{6}$ B) $\frac{5}{6}$ C) $\frac{1}{3}$ D) $\frac{2}{3}$ E) $\frac{5}{3}$

5.

$$x * \left(x + \frac{2}{y} \right) = 3.x - y + 2$$

$$4 * 5 = ?$$

- A) -7 B) -5 C) 7 D) 11 E) 12

6.

$$x \otimes y = x^{y-1}$$

$$3 \otimes (2 \otimes 1) - (1 \otimes 2) \otimes 3 = ?$$

- A) 12 B) 8 C) 0 D) -8 E) -12

7.

$$x \otimes y = 2x - y$$

$$x \oslash y = y^2 \otimes x$$

$$3 \oslash 4 = ?$$

- A) 2 B) 13 C) 16 D) 29 E) 35

8.

$$x \circ y = (x - 1)^2 + (y + 1)^2$$

$$2 \circ 3 = ?$$

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

9.

$$a \square b = a^b - 1$$

$$2 \square x = 31 \Rightarrow x = ?$$

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

10.

$$A \nabla B = A^2 - B$$

$$A * B = \frac{A+1}{B} + 1$$

$$(3 \nabla x) * 2 = 3 \Rightarrow x = ?$$

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

11.

$$a \oplus b = (a - b)^2$$

$$a \otimes b = \left(\frac{a}{b} \right)^2$$

$$(7 \oplus 6) \oplus (8 \otimes 4) = ?$$

- A) 1 B) 2 C) 4 D) 7 E) 9

12.

$$a \otimes b = \frac{2}{a} + \frac{3}{b}$$

$$2 \otimes \frac{1}{3} = ?$$

- A) 2 B) 4 C) 5 D) 6 E) 10

YANITLAR / ANSWERS

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

İşlemler / Operations

Test – 5

1.

$$x \nabla y = y^2 + 2x$$

$$a \nabla 4 = 20 \Rightarrow a = ?$$

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

2.

$$\frac{1}{x \diamond y} = \frac{1}{x} + \frac{1}{y}$$

$$2 \diamond (2 \diamond 2) = ?$$

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

3.

$$a \oplus b = a^2 + 2.ab$$

$$(2 \oplus 5) \oplus 4 = ?$$

- A) 725 B) 742 C) 768 D) 780 E) 800

4.

$$\sqrt{x} \square \sqrt{y} = \frac{x.y}{x+y}$$

$$3 \square 2 = ?$$

- A) $\frac{6}{5}$ B) $\frac{11}{2}$ C) $\frac{36}{5}$ D) $\frac{36}{13}$ E) 6

5.

$$a \Delta b = 2.a + 3.b - a.b$$

$$1 \Delta x = 6, \quad x \Delta y = 7 \Rightarrow y = ?$$

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

6.

$$\boxed{x} = 4.x + 6$$

$$\boxed{1} + \boxed{2} + \boxed{3} = ?$$

- A) 24 B) 28 C) 32 D) 36 E) 42

7.

$$a \odot b = \begin{cases} a^2 + b & , a > b \\ a - b^2 & , a \leq b \end{cases}$$

$$(2 \odot 2) \odot (1 \odot 3) = ?$$

- A) -10 B) -6 C) -4 D) -2 E) 0

8.

$$\nabla(a ; b) = (a - b ; a^2 - b^2 ; a + b)$$

$$\nabla(x ; y) = (7 ; z ; 5) \Rightarrow z = ?$$

- A) 20 B) 30 C) 35 D) 40 E) 45

9.

$$a \oplus b = a^2 + b$$

$$x \Delta y = 2.x.y$$

$$2 \Delta (2 \oplus 1) = ?$$

- A) 20 B) 30 C) 40 D) 50 E) 60

10.

$$a * b = \frac{1}{a} + \frac{1}{b}$$

$$5 * x = \frac{1}{4} \Rightarrow x = ?$$

- A) 1 B) 9 C) 10 D) 15 E) 20

11.

$$\frac{x}{y} \otimes \frac{m}{n} = x.n + y.m \quad (y \neq 0, n \neq 0)$$

$$\left(\frac{3}{2} \otimes \frac{4}{5} \right) \otimes 1 = ?$$

- A) 20 B) 21 C) 22 D) 23 E) 24

12.

$$a * b = a^b - 1$$

$$2 * 4 = 4 * m \Rightarrow m = ?$$

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

YANITLAR / ANSWERS

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

İşlemler / Operations

Test – 6

1.

$$a \otimes b = \frac{a}{b}$$

$$a * b = b - \frac{a}{b}$$

$$\left(\frac{a}{b} \otimes \frac{1}{b}\right) * a = ?$$

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

2.

$$a \wedge b = (a - b)^2$$

$$a \Delta b = \frac{\sqrt{a}}{b}$$

$$18 \Delta (9 \wedge 3) = ?$$

- A) $\frac{\sqrt{2}}{2}$ B) $\frac{\sqrt{2}}{10}$ C) $\frac{\sqrt{2}}{12}$ D) $\sqrt{2}$ E) $2\sqrt{2}$

3.

$$a \otimes b = \sqrt{a} + \sqrt[3]{b}$$

$$x \square y = \frac{x^2}{y}$$

$$(1 \otimes 8) \square 1 = ?$$

- A) 9 B) 8 C) 7 D) 3 E) 1

4.

$$x \bullet y = x^2 + y^2$$

$$x \diamond y = (x + 1) \bullet (b - 1)$$

$$2 \diamond (-1) = ?$$

- A) 5 B) 8 C) 10 D) 13 E) 17

5.

$$\frac{x}{y} \oslash \frac{z}{t} = \frac{x.z - y.t}{y.t}$$

$$\frac{1}{2} \oslash \frac{3}{2} = ?$$

- A) $-\frac{1}{2}$ B) $-\frac{1}{4}$ C) $\frac{3}{4}$ D) $\frac{2}{5}$ E) $\frac{1}{6}$

6.

$$x \bullet y = x^3 - y^3$$

$$\sqrt[3]{2} \bullet 1 = ?$$

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

İşlemler / Operations

Test – 6

7. $x \# y = 2.a - b$
 $3 \# k = 4 \Rightarrow k = ?$
- A) 1 B) 2 C) 3 D) 4 E) 5

8. $x \varphi y = \frac{1}{x} - \frac{1}{y}$
 $x \Phi y = \frac{2}{x} + \frac{1}{y}$
 $\left(\frac{1}{4} \varphi \frac{1}{2}\right) \Phi 3 = ?$
- A) 1 B) 2 C) $\frac{1}{2}$ D) $\frac{3}{2}$ E) $\frac{4}{3}$

9. $a \Omega b = a + b + 3$
 $a \Omega 5 = 7 \Omega b \Rightarrow a - b = ?$
- A) 1 B) 2 C) 3 D) 4 E) 5

10. $a \otimes b = 2.ab - (a + b)$
 $a * b = a + 2.b$
 $(2 * 3) \otimes 4 = ?$
- A) 20 B) 32 C) 48 D) 52 E) 65

11. $s(AB) = (AB) - (BA)$
 $s(36) + s(72) = ?$
- A) 9 B) 12 C) 15 D) 18 E) 21

12. $a \odot b = a + b - 2.a.b$
 $(2 \odot x) \odot 4 = 32 \Rightarrow x = ?$
- A) 1 B) 2 C) 3 D) 4 E) 5

YANITLAR / ANSWERS

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

İşlemler / Operations

Test – 7

1. $x \diamond y = (x+y) + (2x-3y)$

$5 \diamond 2 = ?$

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

2. $x^3 \blacktriangle \sqrt{y} = x.y + 3$

$216 \blacktriangle 3 = ?$

- A) 27 B) 37 C) 47 D) 57 E) 67

3. $x \odot y = x+y+2xy-3$

$(1 \odot 2) \odot 5 = ?$

- A) 37 B) 46 C) 57 D) 68 E) 79

4. $m \odot n = \frac{m+n}{m-n}$

$5 \odot 2 = ?$

- A)
- $\frac{1}{3}$
- B)
- $\frac{5}{3}$
- C)
- $\frac{7}{3}$
- D)
- $\frac{11}{3}$
- E)
- $\frac{17}{3}$

5. $m \star n = (1-m)^2 + (n-2)^3$

$5 \star 5 = ?$

- A) 17 B) 29 C) 43 D) 47 E) 51

6. $\frac{2}{x} \otimes \frac{5}{y} = x.y - 11$

$\frac{1}{2} \otimes \frac{1}{5} = ?$

- A) 89 B) 88 C) 87 D) 86 E) 85

İşlemler / Operations

Test – 7

7. I. $9 * 5 = 4$
 II. $11 * 6 = 5$
 III. $17 * 14 = 3$
 IV. $101 * 94 = ?$
- A) 3 B) 4 C) 5 D) 6 E) 7

8. I. $11 \odot 8 = 57$
 II. $5 \odot 1 = 24$
 III. $23 \odot 19 = 168$
 IV. $17 \odot 15 = ?$
- A) 12 B) 16 C) 24 D) 32 E) 64

9. I. $a \oplus b = a^b + 3(b \oplus a)$
 II. $a \oplus b = b \oplus a$
 III. $2 \oplus 4 = ?$
- A) -6 B) -7 C) -8 D) -9 E) -1

10. $a \Delta b = a.b$
 $c \square d = c.d$
 $(2 \Delta 1) \square 3 = ?$
- A) 2 B) 3 C) 4 D) 5 E) 6

11. I. $5 \Delta 3 = 10$
 II. $6 \Delta 7 = 37$
 III. $8 \Delta 2 = 11$
 IV. $9 \Delta 11 = ?$
- A) 73 B) 84 C) 94 D) 97 E) 101

12. I. $5 \star 3 = 2:15$
 II. $7 \star 4 = 3:28$
 III. $6 \star 5 = 1:30$
 IV. $10 \star 3 = ? : ?$
- A) 7:30 B) 7:28 C) 5:30
 D) 30:7 E) 2:20

YANITLAR / ANSWERS

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

İşlemler / Operations

Test – 8

1. $a \odot b = a + b - ab$

$(-7 \odot 5) \odot (-4) = ?$

- A) 160 B) 161 C) 162 D) 163 E) 164

2. $a \odot b = a^2 + ab$

$x \Delta y = 2.x.y$

$2\Delta(3 \odot k) = 96 \Rightarrow k = ?$

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

3. $\frac{3}{a \square b} = \frac{1}{a} - \frac{1}{b}$

$2 \square 5 = ?$

- A) 10 B) 15 C) 25 D) 50 E) 75

4. $x \bullet y = 2.x + 5.y$

$5 \bullet (-1) = ?$

- A) 5 B) 10 C) 15 D) 20 E) 25

5. $x \Theta y = x + y.(x + 1)$

$5 \Theta 2 = ?$

- A) 11 B) 13 C) 15 D) 17 E) 19

6. $a \wedge b = \frac{a+2.b}{b+1}$

$(2 \wedge 4) \wedge 2 = ?$

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

İşlemler / Operations

Test – 8

7. $a \Omega b = a^b + b$
 $(x+1) \Omega 1 = 3 \Omega 2 \Rightarrow x = ?$
A) 8 B) 9 C) 10 D) 11 E) 12

8. $a \otimes b = b - a$
 $a \Delta b = a^b$
 $\frac{4 \otimes a}{1 \Delta a} = -3 \Rightarrow a = ?$
A) 5 B) 3 C) 1 D) -1 E) -3

9. $x \odot y = \frac{ab}{a+b}$
 $(3 \odot y) \odot 5 = 2 \Rightarrow y = ?$
A) 6 B) 1 C) -8 D) -21 E) -30

10. $a \otimes b = (a - b)^2$
 $a \nabla b = \left(\frac{a}{b}\right)^2$
 $(7 \otimes 6) + (8 \nabla 4) = ?$
A) 1 B) 2 C) 3 D) 4 E) 5

11. $a \diamond b = 1 - a^b$
 $\Rightarrow 5 \diamond (1 \diamond 4) = ?$
A) 0 B) 1 C) 2 D) 3 E) 4

12. I. $1 \clubsuit 3 = 2$
II. $3 \clubsuit 5 = 12$
III. $5 \clubsuit 7 = 30$
IV. $6 \clubsuit 9 = ?$
A) 39 B) 48 C) 52 D) 54 E) 60

YANITLAR / ANSWERS

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

İşlemler / Operations

Test – 9

1. I. $8 * 6 = 28$
II. $6 * 2 = 16$
III. $7 * 5 = 24$
IV. $5 * 4 = ?$

A) 30 B) 24 C) 22 D) 18 E) 17

2. $x \diamond y = 2x^2 + 4y$

$[2 \diamond (-1)] \diamond a = 0 \Rightarrow a = ?$

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

3. $\frac{a}{3} \oplus (b+1) = ab$

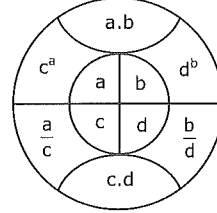
$2 \oplus 3 = ?$

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

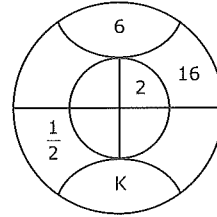
4. – 6. Soruları aşağıdaki şekle göre cevaplayınız.
Her soru birbirinden bağımsız olarak cevaplanacaktır.

Answer question 4. – 6. in accordance with the figure given below.

Each question is to be answered independently.



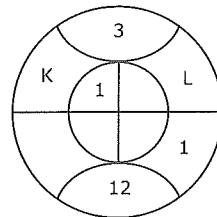
4.



$\Rightarrow K = ?$

A) 6 B) 12 C) 15 D) 18 E) 24

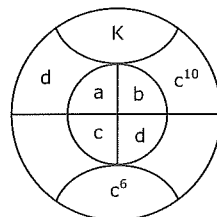
5.



$\Rightarrow K + L = ?$

A) 24 B) 31 C) 36 D) 40 E) 44

6.



$\Rightarrow K = ?$

A) 6 B) 8 C) 10 D) 12 E) 14

7. $a \otimes b = ab - (a \otimes b) - 1$

$3 \otimes 7 = ?$

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

8.

$$a * b = \begin{cases} a - 2b & , a < b \\ 3ab & , b \leq a \end{cases}$$

$[(-1) * 0] * (-2) = ?$

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

9. I. $(a, b) \odot (c, d) = (ad - c, b.d - c)$

II. $(a, b) \square (c, d) = \left(\frac{a-c}{b-d}, \frac{a+c}{b+d} \right)$

$[(8, 3) \square (7, 2)] \odot (1, 1) = ?$

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

10. ve 11. Soruları aşağıdaki tabloya göre cevaplayınız.

Answer questions 10. and 11. in accordance with the table given below.

$\odot$	A	B	C	D	E
A	B	C	D	E	A
B	C	D	E	A	B
C	D	E	A	B	C
D	E	A	B	C	D
E	A	B	C	D	E

10. $(D \odot B) \odot (E \odot C) = ?$

- A) A B) B C) C D) D E) E

11. $(x \odot A) \odot A = D$

$\Rightarrow x = ?$

- A) A B) B C) C D) D E) E

12.

$$a \otimes b = \begin{cases} a^2 - b^2 & , a \leq b \\ 2ab + 2 & , a > b \end{cases}$$

$(-1) \otimes (2 \otimes 1) = ?$

- A) 27 B) 20 C) -9 D) -25 E) -35

YANITLAR / ANSWERS

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

İşlemler / Operations

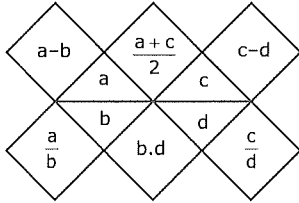
Test – 10

1. – 3. Soruları aşağıdaki şekle göre cevaplayınız.

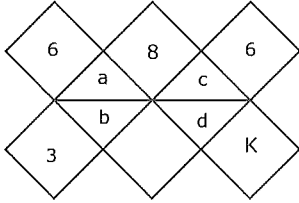
Her soru birbirinden bağımsız olarak cevaplanacaktır.

Answer question 1. – 3. in accordance with the figure given below.

Each question is to be answered independently.



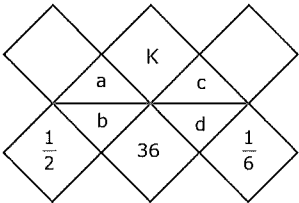
1.



⇒ K=?

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

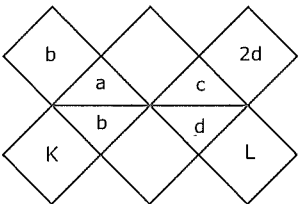
2.



⇒ K=?

- A) 2 B) 3 C) 5 D) 6 E) 8

3.



⇒ K+L=?

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

4.

$$I. a \nabla b = \frac{1}{a} + \frac{1}{b}$$

$$II. a \ominus b = (a+1).b$$

$$(3 \nabla 5) \ominus 15 = ?$$

- A) 12 B) 16 C) 19 D) 21 E) 23

5.

$$a * b = \begin{cases} a - b, & a \leq b \\ a + b, & a > b \end{cases}$$

$$(2 * 0) * (1 * 3) = ?$$

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

6.

$$I. x \star y = x^y$$

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

$$x \star (x \blacktriangle 1) = 81 \Rightarrow x = ?$$

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

7.

$$I. 5 \bullet 3 = 10$$

$$II. 6 \bullet 7 = 37$$

$$III. 8 \bullet 2 = 11$$

$$IV. 3 \bullet 11 = ?$$

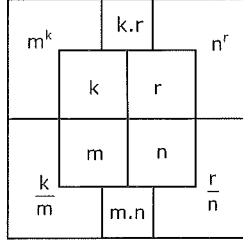
- A) 28 B) 27 C) 29 D) 31 E) 30

İşlemler / Operations

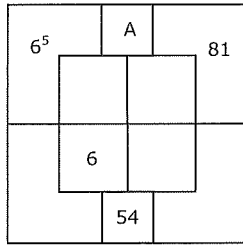
Test – 10

8. – 10. Soruları aşağıdaki şekle göre cevaplayınız.
Her soru birbirinden bağımsız olarak cevaplanacaktır.

Answer question 1. – 3. in accordance with the figure given below.
Each question is to be answered independently.



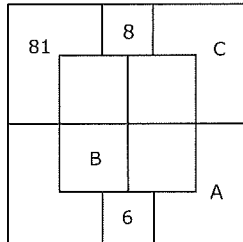
8.



$$\Rightarrow A = ?$$

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

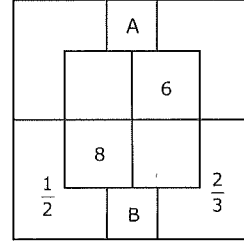
9.



$$\Rightarrow A + B + C = ?$$

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

10.



$$\Rightarrow A + B = ?$$

- A) 90 B) 96 C) 102
D) 108 E) 114

11. ve 12. Soruları aşağıdaki tabloya göre cevaplayınız.

Answer questions 10. and 11. in accordance with the table given below.

◆	E	A	B	C	D
E	E	A	B	C	D
A	B	B	C	D	E
B	C	C	D	E	A
C	C	D	E	A	B
D	D	E	A	B	E

11. $(A \diamond B) \diamond (E \diamond C) = ?$

- A) A B) B C) C D) D E) E

12. $(x \diamond A) \diamond A = D$

$$\Rightarrow x = ?$$

- A) A B) B C) C D) D E) E

YANITLAR / ANSWERS

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

İşlemler / Operations

Test – 11

1. I. $a \diamond b = a.b$

II. $c \triangle d = c.d$

$\Rightarrow (2 \diamond 1) \triangle 3 = ?$

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

2.

$$a * b = \begin{cases} a + b, & a > b \\ a - b, & a \leq b \end{cases}$$

$(1 * 1) * (2 * 1) = ?$

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

3.

$$\left(\frac{a+b}{2}\right) \otimes \left(\frac{b}{3}\right) = ab$$

$5 \otimes 2 = ?$

- A) 4 B) 8 C) 12 D) 24 E) 30

4.

$$\left(\frac{a+b}{2}\right) \Delta (2a-b) = a^b$$

$2 \Delta 5 = ?$

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

5.

I. $a \square b = \sqrt[4]{ab}$

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

$\Rightarrow (1 \oplus 3) \square 8 = ?$

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

6.

$$\mathbb{R}^2 = \{(x, y) : x, y \in \mathbb{R}\}$$

$$(x, y) \otimes (z, t) = (x.t + 1, y.z + x)$$

$(-3, 2) \otimes \left(4, \frac{1}{2}\right) = ?$

- A) $(-1, 2)$ B) $\left(-\frac{1}{2}, 3\right)$ C) $\left(3, \frac{5}{2}\right)$
D) $\left(-\frac{1}{2}, \frac{1}{2}\right)$ E) $\left(-\frac{1}{2}, 5\right)$

7.

$$a \boxplus b = a + b$$

$$a \Delta b = \begin{cases} a & , a.b < 0 \\ -b & , a.b \geq 0 \end{cases}$$

$$\Rightarrow (2 \Delta 1) \boxplus (2 \Delta (-1)) = ?$$

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

8. $a > 0, b > 0 \Rightarrow a * b = \frac{ab}{a+b}$

$$\frac{1}{3} * \frac{2}{5} = \frac{1}{2} * m \Rightarrow m = ?$$

- A) $\frac{2}{13}$ B) $\frac{1}{5}$ C) $\frac{2}{7}$ D) $\frac{7}{2}$ E) $\frac{13}{2}$

9. I. $\sqrt{a * b} = \sqrt{a} + \sqrt{b}$

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

$$\Rightarrow (1 * 4) \oplus 9 = ?$$

- A) $\frac{2}{9}$ B) $\frac{4}{9}$ C) 1 D) $\frac{9}{4}$ E) $\frac{9}{2}$

10.

$$\frac{3}{x} \nabla \frac{2}{y} = 6x - y + 5$$

$$6 \nabla a = 14 \Rightarrow a = ?$$

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

11.

I. $3 \boxplus 4 = 65$

II. $4 \boxplus 2 = 17$

III. $2 \boxplus 3 = 10$

IV. $5 \boxplus 2 = ?$

- A) 26 B) 33 C) 37 D) 50 E) 82

12.

$\boxtimes$	a	b	c	d	e
a	b	c	d	e	a
b	c	d	e	a	b
c	d	e	a	b	c
d	e	a	b	c	d
e	a	b	c	d	e

$$(x^{-1} \boxtimes c) \boxtimes (b^{-1} \boxtimes a) = d \Rightarrow x = ?$$

- A) a B) b C) c D) d E) e

YANITLAR / ANSWERS

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

İşlemler / Operations

Test – 12

1. ve 2. Soruları aşağıdaki tabloya göre cevaplayınız.

Answer questions 1. and 2. in accordance with the table given below.

◇	1	2	3	4	5
1	1	2	3	4	5
2	2	1	4	3	5
3	3	4	1	2	5
4	4	3	2	1	5
5	5	5	5	5	5

1. $(3 \diamond 2) \diamond (4 \diamond 3) = ?$

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

2. $(x \diamond 2) \diamond 2 = 3 \Rightarrow x = ?$

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

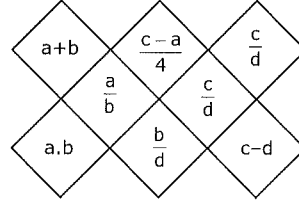
3. $\frac{1}{12} \ominus a = \frac{1}{2a} - \frac{1}{3b}$

$(1 \ominus 2) \ominus 3 = ?$

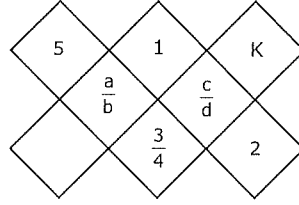
- A) $-\frac{1}{3}$ B) $-\frac{5}{6}$ C) $\frac{5}{6}$ D) $\frac{11}{12}$ E) $\frac{1}{6}$

4. – 6. Soruları aşağıdaki şekle göre cevaplayınız.

Answer question 1. – 3. in accordance with the figure given below.



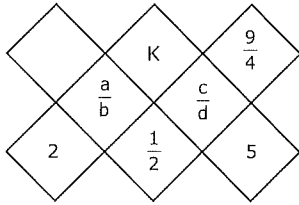
4.



$\Rightarrow K = ?$

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

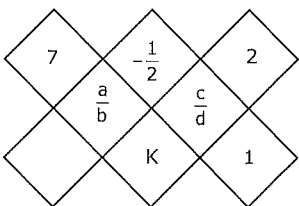
5.



$\Rightarrow K = ?$

- A) 1 B) 2 C) 4 D) 5 E) 9

6.



$\Rightarrow K = ?$

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

İşlemler / Operations

Test – 12

7. $m \Omega n = 7.m - 3.n - 5$

$x \Omega x = x \Rightarrow x = ?$

- A) $\frac{5}{3}$ B) $\frac{3}{2}$ C) $\frac{5}{4}$ D) $\frac{3}{4}$ E) $\frac{7}{2}$

8. I. 895 ✕ 11
II. 592 ✕ 8
III. 927 ✕ 9
IV. 781 ✕ 8
V. 723 ✕ ?

- A) 11 B) 9 C) 5 D) 17 E) 6

9. I. 76 $\odot$ 50 $\Rightarrow$ 26
II. 53 $\odot$ 31 $\Rightarrow$ 22
III. 92 $\odot$ 71 $\Rightarrow$ 21
IV. 75 $\odot$ 43 $\Rightarrow$ 32
V. 67 $\odot$ 23 $\Rightarrow$?

- A) 25 B) 28 C) 33 D) 44 E) 58

10. $2^m \cup 3^n = m + n + 5$

$\frac{1}{32} \cup \frac{1}{81} = ?$

- A) -4 B) -5 C) 4 D) 5 E) 9

11. I. $a \oplus b = ab^2 \otimes ba^2$

II. $a \otimes b = \frac{b-a}{a}$

$\Rightarrow m \oplus n = ?$

- A) $\frac{n-m}{m}$ B) $\frac{m}{n}$ C) $\frac{m}{n} - 1$
D) $\frac{n}{m} - 1$ E) $\frac{n}{m}$

12. $x \odot y = (x^3 \cdot y^2)^2$

$i \odot (j \odot k) = ?$

- A) $i^4 \cdot j^4 \cdot k^{16}$ B) $i^4 \cdot j^8 \cdot k^8$ C) $i^6 \cdot j^{18} \cdot k^8$
D) $i^6 \cdot j^{24} \cdot k^8$ E) $i^6 \cdot j^{24} \cdot k^{16}$

YANITLAR / ANSWERS

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

İşlemler / Operations

Test – 13

1. $m \diamond n = (m+n)^2 - (m-n)^2$

$$\sqrt{2} \diamond (\sqrt{2} \diamond (\sqrt{2} \diamond \sqrt{2})) = ?$$

- A) 2^3 B) 12 C) 16 D) 2^8 E) 512

2. $(x, y) \Delta (z, t) = (x.t - z, y.t + z)$

$$(m, n) \Delta (5, 1) = (-3, 7) \Rightarrow m+n = ?$$

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

3.

$$m \otimes n = \begin{cases} 3m - n & , m < n \\ m^n & , m \geq n \end{cases}$$

$$\Rightarrow (3 \otimes 5) \otimes 4 = ?$$

- A) 16 B) 56 C) 256 D) 276 E) 512

4.

$$3^{2a} \nabla \frac{2^5}{b} = 6.ab - 7$$

$$9 \nabla 8 = ?$$

- A) 5 B) 17 C) 23 D) 31 E) 47

5.

$$m \otimes n = m.n - 1$$

$$3^{2 \otimes 5} \otimes 3^{1 \otimes 4} = ?$$

- A) $3^5 - 2$ B) $3^{12} - 1$ C) 3
D) 27 E) $3^{27} - 5$

6.

I. $x \oplus y = (xy)^{yx}$

II. $x \otimes y = \left(\frac{y}{x}\right)^x$

$$\Rightarrow 1 \otimes (2 \oplus 3) = ?$$

- A) 3^6 B) 3^9 C) 2^3 D) 6^6 E) 2^6

7. $a \otimes b = \sqrt[3]{a} + \sqrt[4]{b}$

$27 \otimes 81 = ?$

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

8. I. $a \otimes b = \frac{a^2}{b}$

II. $a * b = \frac{a.b}{2}$

$(2 \otimes 1) * (4 \otimes 2) = ?$

- A) 4 B) 6 C) 16 D) 20 E) 32

9. I. $a \otimes b = a + b$

II. $a * b = a^2 - b^2$

$(\sqrt{5} * \sqrt{3}) \otimes 50 = ?$

- A) 20 B) 32 C) 48 D) 52 E) 62

10. I. $a \otimes b = (a + b) \cdot \frac{b}{a}$

II. $a \oplus b = (a - b) - \frac{a}{b}$

$(2 \otimes 4) \oplus 3 = ?$

- A) 3 B) 4 C) 5 D) 9 E) 12

11. I. $a \oplus b = (a - b)^2$

II. $a \otimes b = \left(\frac{a}{b}\right)^2$

$(7 \oplus 6) \otimes (8 \otimes 4) = ?$

- A) 1 B) 2 C) 4 D) 7 E) 9

12. $a * b = a^b + b$

$(x+1) * 1 = 3 * 2 \Rightarrow x = ?$

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

YANITLAR / ANSWERS

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

İşlemler / Operations

Test – 14

1. ve 2. soruları aşağıdaki bilgilere göre cevaplayınız.

Answer questions 1. and 2. in accordance with given below.

$$X \in \mathbb{Z}^+$$

$$\boxed{X} = 4.X + 6$$

Örnek/Example: $\boxed{4} = 4.4 + 6 = 22$

1. $\boxed{1} + \boxed{2} + \boxed{3} = ?$

- A) 24 B) 28 C) 32 D) 36 E) 42

2. $\boxed{x+2} = 74 \Rightarrow x = ?$

- A) 15 B) 16 C) 17 D) 18 E) 19

3. $a * b = \frac{3}{a} + \frac{b}{7}$

$$9 * 21 = ?$$

- A) $\frac{2}{3}$ B) $\frac{5}{3}$ C) $\frac{7}{3}$ D) $\frac{8}{3}$ E) $\frac{10}{3}$

4. - 6. soruları aşağıdaki bilgilere göre cevaplayınız.

Her soruyu birbirinden bağımsız olarak cevaplayınız.

Answer questions 4. and 6. in accordance with given below.

Each question is to be answered independently.

$$T(AB) = (AB) - (BA)$$

Örnek/Example: $T(41) = 41 - 14 = 27$

$$T(35) = 35 - 53 = -18$$

4. $T(45) + T(87) = ?$

- A) -33 B) -18 C) 0 D) 18 E) 33

5. $T(AB) = 72 \Rightarrow (AB) = ?$

- A) 71 B) 72 C) 81 D) 91 E) 92

6. $T(AB) = -45$

Eşitliğini sağlayan kaç tane (AB) sayısı vardır?

How many providing equality (AB) has a two-digit number?

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

İşlemler / Operations

Test – 14

7. I. $x \Delta y = y - x$

II. $x * y = x^y$

$\frac{4 \Delta a}{1 * a} = -3 \Rightarrow a = ?$

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

8. I. $x \otimes y = 2x - y$

II. $x * y = y^2 \otimes x$

$2 * 3 = ?$

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

9. $a * b = 2a - b$

$17 * k = 20 \Rightarrow k = ?$

- A) 12 B) 14 C) 16 D) 18 E) 22

10. I. $a \Delta b = \frac{a+b}{2}$

II. $x \otimes y = x.y$

$(6 \Delta 4) \otimes 2 = ?$

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

11. I. $x * y = \frac{1}{x} - \frac{1}{y}$

II. $x \oplus y = \frac{2}{x} + \frac{1}{y}$

$\left(\frac{1}{4} * \frac{1}{2}\right) \oplus 3 = ?$

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

12. $x \Delta y = x + y + 3$

$a \Delta 5 = 7 \Delta b \Rightarrow a - b = ?$

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

YANITLAR / ANSWERS

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

İşlemler / Operations

Test – 15

1. ve 3. soruları aşağıdaki bilgilere göre cevaplayınız.

Answer questions 1. and 3. in accordance with given below.

$$x + y \neq 0 \quad x * y = \frac{x \cdot y}{x + y}$$

1. $x * 6 = 4 \Rightarrow x = ?$

- A) 6 B) 8 C) 10 D) 12 E) 14

2. $(1 * 2) * 3 = ?$

- A) $\frac{1}{2}$ B) $\frac{3}{7}$ C) $\frac{6}{11}$ D) $\frac{5}{13}$ E) $\frac{8}{17}$

3. $(3 * y) * 5 = 2 \Rightarrow y = ?$

- A) 6 B) 1 C) -8 D) -21 E) -30

4. I. $a \circ b = (a - b)^2$

II. $a \Delta b = \frac{\sqrt{a}}{b}$

$18 \Delta (9 \circ 3) = ?$

- A) $\frac{\sqrt{2}}{8}$ B) $\frac{\sqrt{2}}{10}$ C) $\frac{\sqrt{2}}{12}$ D) $\sqrt{2}$ E) $2\sqrt{2}$

5. ve 6. soruları aşağıdaki bilgilere göre cevaplayınız.

Answer questions 5. and 6. in accordance with given below.

$$a \nabla b = a + b - ab$$

5. $[(-7) \nabla 5] \nabla (-4) = ?$

- A) 159 B) 160 C) 161
D) 162 E) 163

6. $3 \nabla b = 15 \Rightarrow b = ?$

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

İşlemler / Operations

Test – 15

7. $\frac{x}{y} \otimes \frac{m}{n} = xn + ym \quad (y, n \neq 0)$

$$\left[\frac{3}{2} \otimes \frac{4}{5} \right] \otimes 1 = ?$$

- A) 20 B) 21 C) 22 D) 23 E) 24

8. ve 9. soruları aşağıdaki bilgilere göre cevaplayınız.

Answer questions 8. and 9. in accordance with given below.

$$a \otimes b = a^{b-1}$$

8. $3 \otimes (2 \otimes 1) - (1 \otimes 2) \otimes 3 = ?$

- A) 12 B) 8 C) 0 D) -8 E) -12

9. $\frac{2 \otimes (4 \otimes 2)}{(2 \otimes 4) \otimes 2} = ?$

- A) 1 B) 2 C) 2^6 D) 2^{12} E) 2^{24}

10. $\Delta(a, b) = (a - b, a^2 - b^2, a + b)$

$$\Delta(x, y) = (7, z, 5) \Rightarrow z = ?$$

- A) 20 B) 30 C) 35 D) 40 E) 45

11. I. $x \ominus y = x + y$

II. $x \Phi y = \begin{cases} x, & x.y < 0 \\ -y, & x.y \geq 0 \end{cases}$

$$(2 \Phi 1) \ominus (2 \Phi (-1)) = ?$$

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

12. I. $a \Delta b = \frac{1}{a} \ominus \frac{1}{b}$

II. $a \ominus b = a - b$

$$\frac{1}{2} \Delta 3 = ?$$

- A) $\frac{1}{6}$ B) $\frac{5}{6}$ C) $\frac{1}{3}$ D) $\frac{2}{3}$ E) $\frac{5}{3}$

YANITLAR / ANSWERS

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

İşlemler / Operations

Test – 16

1. $a * \left[a + \frac{2}{b} \right] = 3a - b + 2$

$4 * 5 = ?$

- A) -7 B) -5 C) 7 D) 11 E) 12

2. $A \vee B = A^2 - B$

$A * B = \frac{A+1}{B} + 1$

$(3 \vee x) * 2 = 3 \Rightarrow x = ?$

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

3. $a \Delta b = \frac{(a+b)(b+1)}{a^2 + 1}$

$3 \Delta 7 = ?$

- A) 2 B) 4 C) 6 D) 8 E) 10

4.

$a * b = \begin{cases} a + 2b, & a + b \text{ Tek ise / if an odd number} \\ a - 2b, & a + b \text{ Çift ise / if even number} \end{cases}$

$(2 * 1) * (3 * 1) = ?$

- A) 2 B) 4 C) 6 D) 10 E) 14

5.

$a \otimes b = \frac{2}{a} + \frac{3}{b}$

$2 \otimes \frac{1}{3} = ?$

- A) 2 B) 4 C) 5 D) 6 E) 10

6.

*	a	b	c	d	e
a	c	d	e	a	b
b	d	e	a	b	c
c	e	a	b	c	d
d	a	b	c	d	e
e	b	c	d	e	a

$a * (b * x) = c \Rightarrow x = ?$

- A) a B) b C) c D) d E) e

İşlemler / Operations

Test – 16

7. – 9. soruları aşağıdaki bilgilere göre cevaplayınız.

Answer questions 7. – 9. in accordance with given below.

Δ	a	b	c	d	e
a	d	e	a	b	c
b	e	a	b	c	d
c	a	b	c	d	e
d	b	c	d	e	a
e	c	d	e	a	b

$$d^n = \underbrace{d\Delta d\Delta d\Delta \dots \Delta d}_n$$

n - tane/piece

7. $(a\Delta b)\Delta c = ?$

- A) a B) b C) c D) d E) e

8. $d^{100} = p \Rightarrow p = ?$

- A) a B) b C) c D) d E) e

9. $d^3\Delta x = b \Rightarrow x = ?$

- A) a B) b C) c D) d E) e

10. ve 11. soruları aşağıdaki bilgilere göre cevaplayınız.

Answer questions 10. and 11. in accordance with given below.

$$x\Delta y = x^y - 1$$

10. $3\Delta 4 = ?$

- A) 26 B) 27 C) 80 D) 81 E) 243

11. $2\Delta x = 31 \Rightarrow x = ?$

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

12. $a \otimes b = 16 + 3(b \otimes a)$
 $a \otimes b = b \otimes a$
 $2 \otimes 4 = ?$

- A) -6 B) -7 C) -8 D) -9 E) -1

YANITLAR / ANSWERS

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

İşlemler / Operations

Test – 17

1. I. $(a, b) \Delta (c, d) = (a.d, b.c)$
 II. $(2, x) \Delta (y, 4) = (1, 2) \Delta (3, 8)$
 $\Rightarrow x.y = ?$
- A) 2 B) 4 C) 6 D) 8 E) 10

2. $(a, b) \circ (c, d) = (a.c - 1, b.d + 1)$
 $\Rightarrow (2, 3) \circ (4, 5) = ?$
- A) (1, 7) B) (3, 6) C) (7, 11)
 D) (7, 16) E) (11, 16)

3. I. $\otimes a b \rightarrow a.b + 3$
 II. $\Delta a b \rightarrow (a - b)^3$
 $\Rightarrow (\otimes 2 3) + (\Delta 5 6) = ?$
- A) 5 B) 6 C) 7 D) 8 E) 9

4. I. $a \circ b = a^b + b^a$
 II. $x \square y = x^3 + y^3$
 $\Rightarrow (2 \circ 1) \circ (-1 \square 0) = ?$
- A) $-\frac{1}{3}$ B) $-\frac{2}{3}$ C) $-\frac{5}{3}$ D) $-\frac{7}{3}$ E) $-\frac{11}{3}$

5. $\sqrt{a} \Delta \sqrt{b} = 4.a + 3.b$
 $\Rightarrow 3 \Delta 2 = ?$
- A) 12 B) 24 C) 36 D) 48 E) 50

6. $x \diamond y = x^3 + 3x^2y + 3xy^2 + y^3$
 $\Rightarrow (-2001) \diamond 2002 = ?$
- A) 0 B) 1 C) 2003 D) 4000 E) 4003

7. $(x + y) \oplus (x^3 - 1) = 3.x + 2.y - 5$

$\Rightarrow 5 \oplus 26 = ?$

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

8.

$$\sqrt[3]{a} \nabla \sqrt{b} = \begin{cases} a+b & , a > b \\ a^4 + 1 & , a \leq b \end{cases}$$

$\Rightarrow 3 \nabla 2 = ?$

- A) 31 B) 30 C) 29 D) 28 E) 27

9.

$$x^{-3} \theta y^{-2} = \frac{1}{x} + \frac{3}{y}$$

$\Rightarrow \frac{1}{27} \theta \frac{1}{16} = ?$

- A) $\frac{7}{12}$ B) $\frac{9}{7}$ C) $\frac{10}{13}$ D) $\frac{13}{12}$ E) $\frac{17}{13}$

10. $(ab) \otimes (cd) = 3.a + c - b + 1$

$\Rightarrow (23) \otimes (57) = ?$

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

11.

$\Delta 231 = 61$

$\Delta 314 = 34$

$515 \oplus = 56$

$835 \oplus = 88$

$\Rightarrow (\Delta 243) + (425 \oplus) = ?$

- A) 100 B) 110 C) 120 D) 130 E) 140

12.

$$\boxed{a} = \frac{1+a}{2a} \quad , \quad a \diamond b = \frac{\boxed{a}}{\boxed{a} + \boxed{b}}$$

$\Rightarrow 3 \diamond 9 = ?$

- A) $\frac{5}{3}$ B) $\frac{7}{12}$ C) $\frac{9}{5}$ D) $\frac{6}{11}$ E) $\frac{9}{8}$

YANITLAR / ANSWERS

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

SAYI DİZİLERİ

BÖLÜM / CHAPTER

3

NUMBER SEQUENCES

1. 64 , 32 , 16 , 8 , 4 , 2 , ?

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

2. 18 , 24 , 6 , 12 , 3 , ?

- A) 6 B) 7 C) 8 D) 9 E) 1

3. 2 , 20 , 3 , 33 , 4 , 47 , 5 , 62 , ? , ?

- A) 6-76 B) 78-6 C) 6-30
D) 6-78 E) 82-6

4. 45 , 38 , 32 , 27 , 23 , x , y
y=?

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

5. 2 , 8 , 32 , 128 , ?

- A) 256 B) 512 C) 1024
D) 2048 E) 4096

6. 2 , 3 , 5 , 6 , 8 , 9 , ?

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

7. 3 , 4 , 2 , 3 , 1 , 2 , ?

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

8. 7 , 10 , 10 , 8 , 11 , 11 , 9 , 12 , ?

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

9. 2, 5, 8, 11, 14, ?

A) 23 B) 21 C) 19 D) 17 E) 15

10. 4, 8, 13, 19, 26, x, y

x+y=?

A) 47 B) 59 C) 65 D) 77 E) 83

11. 2, 4, 5, 6, 8, 8, 11, x, y

y-x=?

A) 1 B) 4 C) 5 D) 6 E) 9

12. 5, 5, 6, 7, 8, 9, 11, 11, 15, 13, x, y

x+y=?

A) 15 B) 20 C) 25 D) 30 E) 35

13. 1, $\frac{6}{7}$, $\frac{8}{9}$, 1, $\frac{15}{13}$, ?A) $\frac{1}{2}$ B) $\frac{1}{3}$ C) $\frac{2}{5}$ D) $\frac{4}{3}$ E) $\frac{10}{7}$

14. 1, 3, 9, 27, 81, x, y

x+y=?

A) 73 B) 97 C) 113 D) 357 E) 972

15. 3a, 5b, 7c, 9d, 11e, ?

A) 12e B) 12f C) 13e D) 14f E) 13f

16. $\frac{1}{32}$, $\frac{1}{16}$, $\frac{1}{8}$, $\frac{1}{4}$, $\frac{1}{2}$, ?

A) 1

B) 0/1

C) 1/0

D) 0/0

E) 0

YANITLAR / ANSWERS

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

Sayı Dizileri / Number Sequence**Test – 2****1.** 8 , 6 , 9 , 7 , 10 , ?

A) 11 B) 12 C) 13 D) 8 E) 9

2. 120 , 40 , 60 , 20 , 30 , ?

A) 40 B) 10 C) 90 D) 10 E) 15

3. 60 , 2 , 58 , 4 , 56 , 6 , 54 , x , y
x=? y=?A) 52-8 B) 8-52 C) 50-8
D) 52-6 E) 8-50**4.** 40 , 37 , 43 , 36 , 46 , 35 , x , y
x=? y=?A) 49-34 B) 36-49 C) 34-49
D) 49-33 E) 36-43**5.** 45 , 15 , 18 , 6 , 9 , ?

A) 3 B) 27 C) 12 D) 10 E) 6

6. 2345 , 3456 , 4567 , 5678 , ?A) 7890 B) 5678 C) 6789
D) 8765 E) 6890**7.** 36 , 18 , 18 , 9 , 9 , ?

A) 10 B) 6 C) 3 D) 4,5 E) 5

8. 3 , 13 , 4 , 15 , 5 , 17 , 6 , 19 , 7 , ?

A) 22 B) 20 C) 8 D) 23 E) 21

9. 7, 15, 9, 20, 11, 25, 13, 30, ?

A) 31 B) 35 C) 24 D) 15 E) 14

10. 40, 38, 36, 35, 32, 32, ?

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

11. 1, 5, 6, 11, 17, 28, ?

A) 38 B) 44 C) 39 D) 35 E) 45

12. $1, \sqrt{2}, 9, 2, 25, 4, ?$

A) $\sqrt{3}$ B) 3 C) $\sqrt{5}$ D) 36 E) 49

13. 10, 12, 13, 14, 15, 17, 18, 19, 20, 22, 23, 24, x, y

x=? y=?

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

14. 1, 2, 5, 10, 13, x, y

x=? y=?

A) 26-29 B) 26-28 C) 29-1
D) 25-26 E) 16-29

15. 17, 13, 11, 7, 5, x, y

x=? y=?

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

16. 100, 99, 90, 88, 80, 77, 70, a, b, c, d

c=? d=?

A) 66, 56 B) 60, 55 C) 55, 50
D) 50, 44 E) 40, 33

YANITLAR / ANSWERS

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

Sayı Dizileri / Number Sequence

Test – 3

1. $0,1 - 0,08 - 0,07 - 0,05 - 0,04 - x - y - a$
 $a=?$

- A) 0,01 B) 0 C) -0,02
 D) 0,02 E) -0,01

2. $1, 9, 2, 8, 3, 7, 4, 6, x, a, b$
 $a=? \quad b=?$

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

3. $0,504 - 0,405 - 0,306 - 0,207 - 0,108 - x - y$
 $y=?$

- A) 0,009 B) 0 C) -0,090
 D) -9,009 E) 0,999

4. $25, 16, 9, 4, x, y$
 $y=?$

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

5. (I) (II) (III) (IV)
 13 24 58 66
 24 45 109 ?

- A) 89 B) 117 C) 127 D) 138 E) 108

6. (I) (II) (III) (IV)
 22 10 12 25
 5 2 4 ?

- A) 7 B) 8 C) 6 D) 5 E) 10

7. $4 \rightarrow 19$
 $3 \rightarrow 14$

- A) $2 \rightarrow 7$ B) $10 \rightarrow 110$ C) $8 \rightarrow 69$
 D) $7 \rightarrow 51$ E) $5 \rightarrow 24$

8. $38 \rightarrow 47$
 $25 \rightarrow 34$

- A) $24 \rightarrow 35$ B) $18 \rightarrow 29$ C) $65 \rightarrow 74$
 D) $36 \rightarrow 44$ E) $43 \rightarrow 54$

9. 1, 9, 25 ; 2, x, 36 ; 3, 25, y ; z

$$x+y+z=?$$

A) 45 B) 69 C) 40 D) 52 E) 89

10. (I) 10, 15, 20

(II) 30, 35, 40

(III) 50, 45, 40

(IV) 70, 75, 80

(V) 90, 85, 80

Hangi sayı dizileri aynı kurala göre oluşturulmuştur?

A) III, IV, V B) I, III, V C) II, III, IV

D) II, IV, V E) I, II, IV

11. (I) 2, 4, 8, 10, 20

(II) 3, 6, 18, 21, 63

(III) 4, 8, 32, 36, 144

Yukarıdaki sayı dizileri belli bir kurala göre oluşturulmuştur. Hangisi bu kurala uyar?

A) 5, 10, 50, 55, 275

B) 5, 10, 20, 25, 50

C) 5, 10, 15, 45, 225

D) 5, 10, 20, 60, 65

E) 5, 10, 30, 35, 105

12. (I) 3+16

(II) 7+17

(III) 5+13

(IV) 6+18

(V) 10+14

Yukarıdaki aritmetik işlemlerden hangileri aynı kurala göre oluşturulmuştur?

A) I, II, III B) I, III, IV C) II, III, IV

D) II, IV, V E) II, III, V

13. (I) 5+18

(II) 20+3

(III) 4+17

(IV) 12+11

(V) 7+14

Yukarıdaki aritmetik işlemlerden hangileri aynı kurala göre oluşturulmuştur?

A) I, II, III B) III, IV, V C) I, II, IV

D) II, III, V E) I, IV, V

14. Aşağıdaki sayı dizilerinden hangileri aynı kurala göre oluşturulmuştur?

(I) 12, 15, 20

(II) 18, 21, 26

(III) 14, 16, 20

(IV) 15, 20, 25

(V) 20, 23, 28

A) I, II, III B) II, IV, III C) I, IV, V

D) II, IV, V E) I, II, V

YANITLAR / ANSWERS

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

1. 2, 3, 5, 8, 12, 17, 23, 29

Şeklindeki sayı dizisinde bir eleman yanlıştır. Yanlış sayı hangi sayı ile değiştirilmelidir?

- A) $8 \leftrightarrow 9$ B) $17 \leftrightarrow 18$ C) $2 \leftrightarrow 1$
D) $23 \leftrightarrow 21$ E) $29 \leftrightarrow 30$

2. 14, 19, 24, 29, 34, 39, 44, 50, 54
Sayı dizisindeki uyumsuz sayı hangisidir?

- A) 19 B) 29 C) 39 D) 54 E) 50

3. 27 - 25 - 26 - 13 - 11 - 12 - 6 - 3 - 5 - 2,5
Sayı dizisine ait olmayan terim hangisidir?

- A) 13 B) 11 C) 5 D) 3 E) 2,5

4. $4 \rightarrow 17$
 $7 \rightarrow 50$

- A) $5 \rightarrow 2$ B) $2 \rightarrow 4$ C) $1 \rightarrow 2$
D) $3 \rightarrow 46$ E) $2 \rightarrow 15$

5.

1	0	3	5	7
0	3	5	7	1
3	5	7	1	0
5	7	1	0	3
			?	

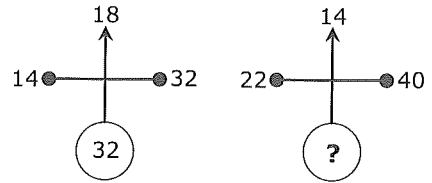
- A) 7 B) 5 C) 3 D) 1 E) 0

6.

☐	2	$\rightarrow$	3	$\rightarrow$	5
☐	3	$\rightarrow$	8	$\rightarrow$	11
☐	5	$\rightarrow$	24	$\rightarrow$	29
☐	4	$\rightarrow$	15	$\rightarrow$	19
☐	1	$\rightarrow$	?	$\rightarrow$	?

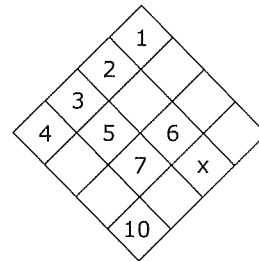
- A) 0-2 B) 2-4 C) 1-3
D) 1-2 E) 0-1

7.



- A) 36 B) 40 C) 42 D) 61 E) 88

8.



x=?

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

9. $6 - \diamond = 5$
 $\triangle - 5 = 6$
 $\bigcirc - 6 = \triangle$
 $\diamond + \bigcirc + \triangle = ?$
- A) 9 B) 10 C) 11 D) 20 E) 29

10. $(20 \triangle 5 \square 55) : 5 \neq 14$

İfadesinin eşitlik haline dönüşebilmesi için sıra ile $\triangle$ ve $\square$ yerine aşağıdakilerden hangisi gelmelidir?

	$\triangle$	$\square$
A)	x	+
B)	-	x
C)	+	-
D)	-	+
E)	÷	x

11. 555550 , 555505 , 555055 , ?

- A) 555055 B) 55505555 C) 550555
D) 55055 E) 505555

12. A : 123 , 234 , 345
B : 456 , ? , 678

- A) 222 B) 468 C) 512
D) 567 E) 642

13. $4 \square 2 \Rightarrow 2 ; 12$
 $5 \square 3 \Rightarrow 2 ; 16$
 $8 \square 5 \Rightarrow 3 ; 26$
 $7 \square 4 \Rightarrow ? ; ?$

- A) 3 ; 33 B) 3 ; 28 C) 3 ; 22
D) 5 ; 45 E) 9 ; 65

14. (I) 18 , 16 , 13 , 9 , a
(II) 3 , 7 , 12 , 18 , b

	a	b
A)	25	18
B)	4	25
C)	18	4
D)	8	20
E)	12	12

15. $\frac{2}{3} , \frac{4}{4} , \frac{8}{7} , \frac{14}{12} , \frac{22}{19} , \frac{x}{y}$
 $\frac{x}{y} = ?$

- A) $\frac{33}{30}$ B) $\frac{32}{28}$ C) $\frac{19}{18}$
D) $\frac{15}{19}$ E) $\frac{20}{21}$

16. $12 \# 17 = 81$
 $37 \# 41 = 43$
 $65 \# 53 = 90$
 $86 \# 51 = ?$

- A) 91 B) 37 C) 58 D) 50 E) 90

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

1.

A	C	D	E
A	C	E	D
D	A	E	C

A)

2	3	5	6
2	3	6	5
6	2	6	3

B)

5	8	9	7
5	7	7	9
9	5	7	8

C)

1	3	4	5
1	3	5	4
4	1	5	3

D)

8	7	6	5
8	7	5	6
6	8	5	5

E)

7	4	3	8
8	6	8	3
7	6	5	2

2.

8	7	9	6	10	5	X
28	27	29	26	30	25	y

	x	y
A)	10	30
B)	15	20
C)	7	32
D)	31	11
E)	11	31

3.

- (I) 2, 4, 6, 3, 1
(II) 8, 16, 18, 9, 7
(III) 12, 24, x, 13, y

	x	y
A)	48	22
B)	11	26
C)	26	11
D)	32	13
E)	26	15

4.

$$\frac{1}{3}, \frac{4}{3}, \frac{7}{12}, \frac{19}{84}, \frac{a}{b}$$

$$b-a=?$$

- A) 1490 B) 1491 C) 1492
D) 1493 E) 1495

5.

$$361, 324, 289, 256, x$$

$$\sqrt{x} = ?$$

- A) 196 B) 14 C) 15 D) 225 E) 169

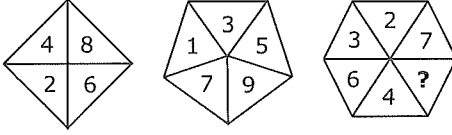
6.

22	(144)	y
38	(49)	31
27	(400)	7
25	(x)	17

$$x-y=?$$

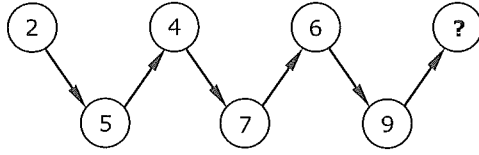
- A) 54 B) 30 C) 240 D) 12 E) 83

7.



- A) 8 B) 5 C) 9 D) 1 E) 0

8.



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

9. 10, 9.5, 9, 8.5, 8, 7.5, ?

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

10. 12, 8.5, 5, 1.5, ?

- A) -2 B) -2.5 C) -3 D) -3.25 E) -3.5

11. 19, 38, 57, 76, 95, 114, ?

- A) 139 B) 127 C) 164 D) 142 E) 133

12. 100, 99, 96, 91, 84, 75, 64, ?

- A) 34 B) 32 C) 57 D) 51 E) 48

13. 2, 6, 9, 27, 30, 90, 93, ?

- A) 270 B) 96 C) 180 D) 192 E) 279

14. 12, 11, 9, 6, 2, ?

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

YANITLAR / ANSWERS

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

Sayı Dizileri / Number Sequence**Test – 6****1.** 8 , 16 , 64 , 128 , 512 , 1024 , ?

- A) 2048 B) 4096 C) 3072
D) 6144 E) 5120

2. 3 , 23 , 7 , 79 , 11 , ? , ?

- A) 79 , 7 B) 143 , 8 C) 247 , 15
D) 171 , 3 E) 54 , 9

3. 2 , 4 , 7 , 14 , 17 , ?

- A) 24 B) 32 C) 28 D) 34 E) 26

4. 9 , 6 , 10 , 7 , 11 , ? , 12 , 9

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

5. 3 , 5 , 10 , 12 , 24 , ?

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

6. 10 , 7 , 9 , 6 , 8 , ?

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

7. 10 , 8 , 6 , 4 , 2 , ?

- A) 1 B) 0 C) -1 D) 0,1 E) 7

8. 0 , 3 , 9 , 12 , 36 , ?

- A) 72 B) 39 C) 103 D) 40 E) 48

9. 60 , 20 , 24 , 8 , 12 , ?

A) 36 B) 4 C) 3 D) 16 E) 8

10. 2 , 4 , 3 , 6 , 4 , 8 , 5 , ?

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

11. 5 , 9 , 8 , 12 , 11 , ?

A) 15 B) 13 C) 10 D) 7 E) 6

12. 238 , 77 , 24 , 7 , ?

A) 1 B) 2 C) 53 D) 111 E) 652

13. 3 , 9 , 27 , 81 , ?

A) 99 B) 108 C) 150 D) 210 E) 243

14. 100 , 20 , 80 , 16 , x

A) 15 B) 14 C) 13 D) 48 E) 64

15. ? , 4 , 11 , 8 , 15 , 12 , 19 , 16 , 23

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

16. 15 , 14 , 19 , 17 , 22 , 19 , 24 , ?

A) 17 B) 18 C) 19 D) 20 E) 21

YANITLAR / ANSWERS

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

1. 22 , 24 , 28 , 34 , 42 , 52 , ?

A) 60 B) 62 C) 64 D) 66 E) 68

2. 2 , 9 , 19 , 32 , 48 , 67 , ?

A) 79 B) 83 C) 89 D) 91 E) 97

3. 7 , 15 , 31 , 63 , 127 , ?

A) 235 B) 245 C) 255 D) 275 E) 285

4.

1	4	7	10	13	...	x
1.	2.	3.	4.	5.	...	70.

x=?

A) 172 B) 195 C) 208 D) 239 E) 301

5. 1 , 2 , 5 , 14 , 41 , ?

A) 77 B) 80 C) 92 D) 120 E) 122

6. 1 , 5 , 19 , 65 , 211 , ?

A) 498 B) 573 C) 587 D) 665 E) 695

7. 3 , 13 , 63 , 313 , ?

A) 1560 B) 1561 C) 1563
D) 1564 E) 1565

8. 3 , 6 , 12 , 15 , 21 , 24 , ? , 33 , 39

A) 26 B) 27 C) 28 D) 30 E) 32

9. 2, 6, 7, 21, 22, X, Y

X+Y=?

A) 47 B) 88 C) 105 D) 132 E) 133

10. 1, 4, 12, 32, 80, ?

A) 120 B) 144 C) 164 D) 180 E) 192

11. 2, 9, 30, 93, 282, ?

A) 696 B) 758 C) 832 D) 849 E) 924

12. 2, 4, 7, 14, 17, ?

A) 24 B) 32 C) 28 D) 34 E) 26

13. 3, 23, 7, 79, 11, 247, Y, X

X=? , Y=?

A) 79, 7 B) 143, 8 C) 751, 15
D) 171, 3 E) 54, 9

14. 10, 7, 9, 6, 8, ?

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

15. 2, 8, 32, 128, 512, ?

A) 1024 B) 2048 C) 3072
D) 5120 E) 6144

16. 12, 11, 9, 6, 2, ?

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

YANITLAR / ANSWERS

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

1. 7, 18, 51, 150, 447, ?

- A) 894 B) 1212 C) 1300
D) 1320 E) 1338

2. 73, 72, 69, 64, 57, 48, 37, ?

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

3. 23, 40, 57, 74, 91, ?

- A) 104 B) 105 C) 106 D) 107 E) 108

4. 13, 16.5, 20, 23.5, 27, ?

- A) 30.5 B) 30 C) 29.5 D) 29 E) 28

5. 10, 9.75, 9.25, 8.5, 7.5, 6.25, ?

- A) 4 B) 4.25 C) 4.5 D) 4.75 E) 5

6. 458330, 677, 26, 5, ?

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

7. 51, 7, 52, 35, 53, 175, 54, ?

- A) 55 B) 350 C) 514 D) 525 E) 875

8. 4, 12, 36, 108, ?

- A) 212 B) 224 C) 324 D) 412 E) 424

9. 1, 1, 2, 3, 5, 8, m, n

$$m+n=?$$

A) 14 B) 24 C) 34 D) 44 E) 55

10. 5, 12, 26, 54, 110, ?

A) 2 B) 22 C) 222 D) 2222 E) 5

11. $(a_n)=(5, 10, 15, 20, \dots)$

$$(a_{105})=?$$

A) 315 B) 325 C) 415 D) 425 E) 525

12. I. 123456789 $\rightarrow$ 15
 II. 12345678 $\rightarrow$ 12
 III. 246 $\rightarrow$ 4
 IV. 369 $\rightarrow$?

A) 6 B) 7 C) 9 D) 11 E) 12

13. 3, 101, 5, 94, 7, 87, x, y

$$x+y=?$$

A) 83 B) 89 C) 90 D) 97 E) 101

14. 2, 3, 4, 9, 8, 27, 16, 81, k, m

$$|k-m|=?$$

A) 73 B) 117 C) 194 D) 211 E) 273

15. $(a_n)=(1, 4, 7, 10, \dots)$

$$(a_{77})=?$$

A) 227 B) 228 C) 229 D) 230 E) 231

16. 3, 6, 4, 12, 9, 36, 32, 160, ?

A) 144 B) 155 C) 166 D) 172 E) 180

YANITLAR / ANSWERS

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

Sayı Dizileri / Number Sequence

Test – 9

1. I. 5, 10, 12, 24, 26
II. 7, 21, 18, 54, 51
III. 6, 24, 20, 80, 76
IV. ?, ?, ?, ?, ?

- A) 3, 5, 7, 9, 12
B) 6, 8, 14, 16, 18
C) 3, 10, 13, 39, 42
D) 6, 12, 15, 30, 37
E) 3, 15, 18, 90, 93

2. 5, ?, 24, 72, 81, 243, 252

- A) 10 B) 15 C) 20 D) 22 E) 24

3. 4, 20, 84, 340, ?

- A) 1360 B) 1362 C) 1364
D) 1368 E) 1370

4. 5, 6, 8, 11, ?, 20, 26, 33

- A) 13 B) 14 C) 15 D) 17 E) 19

5. ve 6. soruları aşağıdaki bilgilere göre cevaplayınız.

Answer questions 5. and 6. in accordance with given below.

$$A, K \in \mathbb{Z}^+$$

Örnek/Example: $A=2, K=3$

$$2 \xrightarrow{+3} 5 \xrightarrow{+3} 8 \xrightarrow{\times 3} 24 \xrightarrow{+3} 27 \xrightarrow{+3} 30$$

$$2 \xrightarrow{\times 3} 6 \xrightarrow{+3} 9 \xrightarrow{+3} 12 \xrightarrow{\times 3} 36 \xrightarrow{+3} 39$$

$$2 \xrightarrow{\times 3} 6 \xrightarrow{\times 3} 18 \xrightarrow{+3} 21 \xrightarrow{+3} 24 \xrightarrow{\times 3} 72$$

$$5. \quad A \xrightarrow{+K} 8 \xrightarrow{\times K} C \xrightarrow{+K} 45 \xrightarrow{+K} E \xrightarrow{+K} 55$$

$$\Rightarrow A=?$$

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

$$6. \quad 7 \xrightarrow{\times K} B \xrightarrow{+K} C \xrightarrow{+K} D \xrightarrow{+K} E \xrightarrow{\times K} 640$$

$$\Rightarrow K=?$$

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

7. 7, 9, 13, 19, 27, 36, ?

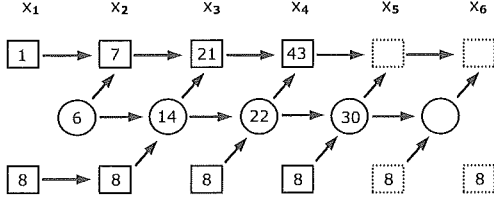
- A) 34 B) 36 C) 38 D) 46 E) 48

Sayı Dizileri / Number Sequence

Test – 9

8. ve 9. Soruları aşağıdaki tabloya göre cevaplayınız.

Answer questions 8. and 9. in accordance with the table given below.



8. $x_6 = ?$

- A) 86 B) 111 C) 123 D) 144 E) 175

9. $x_k = 211 \Rightarrow k = ?$

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

10. 0, -3, 2, -1, 4, 1, ?

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

11. ve 12. soruları aşağıdaki bilgilere göre cevaplayınız.

Answer questions 11. and 12. in accordance with given below.

$$m_1, m_2, m_3, m_4, m_5 \in \mathbb{Z}^+$$

$$(\square, \square, \square, \square, \square)$$

$$m_1 \quad m_2 \quad m_3 \quad m_4 \quad m_5$$

$$t \in \mathbb{Z}, \quad t > 1$$

$$m_2 = t.m_1$$

$$m_3 = t.m_2$$

$$m_4 = t.m_3$$

$$m_5 = t.m_4$$

11. $m_1 = 3 \Rightarrow \text{Min}\{m_4\} = ?$

- A) 34 B) 28 C) 24 D) 14 E) 6

12. $m_2 = 4 \Rightarrow \text{Min}\{m_5\} = ?$

- A) 28 B) 30 C) 32 D) 34 E) 36

13. 1, 2, 3, 5, 8, 9, 25, 32, ?

- A) 26 B) 27 C) 30 D) 34 E) 42

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

SAYILAR

BÖLÜM / CHAPTER

4

NUMBERS

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

Sayılar / Numbers

Test – 1

1.

$$\begin{array}{r} KMNY \\ YLMN \\ NKLM \\ MYKL \\ + LNYK \\ \hline (X) \end{array}$$

$$K+L+M+N+Y=33 \Rightarrow X=?$$

- A) 36663 B) 36666 C) 36636
D) 36333 E) 66333

2. ve 3. soruları aşağıdaki çarpma işlemine göre cevaplayınız.

$$K \neq L \neq S \neq T \neq 4$$

$$\begin{array}{r} K L S T \\ \times \quad 4 \\ \hline T S L K \end{array}$$

2. K=?

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

3. S=?

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

4.

$$\begin{array}{r} KL \\ \times KL \\ \hline \cdot \cdot \cdot \\ + \cdot \cdot \cdot \\ \hline MKL \end{array} \Rightarrow M+K+L=?$$

- A) 7 B) 9 C) 11 D) 13 E) 15

5.

$$\begin{array}{r} KL \\ \times MK \\ \hline L \cdot \\ + KL \\ \hline K \cdot 8 \end{array} \Rightarrow K=?$$

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

6.

$$\begin{array}{r} ABC \\ + CBA \\ \hline K554 \end{array} \Rightarrow B=?$$

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

Sayılar / Numbers

Test – 1

7. $K \neq L \neq 0$

$$\begin{array}{r} K K L \quad | \quad L \\ - \quad \cdot \cdot \cdot \quad 67 \\ \hline \cdot L \\ - \quad \cdot \cdot \cdot \\ \hline 0 \end{array} \Rightarrow K=?$$

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

8. $M \neq N \neq 0$

$$\begin{array}{r} M N \\ \times M N \\ \hline \cdot \cdot M \\ + 3 \cdot N \\ \hline N \cdot \cdot M \end{array} \Rightarrow M=?$$

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

9. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K L M \\ - M L K \\ \hline 5 9 4 \end{array} \quad \begin{array}{r} K L M \\ + M L K \\ \hline L 8 8 \end{array} \Rightarrow M=?$$

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

10. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K L M \\ - L M K \\ \hline 5 5 K \end{array} \Rightarrow L+K=?$$

- A) 6 B) 8 C) 10 D) 12 E) 14

11. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K L \\ L M \\ + M K \\ \hline 1 4 3 \end{array} \quad K < L < M \Rightarrow M=?$$

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

12. $K \neq L \neq M \neq N \neq 0$

$$\begin{array}{r} M N \\ \times M N \\ \hline M N \\ + N \cdot M \\ \hline N K L N \end{array} \Rightarrow M=?$$

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

YANITLAR / ANSWERS

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

Sayılar / Numbers

Test – 2

1. $K \neq L \neq M$

$$\begin{array}{r} KLM \\ - MLK \\ \hline 495 \end{array}$$

- A) $M-L=3$ B) $L-M=2$ C) $M+K=1$
D) $K-L=4$ E) $K-M=5$

2. $K \neq L \neq M$

$$\begin{array}{r} KL \\ LM \\ + MK \\ \hline 1K2 \end{array} \Rightarrow K=?$$

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

3. $L \neq M \neq N$

$$\begin{array}{r} LMN \\ + LMN \\ \hline 1N14 \end{array} \Rightarrow L=?$$

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

4. $K \neq L \neq M$

$$\begin{array}{r} KKL \\ \times M \\ \hline M8L \end{array} \Rightarrow L=?$$

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

5. $K \neq L \neq M$

$$\begin{array}{r} KK \\ \times KK \\ \hline \bullet K \bullet \\ + \bullet K \bullet \\ \hline KLOM \end{array} \Rightarrow K+L+M=?$$

- A) 12 B) 16 C) 18 D) 19 E) 22

6. $K \neq L \neq N$

$$(KL).(KL).(KL)=(2KN7) \Rightarrow K+L=?$$

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

Sayılar / Numbers

Test – 2

7. $K \neq L \neq M \neq N \neq R$

$$\begin{array}{r} K L \\ + M \\ \hline R N R \end{array} \Rightarrow N=?$$

- A) 8 B) 6 C) 4 D) 2 E) 0

8. $K \neq L \neq M$

$$\begin{array}{r} M L K \\ L K M \\ + K M L \\ \hline 2664 \end{array} \Rightarrow M.L.K=?$$

- A) 368 B) 415 C) 478
D) 504 E) 538

9. $D \neq E \neq F \neq H \neq M \neq N$

$$\begin{array}{r} M M M M \\ M M M N \\ M M N N \\ M N N N \\ + N N N N \\ \hline D E F H \end{array} \quad N < M \Rightarrow D+E+F+H=?$$

- A) 28 B) 29 C) 30 D) 32 E) 36

10. $L \neq M \neq N$

$$\begin{array}{r} M L \\ \times L M \\ \hline . . \\ + M L \\ \hline M N M \end{array} \Rightarrow N=?$$

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

11. $L \neq M \neq N$

$$\begin{array}{r} 1 N L \\ \times M \\ \hline 8 M L \end{array} \quad \begin{array}{r} N \\ + L \\ \hline M \end{array} \Rightarrow N=?$$

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

12. $M \neq N \neq L \neq P \neq R$

$$\text{Min}\{M, N, L, P, R\}=0$$

$$\text{Max}\{M, N, L, P, R\}=8$$

$$\begin{array}{r} M O N \\ - L P 8 \\ \hline R 7 6 \end{array} \Rightarrow M=?$$

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

YANITLAR / ANSWERS

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

Sayılar / Numbers

Test – 3

1. ve 2. soruları aşağıdaki bilgilere göre cevaplayınız.

Answer the questions 1. and 2. in accordance with given below.

$$A \neq B \neq C \neq D \neq 0$$

ve çift sayılar/and even numbers

$$\begin{array}{r} 9AB5 \\ - 71C \\ \hline C9D7 \end{array}$$

1. $A+C=?$

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

2. $B+D=?$

A) 16 B) 14 C) 12 D) 8 E) 6

3. - 5. soruları aşağıdaki bilgilere göre cevaplayınız.

Answer the questions 3. and 5. in accordance with given below.

$$K \neq L \neq M \neq 0, K > L > M$$

$$\begin{array}{r} KLM \\ LMK \\ + MKL \\ \hline 1443 \end{array}$$

3. $\text{Max}\{K+M\}=?$

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

4. $K \neq ?$

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

5. $\text{Min}\{L\}=?$

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

6. $K \neq L \neq 0$

$$\begin{array}{r} KL \\ - LK \\ \hline 63 \end{array} \Rightarrow K+L=?$$

A) 11 B) 12 C) 13 D) 14 E) 15

Sayılar / Numbers

Test – 3

7. $M \neq 0$

$$\begin{array}{r} 6 \cdot 9 \\ \times \quad \cdot \\ \hline M \cdot 9 \ 6 \end{array} \Rightarrow M=?$$

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

8. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K \ L \\ \times K \ L \\ \hline \cdot \cdot \cdot \\ + \cdot \cdot \\ \hline M \ K \ L \end{array} \Rightarrow M+K=?$$

- A) 7 B) 8 C) 10 D) 13 E) 15

9. $K \neq L \neq M \neq P \neq R \neq 0$

$$\begin{array}{r} K \ L \ M \\ + M \ L \ K \\ \hline P \ R \ 1 \ L \end{array} \Rightarrow P=?$$

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

10. $N \neq L \neq M \neq 0$

$$\begin{array}{r} M \ L \ N \\ - L \ M \ N \\ \hline 9 \ 0 \end{array} \quad \begin{array}{r} M \ L \ N \\ - N \ L \ M \\ \hline 2 \ 9 \ 7 \end{array} \Rightarrow M \ L \ N=?$$

- A) 542 B) 265 C) 326
D) 345 E) 467

11. $A \neq B \neq C$

$$\begin{array}{r} 8 \ A \ B \\ - 4 \ 2 \ A \\ \hline A \ C \ 4 \end{array} \Rightarrow C=?$$

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

12.

$$\begin{array}{r} K \\ + K \\ \hline M \ L \end{array} \quad \begin{array}{r} K \\ \times K \\ \hline L \ M \end{array} \Rightarrow K+L+M=?$$

- A) 9 B) 12 C) 15 D) 18 E) 21

YANITLAR / ANSWERS

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

Sayılar / Numbers

Test – 4

1. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K \\ \times K \\ \hline L M \end{array} \quad \begin{array}{r} K \\ \times L \\ \hline M K \end{array} \Rightarrow K+L+M=?$$

- A) 12 B) 14 C) 16 D) 18 E) 20

2. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K \cdot L \\ \times M \cdot \\ \hline \cdot M M \cdot \\ + K \cdot L \\ \hline 1 2 3 4 5 \end{array} \Rightarrow K=?$$

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

3.

$$\begin{array}{r} \cdot \cdot \cdot \\ \times 25 \\ \hline \cdot \cdot \cdot \cdot \\ + 902 \\ \hline ? \end{array}$$

- A) 22575 B) 22550 C) 22525
D) 11575 E) 11275

4.

$$\begin{array}{r} L \\ \times M \\ \hline 5 \cdot \end{array} \quad \begin{array}{r} KL \\ \times M \\ \hline 33 \cdot \end{array} \quad \begin{array}{r} K \\ \times M \\ \hline ? \end{array}$$

- A) 21 B) 24 C) 28 D) 30 E) 35

5.

$$\begin{array}{r} K \\ + L \\ \hline MN \end{array} \quad \begin{array}{r} M \\ + N \\ \hline K \end{array} \Rightarrow L=?$$

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

6.

$$\begin{array}{r} KL \\ \times K \\ \hline 18K \end{array} \Rightarrow L=?$$

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

7.

$$\begin{array}{r} KL \\ + LK \\ \hline 16M \end{array} \Rightarrow M=?$$

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

8.

$$\begin{array}{r} KLM \\ LM \\ + M \\ \hline MMM \end{array} \Rightarrow K+L+M=?$$

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

9.

$$\begin{array}{r} KLM \\ - MLK \\ \hline 2LK \end{array} \Rightarrow K+M=?$$

- A) 7 B) 9 C) 11 D) 13 E) 15

10.

$$\begin{array}{r} K \\ - L \\ \hline 3 \end{array} \quad \begin{array}{r} K \\ - M \\ \hline 2 \end{array} \quad \begin{array}{r} K L K \\ - M K M \\ \hline ? \end{array}$$

- A) 132 B) 172 C) 232
D) 252 E) 272

11.

$$\begin{array}{r} KKK \\ LLL \\ + 3MM \\ \hline 2242 \end{array} \Rightarrow K+L=?$$

- A) 9 B) 11 C) 13 D) 15 E) 17

12.

$$\begin{array}{r} KL \\ \times M3 \\ \hline 1LM \\ + L5L \\ \hline LMKM \end{array} \Rightarrow K=?$$

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

YANITLAR / ANSWERS

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

Sayılar / Numbers

Test – 5

1. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K L M \\ K L M \\ + K L M \\ \hline 2 2 6 \cdot \end{array} \Rightarrow L=?$$

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

2. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K L \\ \times L \\ \hline 5 6 \end{array} \Rightarrow K+L=?$$

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

3. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K M \\ M L \\ + L K \\ \hline 2 3 1 \end{array} \quad \begin{array}{r} K \\ + L \\ \hline 1 4 \end{array} \Rightarrow M=?$$

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

4. $K \neq L \neq 0$

$$\begin{array}{r} K L K \\ \times L K \\ \hline 3 8 \cdot \cdot \\ + \cdot \cdot \cdot \cdot \\ \hline 2 9 7 1 K \end{array} \Rightarrow K+L=?$$

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

5.

$$\begin{array}{r} \cdot \cdot \cdot \\ \times 7 2 \\ \hline \cdot \cdot \cdot \\ + 8 6 1 \\ \hline ? \end{array}$$

- A) 9576 B) 9436 C) 9284
D) 8928 E) 8856

6.

$$\begin{array}{r} K L \\ + M M \\ \hline L 3 8 \end{array} \Rightarrow K=?$$

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

7.

$$\begin{array}{r} K \ L \\ \times \ M \\ \hline 1 \ K \ 1 \end{array} \Rightarrow K=?$$

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

8.

$$\begin{array}{r} 2 \ K \\ \times \ L \ M \\ \hline \bullet \ 2 \\ + \ 2 \ K \\ \hline M \ L \ 2 \end{array} \Rightarrow K=?$$

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

9.

$$\begin{array}{r} K \\ \times \ K \\ \hline L \ K \end{array} \quad \frac{L}{K} = \frac{1}{2} \Rightarrow K+L=?$$

- A) 7 B) 9 C) 11 D) 13 E) 15

10. – 12. soruları aşağıdaki bilgilere göre cevaplayınız.

Answer the questions 10. – 12. in accordance with given below.

$$K \neq L \neq M$$

$$\begin{array}{r} \bullet \bullet \bullet \bullet \ M \ 2 \\ - \bullet \ L \ \bullet \ 4 \\ \hline 0 \bullet \bullet \bullet \bullet \\ - \ 2 \ 1 \ 0 \ 6 \\ \hline 0 \bullet \bullet \bullet \bullet \\ - \ \bullet \ K \ \bullet \ 2 \\ \hline 0 \ 0 \ 0 \ 0 \end{array}$$

10. L=?

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

11. K=?

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

12. M=?

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

YANITLAR / ANSWERS

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

Sayılar / Numbers

Test – 6

1.

$$\begin{array}{r} \text{K L L} \\ \times \quad 7 \\ \hline \text{M 1 1 6} \end{array} \Rightarrow M=?$$

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

2.

$$\begin{array}{r} 6 \text{ K L} \\ + \text{ L K} \\ \hline 7 \text{ K 1} \end{array} \Rightarrow L=?$$

- A) 2 B) 3 C) 5 D) 8 E) 9

3.

$$\begin{array}{r} \text{K L} \\ - \text{ L K} \\ \hline 3 \text{ K} \end{array} \Rightarrow K+L=?$$

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

4.

$$\begin{array}{r} \text{K L} \\ \times \text{ L K} \\ \hline \text{K L} \\ + 7 \text{ L} \\ \hline 7 \text{ 6 L} \end{array} \Rightarrow L=?$$

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

5. $K \neq L \neq M$, $K+L+M=12$, $2.K+L=19$

$$\begin{array}{r} \text{K L M} \\ \text{K K K} \\ + \text{ L K L} \\ \hline ? \end{array}$$

- A) 1219 B) 1912 C) 2012
D) 2019 E) 2102

6.

$$\begin{array}{r} \text{K L K} \\ + \text{ L M L} \\ \hline 5 \text{ K 5} \end{array} \Rightarrow \text{Max } \{ M \}=?$$

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

Sayılar / Numbers

Test – 6

7. $K \neq L \neq M \neq N \neq 0$, $K > L$

$$\begin{array}{r} K K K \\ + L L L \\ \hline M N N M \end{array}$$

L'nin alabileceği değerler toplamı kaçtır?
The sum of the values of L order is it?

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

8. $K \neq L \neq M \neq N \neq 0$

$$\begin{array}{r} K L \\ + M N \\ \hline 4 4 \end{array}$$

Kaç farklı (KL) sayısı vardır?
There are many different (KL) number?

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

9. ve 10. soruları aşağıdaki bilgilere göre cevaplayınız.

Answer the questions 9. and 10. in accordance with given below.

$K \neq L \neq M \neq N \neq 0$

$$\begin{array}{r} K L M \\ + M L K \\ \hline N N N \end{array}$$

9. $N = ?$

A) 2 B) 3 C) 5 D) 6 E) 7

10. $K \neq ?$

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

11. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K L \\ + L M \\ \hline 1 6 7 \end{array}$$

K'nin alabileceği değerlerin toplamı kaçtır?
The sum of the values of K order is it?

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

12. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K L \\ + L K \\ \hline 1 M 1 \end{array}$$

$\Rightarrow K.L \neq ?$

A) 18 B) 24 C) 28 D) 30 E) 66

YANITLAR / ANSWERS

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

Sayılar / Numbers

Test – 7

1.

$$\begin{array}{r}
 123 \\
 \times \bullet \bullet \bullet \\
 \hline
 \bullet \bullet \bullet \\
 \bullet \bullet \bullet \\
 \bullet \bullet \bullet \\
 + \bullet \bullet \bullet \\
 \hline
 39483
 \end{array}$$

- A) 343 B) 321 C) 243
D) 213 E) 111

2.

$$\begin{array}{r} K \neq L \neq M \neq 0 \\ + \quad L \\ \hline 9 \end{array} \qquad \begin{array}{r} L \\ - \quad 2 \\ \hline M \end{array}$$

$$\Rightarrow \text{Max}\{M\} = ?$$

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

3.

$$K \neq L \neq M \neq 0$$

$$\begin{array}{r} \text{K L M} \\ + \text{M L K} \\ \hline 666 \end{array}$$

$$\Rightarrow K \neq ?$$

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

4.

$$K \neq L \neq M \neq 0$$

$$\begin{array}{r} \text{K L M} \\ \text{L M K} \\ + \text{M K L} \\ \hline 999 \end{array}$$

$$\Rightarrow \text{Min}\{ K, L, M \} = ?$$

- A) 24 B) 21 C) 18 D) 15 E) 12

5.

$$K \neq L \neq 0$$

$$\begin{array}{r} \text{K K K} \\ \times \quad \text{L L} \\ \hline (\text{ A }) \end{array}$$

$$\Rightarrow \text{Min}\{A\}=?$$

- A) 242 B) 244 C) 2424
D) 2442 E) 4224

6. $1 < K$, $K = L - 1$, $\frac{(LLK)}{K} \in \mathbb{Z}$

Kaç tane (LLK) sayısı vardır?
(LLK) number of how many are there?

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

7. $K \neq L \neq M \neq N \neq P$

$$\begin{array}{r} K L M \\ + M L K \\ \hline N P N \end{array}$$

$\Rightarrow L \neq ?$

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

8. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K L \\ \times M M \\ \hline (A) \end{array}$$

$\Rightarrow \text{Min}\{ A \} = ?$

- A) 132 B) 220 C) 253
D) 286 E) 396

9. $K \neq L \neq 0$

$$\begin{array}{r} K L L \\ + L K K \\ \hline 1 2 2 1 \end{array}$$

$\Rightarrow \text{Max}\{ K.L \} = ?$

- A) 18 B) 24 C) 28 D) 30 E) 36

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

$D=0 \Rightarrow C=?$

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

11. $K \neq L \neq M$

$$\begin{array}{r} K \\ - L \\ \hline M \end{array}$$

$\Rightarrow \text{Max}\{ (KLM) \} = ?$

- A) 862 B) 897 C) 978
D) 981 E) 987

12. $K \neq L \neq M$, $K-L=3$, $M-K=4$

$$\begin{array}{r} M L \\ - K K \\ \hline ? \end{array}$$

- A) 27 B) 36 C) 37 D) 46 E) 47

YANITLAR / ANSWERS

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

Sayılar / Numbers

Test – 8

1. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K L M \\ M K L \\ + L M K \\ \hline (A) \end{array}$$

$\Rightarrow \text{Min}\{ A \} = ?$

- A) 222 B) 333 C) 444
D) 555 E) 666

2. K, L, M sırasıyla üç ardışık sayıdır.
K, L, M are respectively three consecutive numbers.

$$\begin{array}{r} M K K \\ \times L \\ \hline 1 \cdot \cdot 6 \end{array} \Rightarrow M = ?$$

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

3.

$$\begin{array}{r} 87 \overline{) M} \\ - \cdot \cdot \\ \hline \cdot \cdot \\ - \cdot \cdot \\ \hline L \end{array} \Rightarrow \frac{M}{L} = ?$$

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

4. $K \neq L \neq M \neq 0$

$$\begin{array}{r} L \quad K \\ + 2 \quad - 5 \\ \hline K \quad M \end{array}$$

$\Rightarrow \text{Min}\{ L \} = ?$

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

5. $K \neq L \neq M \neq N$ asal sayılar/prime numbers,

$$\begin{array}{r} K L \\ \times M \\ \hline N L \end{array} \Rightarrow N = ?$$

- A) 2 B) 3 C) 5 D) 7 E) 9

6.

$$\begin{array}{r} K K M \\ \times N \\ \hline 2 N 2 M \end{array} \Rightarrow K = ?$$

- A) 2 B) 3 C) 5 D) 7 E) 9

7.

$$\begin{array}{r}
 \text{K N K} \\
 \times \quad \text{N K} \\
 \hline
 \cdot \cdot \cdot \text{K} \\
 + \cdot \cdot \cdot \text{K} \\
 \hline
 1872\text{K}
 \end{array}
 \Rightarrow K+N=?$$

- A) 3 B) 5 C) 8 D) 11 E) 13

8.

$$\begin{array}{r}
 \text{K L M} \\
 \text{L V L} \\
 + \quad \text{Y Z} \\
 \hline
 \text{B T M A}
 \end{array}$$

$$V=2, M=4, L=5, K=7 \Rightarrow A=?$$

- A) 9 B) 8 C) 6 D) 3 E) 1

9.

$$\begin{array}{r}
 \text{K L M} \\
 + \text{N Y Z} \\
 \hline
 \text{A B C}
 \end{array}$$

$$K=7, L=2, M=9 \Rightarrow C=?$$

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

10. – 12. soruları aşağıdaki bilgilere göre cevaplayınız.

Answer the questions 10. – 12. in accordance with given below.

$$A \neq B \neq C \neq D \neq E \neq F \in \{0,1,2,3,4,5\}$$

$$\begin{array}{r}
 \text{A B C} \\
 \text{D E F} \\
 + \text{D E C} \\
 \hline
 \text{C A B D}
 \end{array}$$

10. F=?

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

11. D=?

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

12. Aşağıdaki sıralamalardan hangisi doğrudur?
Which of the following is the correct order?

- A) $A < B < C$ B) $D < E < C$ C) $C < A < E$
D) $E < C < A$ E) $E < A < C$

YANITLAR / ANSWERS

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

Sayılar / Numbers

Test – 9

1. $L \neq M \neq 0$

$$\begin{array}{r} M5L \\ + LM \\ \hline 351 \end{array} \Rightarrow M=?$$

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

2. $L \neq M \neq N \neq 0$

$$\begin{array}{r} M2N \\ \times 8 \\ \hline 181L \end{array} \Rightarrow N=?$$

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

3. $K \neq L \neq M \neq 0$

$$\begin{array}{r} KK \\ \times KK \\ \hline LMK \\ + LMK \\ \hline 30LK \end{array} \Rightarrow M=?$$

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

4.

$$\begin{array}{r} KLM \\ + NML \\ \hline 1NN5 \end{array} \Rightarrow K=?$$

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

5.

$$\begin{array}{r} MM \\ \times LM \\ \hline KML \\ + MM \\ \hline LKKL \end{array} \Rightarrow LKKL=?$$

- A) 1221 B) 1441 C) 1881
D) 2662 E) 2882

6.

$$\begin{array}{r} KLM \\ + MKK \\ \hline 968 \end{array} \Rightarrow M=?$$

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

7.

$$K \neq L \neq M \neq 0$$

$$\begin{array}{r} K L \\ \times L \\ \hline M L \end{array} \quad \begin{array}{r} M \\ + L \\ \hline 12 \end{array} \Rightarrow M+K=?$$

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

8.

$$K \neq L \neq M \neq 0$$

$$\begin{array}{r} K \\ + L \\ \hline 12 \end{array} \quad \begin{array}{r} M \\ - K \\ \hline 3 \end{array} \Rightarrow M+L=?$$

- A) 14 B) 15 C) 17 D) 18 E) 19

9.

$$K \neq L \neq 0$$

$$\begin{array}{r} K \\ + L \\ \hline 13 \end{array} \quad \begin{array}{r} K L \\ - \bullet \bullet \\ \hline 9 \end{array} \quad \begin{array}{r} L K \\ \hline 1 \end{array} \Rightarrow K=?$$

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

10.

$$\begin{array}{r} L \\ \times N \\ \hline M \end{array} \quad \begin{array}{r} K L \\ - K N \\ \hline K \end{array} \quad \begin{array}{r} M \\ \hline N \end{array} \Rightarrow N=?$$

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

11.

$$K \neq L \neq M \neq N \neq 0$$

$$\begin{array}{r} K L M \\ - K L \\ \hline K 1 K \end{array}$$

$$K \neq 1 \Rightarrow M \neq ?$$

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

12.

$$K \neq L \neq M \neq N \neq 0$$

$$\begin{array}{r} K L \\ L M \\ + M K \\ \hline N N \end{array}$$

$$\Rightarrow \text{Min}\{N\}=?$$

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

YANITLAR / ANSWERS

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

Sayılar / Numbers

Test – 10

1. $K \neq L \neq M \neq 0$

$$\begin{array}{r} \text{K L} \\ + \text{L K} \\ \hline \text{M L M} \end{array} \Rightarrow \text{L} = ?$$

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

2. $K \neq L \neq M \neq 0$

$$\frac{K}{L} = \frac{1}{3} \quad , \quad L+M=5 \quad \Rightarrow \quad \frac{KLM}{KK} = ?$$

- A) 9 B) 12 C) 15 D) 18 E) 21

3. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K \\ + K \\ \hline L M \end{array} \quad \begin{array}{r} K L \\ \times M \\ \hline L M M \end{array} \Rightarrow K = ?$$

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

4. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K \\ + L \\ \hline 9 \end{array} \qquad \begin{array}{r} L \\ + M \\ \hline 7 \end{array}$$

$$\text{Max}\{L\} \Rightarrow K+M=?$$

- A) 10 B) 9 C) 7 D) 5 E) 4

5. $K \neq L \neq M$

$$\begin{array}{r} \text{K} \\ \times 4 \\ \hline \text{L} \end{array} \quad \begin{array}{r} \text{L} \\ \times 2 \\ \hline \text{M} \end{array} \Rightarrow (\text{KLM}) = ?$$

- A) 124 B) 148 C) 184
D) 248 E) 428

6.

$$\begin{array}{r|l} AB & 7 \\ \hline C & \end{array} \Rightarrow (AB)=?$$

- A) 14 B) 18 C) 22 D) 28 E) 32

7. $\frac{A0A - AA}{A} = ?$

- A) 9 B) 90 C) 99 D) 900 E) 990

8. $K \neq L \neq M \neq 0$

$$\begin{array}{r} K \\ \times L \\ \hline M K \end{array} \Rightarrow \text{Max}\{ (MLK) \} = ?$$

- A) 264 B) 375 C) 495
D) 587 E) 789

9. $K \neq L \neq 0$

$$\begin{array}{r} K L \\ - L 0 \\ \hline 2 L \end{array} \Rightarrow K + L \neq ?$$

- A) 3 B) 4 C) 6 D) 8 E) 12

10.

$$\begin{array}{r} K L \\ + M M \\ \hline L 3 8 \end{array} \Rightarrow K = ?$$

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

11.

$$\begin{array}{r} K L \\ L M \\ + M K \\ \hline 1 K 2 \end{array} \Rightarrow K = ?$$

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

12.

$$\begin{array}{r} A B C \\ C A B \\ + B C A \\ \hline 1 5 5 4 \end{array} \Rightarrow \text{Max}\{ (ABC) \} = ?$$

- A) 950 B) 941 C) 914
D) 905 E) 770

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

SAYI ŞEKİL İLİŞKİLERİ

BÖLÜM / CHAPTER

5

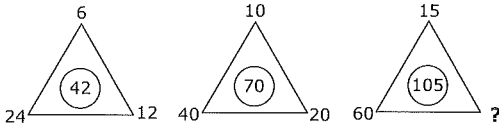
NUMBER AND FIGURE RELATIONS

1.

(I)	(II)	(III)	(IV)
53	64	228	321
9	11	13	?

- A) 6 B) 7 C) 8 D) 13 E) 15

2.



- A) 20 B) 30 C) 45 D) 35 E) 28

3.

4	6	8	?	12
9	13	17	?	25

- A)

10
14

 B)

9
18

 C)

10
21

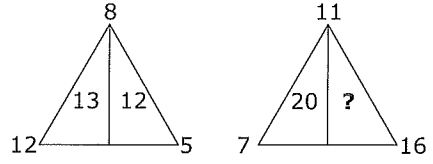
 D)

11
11

 E)

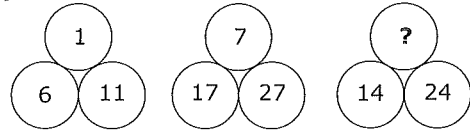
7
15

4.



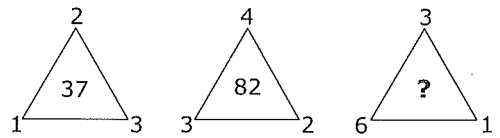
- A) 1 B) 8 C) 12 D) 14 E) 23

5.



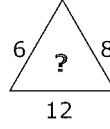
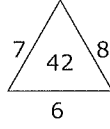
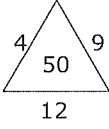
- A) 2 B) 3 C) 4 D) 7 E) 8

6.



- A) 98 B) 100 C) 101 D) 206 E) 304

7.



A) 26

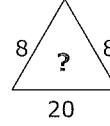
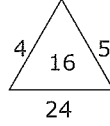
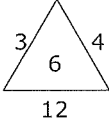
D) 58

B) 38

E) 64

C) 52

8.



A) 1

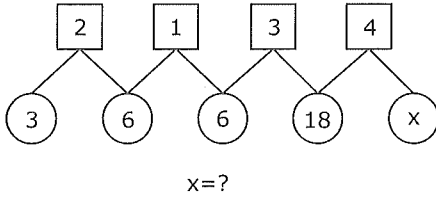
B) 5

C) 8

D) 9

E) 19

9.



A) 9

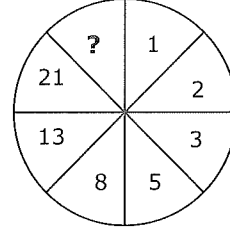
B) 22

C) 36

D) 50

E) 72

10.



A) 27

B) 34

C) 42

D) 49

E) 53

11.

?	48	
	24	8
36	12	

A) 36

B) 72

C) 108

D) 120

E) 144

12.

		12
?	24	
36		28

Satır, sütun ve köşegen üzerindeki sayılar toplamı eşittir.

A) 4

B) 8

C) 16

D) 32

E) 40

YANITLAR / ANSWERS

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

1.

- I.  +  =  + 
- II.  +  =  + 
- III.  +  +  =  + 
- IV.  +  +  = ?

- A)  + 
- B)  + 
- C)  + 
- D)  + 
- E)  + 

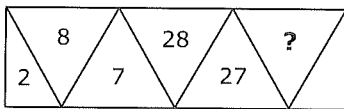
2.

$$\frac{\triangle}{\square} = 2 \quad \square + 2 = \triangle$$

Hangisi yanlıştır?

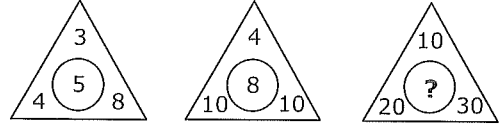
- A) $\square \cdot \triangle = 2 + \triangle$
- B) $\frac{\triangle}{\square + 2} = 1$
- C) $\triangle - 2 = \sqrt{\triangle}$
- D) $\square \cdot 2 = \triangle$
- E) $\square \cdot \square = \triangle$

3.



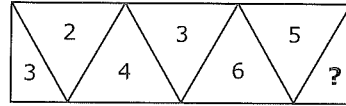
- A) 57 B) 108 C) 110 D) 120 E) 122

4.



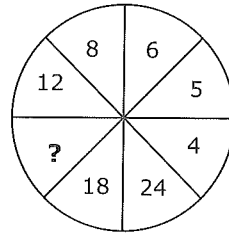
- A) 11 B) 18 C) 20 D) 24 E) 26

5.



- A) 7 B) 8 C) 10 D) 19 E) 25

6.



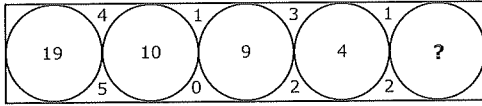
- A) 10 B) 1 C) 16 D) 15 E) 20

7.

4	8	6
9	17	?

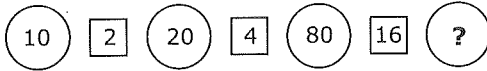
- A) 12 B) 13 C) 15 D) 16 E) 17

8.



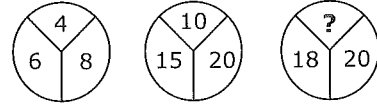
- A) 0 B) 1 C) 3 D) 5 E) 6

9.



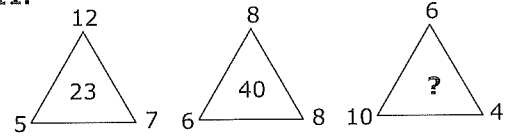
- A) 1600 B) 1280 C) 1720
D) 2080 E) 3400

10.



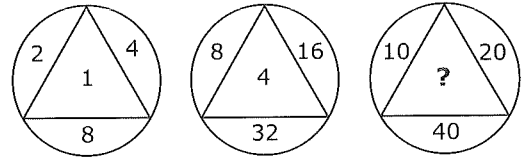
- A) 8 B) 12 C) 16 D) 17 E) 38

11.



- A) 57 B) 48 C) 41 D) 34 E) 29

12.

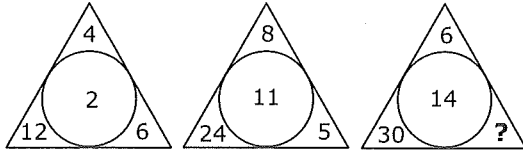


- A) 12 B) 10 C) 9 D) 8 E) 5

YANITLAR / ANSWERS

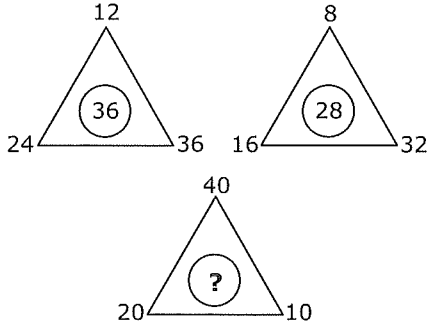
1.C	2.A	3.B	4.C	5.C	6.D
7.B	8.B	9.B	10.C	11.D	12.E

1.



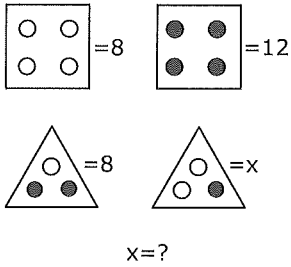
- A) 4 B) 8 C) 10 D) 19 E) 27

2.



- A) 12 B) 20 C) 30 D) 35 E) 42

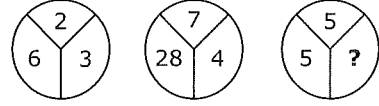
3.



x=?

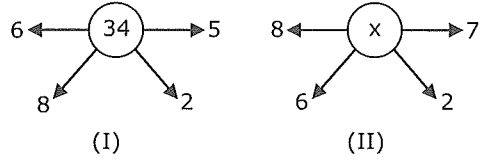
- A) 5 B) 7 C) 8 D) 9 E) 10

4.



- A) 1 B) 23 C) 30 D) 10 E) 25

5.



x=?

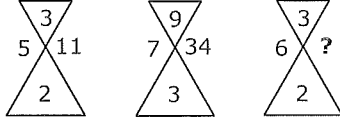
- A) 55 B) 56 C) 57 D) 58 E) 59

6.

821	11	2
576	18	9
384	15	?

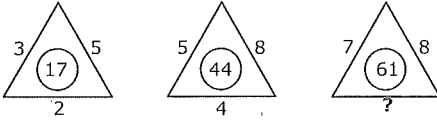
- A) 5 B) 6 C) 7 D) 8 E) 9

7.



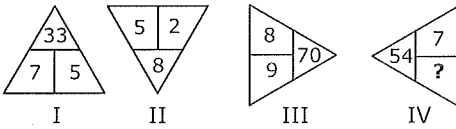
- A) 12 B) 15 C) 18 D) 9 E) 21

8.



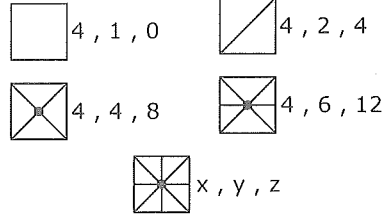
- A) 2 B) 3 C) 4 D) 5 E) 6

9.



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

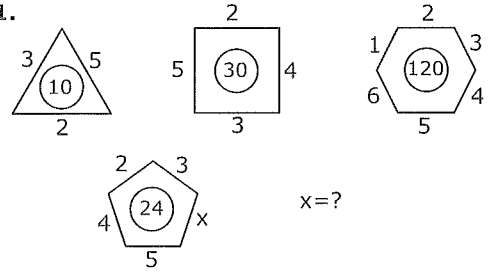
10.



$$x = ? , y = ? , z = ?$$

	x	y	z
A)	4	8	8
B)	4	8	16
C)	4	4	16
D)	4	8	4
E)	4	8	12

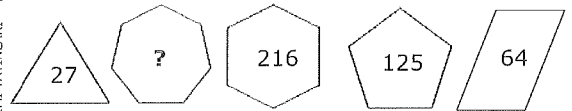
11.



$$x = ?$$

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

12.

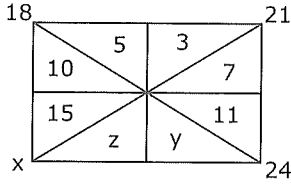


- A) 343 B) 294 C) 358
D) 432 E) 521

YANITLAR / ANSWERS

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

1.



$x=? , y=? , z=?$

- | | x | y | z |
|----|----|----|----|
| A) | 47 | 38 | 83 |
| B) | 15 | 27 | 30 |
| C) | 27 | 15 | 20 |
| D) | 25 | 50 | 42 |
| E) | 30 | 30 | 30 |

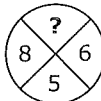
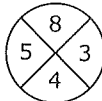
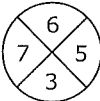
2.



$x-y=?$

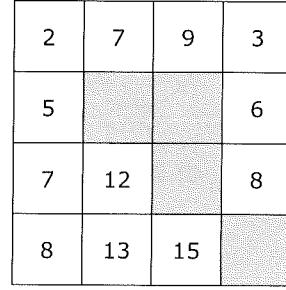
- A) 13 B) 15 C) 17 D) 18 E) 20

3.

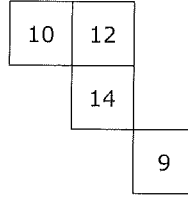


- A) 10 B) 9 C) 7 D) 3 E) 4

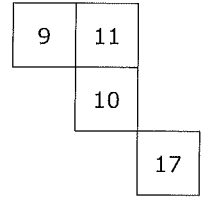
4.



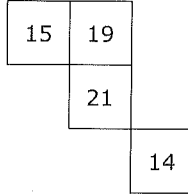
A)



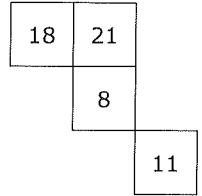
B)



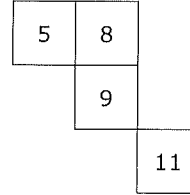
C)



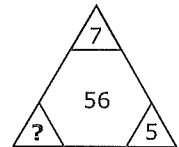
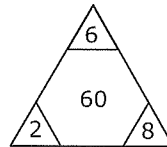
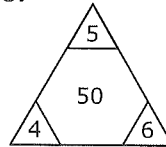
D)



E)

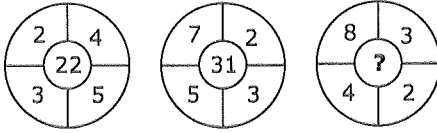


5.



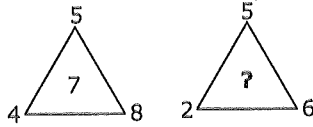
- A) 1 B) 2 C) 3 D) 4 E) 5

6.



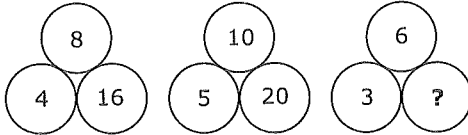
- A) 28 B) 32 C) 36 D) 41 E) 45

7.



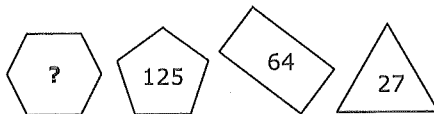
- A) 1 B) 3 C) 4 D) 6 E) 7

8.



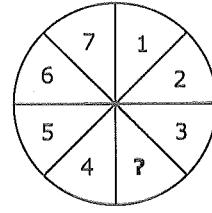
- A) 18 B) 12 C) 9 D) 3 E) 1

9.



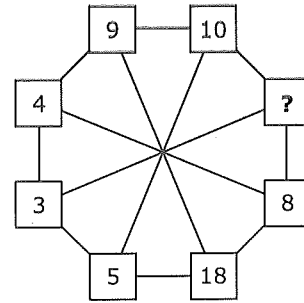
- A) 8 B) 243 C) 216 D) 564 E) 196

10.



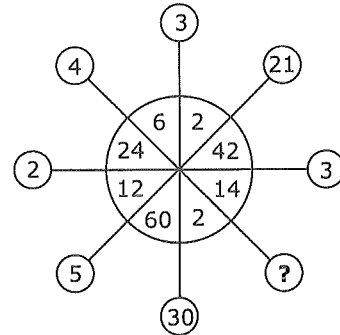
- A) 4 B) 5 C) 6 D) 7 E) 8

11.



- A) 6 B) 8 C) 9 D) 12 E) 15

12.

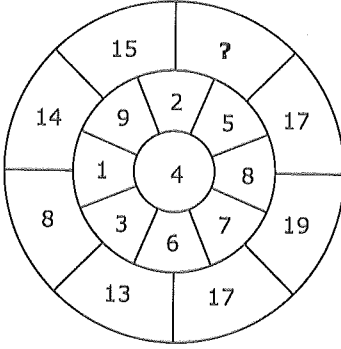


- A) 3 B) 4 C) 5 D) 7 E) 11

YANITLAR / ANSWERS

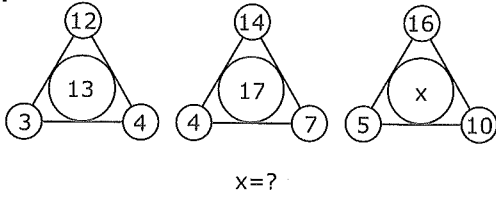
1.C	2.C	3.A	4.A	5.C	6.A
7.B	8.B	9.C	10.A	11.A	12.D

1.



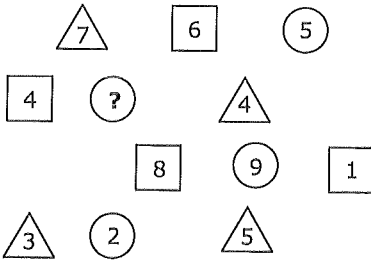
- A) 8 B) 10 C) 11 D) 16 E) 28

2.



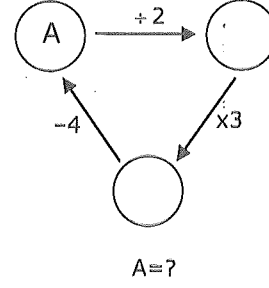
- A) 17 B) 18 C) 19 D) 20 E) 21

3.



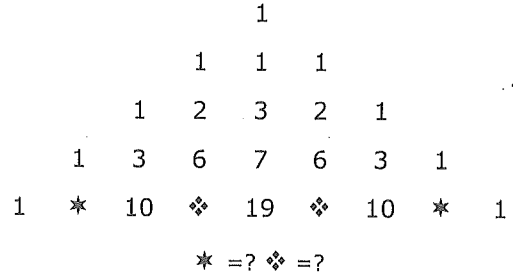
- A) 2 B) 3 C) 5 D) 7 E) 8

4.



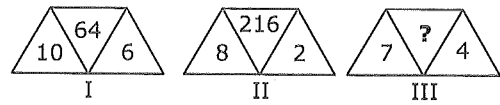
- A) 3 B) 4 C) 5 D) 7 E) 8

5.



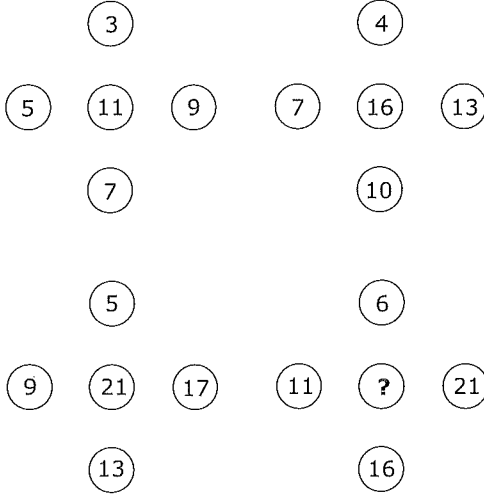
	*	♦
A)	2	12
B)	3	15
C)	4	16
D)	5	12
E)	6	14

6.



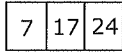
- A) 1 B) 7 C) 8 D) 16 E) 27

7.

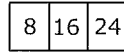


A) 22 B) 24 C) 26 D) 28 E) 30

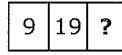
8.



I



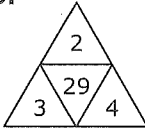
II



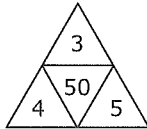
III

A) 28 B) 29 C) 30 D) 39 E) 43

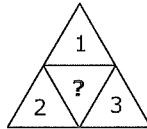
9.



I



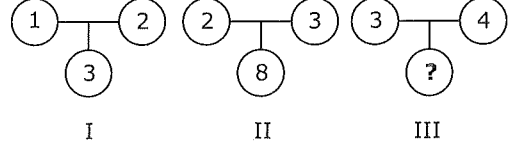
II



III

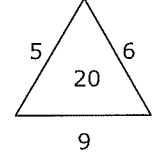
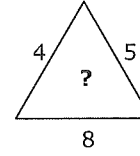
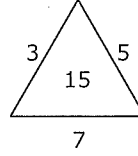
A) 9 B) 13 C) 14 D) 21 E) 27

10.



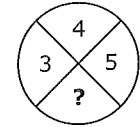
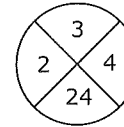
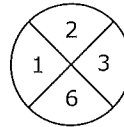
A) 5 B) 7 C) 15 D) 20 E) 27

11.



A) 11 B) 17 C) 23 D) 29 E) 33

12.

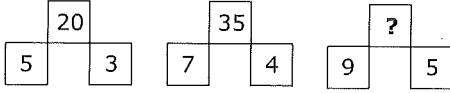


A) 12 B) 17 C) 36 D) 50 E) 60

YANITLAR / ANSWERS

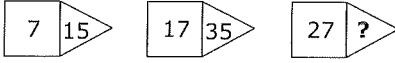
1.C	2.E	3.B	4.E	5.C	6.E
7.C	8.A	9.C	10.C	11.B	12.E

1.



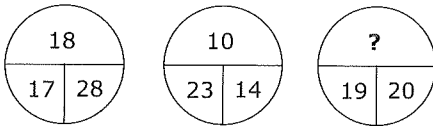
- A) 54 B) 36 C) 18 D) 9 E) 4

2.



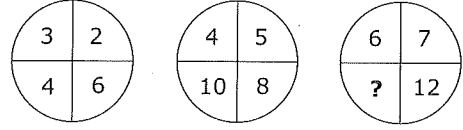
- A) 45 B) 55 C) 65 D) 75 E) 85

3.



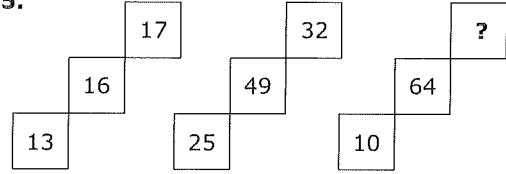
- A) 5 B) 7 C) 11 D) 12 E) 39

4.



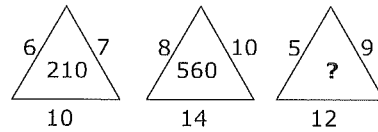
- A) 1 B) 8 C) 14 D) 21 E) 24

5.



- A) 12 B) 14 C) 16 D) 18 E) 20

6.



- A) 210 B) 240 C) 270 D) 300 E) 320

7.

2	6	2	8
8	2	6	8
2	2	6	6

A)

+	-	+	→
→	-	-	→
+	+	-	→

B)

+	-	+	→
→	+	-	→
→	+	+	→

C)

+	-	+	→
→	+	-	→
+	+	-	-

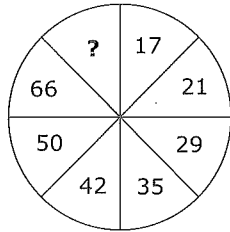
D)

+	→	+	-
-	+	←	-
+	+	→	←

E)

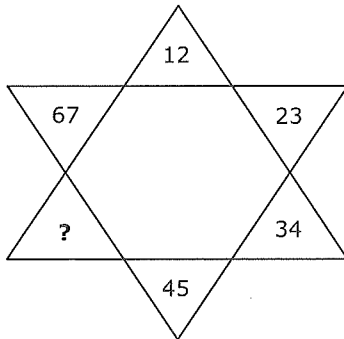
+	-	+	→
-	+	-	→
+	+	-	-

8.



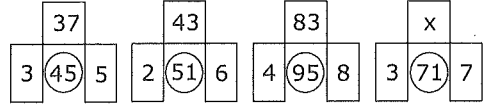
- A) 72 B) 74 C) 76 D) 78 E) 80

9.



- A) 49 B) 52 C) 54 D) 56 E) 64

10.

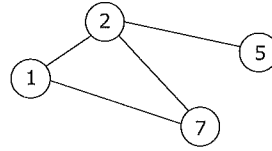


$$\Rightarrow x = ?$$

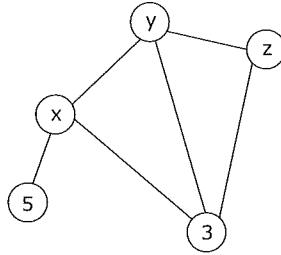
- A) 49 B) 52 C) 58 D) 61 E) 65

11. Kural: Herhangi bir daire için, dairedeki sayı, sağ tarafta verilen listede gösterildiği gibi daireye bağlı olan dairelerdeki sayıların toplamına eşittir. Kurala göre y'nin değeri nedir?

Rule: For any particular circle, the sum of the numbers in the circles connected to it equals the value corresponding to that circled number in the list. According to the rule, what is the value of y?



1 →	9 (=2+7)
2 →	13 (=1+5+7)
5 →	2
7 →	3 (=1+2)



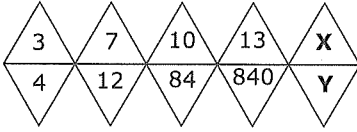
1 →	10
2 →	12
3 →	11
5 →	1
8 →	5

- A) 2 B) 4 C) 7 D) 8 E) 9

YANITLAR / ANSWERS

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

1.



- | | X | Y |
|----|----|-------|
| A) | 4 | 5460 |
| B) | 16 | 10920 |
| C) | 32 | 21840 |
| D) | 64 | 5460 |
| E) | 4 | 10920 |

2.

5	2	3	10
6	4	1	11
1	9	?	12
12	?	6	?

- A)

16	4	29
----	---	----
- B)

15	2	33
----	---	----
- C)

14	7	35
----	---	----
- D)

17	3	31
----	---	----
- E)

18	5	37
----	---	----

3.

3	9	1	2	8	3
9	?	?	2	1	9
1	?	?	3	9	1
2	1	9	3	8	2
8	3	9	1	2	8
3	8	2	1	9	3

A)

8	3
8	2

B)

3	8
2	8

C)

8	2
8	3

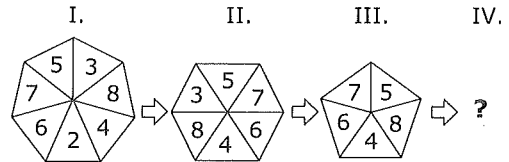
D)

2	8
3	8

E)

8	8
3	2

4.



A)

5	7
6	8

B)

7	6
5	8

C)

5	6
7	8

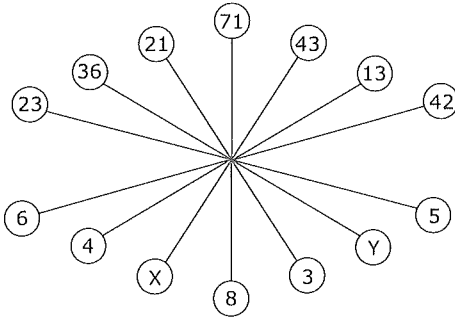
D)

7	5
6	8

E)

7	8
6	5

5.



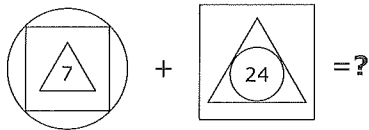
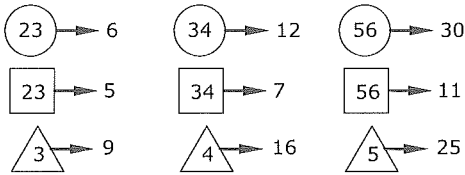
	X	Y
A)	7	9
B)	2	5
C)	1	6
D)	8	2
E)	4	1

6.

7	10	9	6
5	1	3	7
2	3	2	1
4	12	8	?

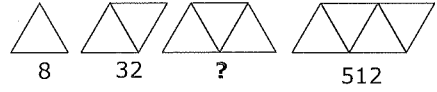
- A) 0 B) 2 C) 5 D) 9 E) 11

7.



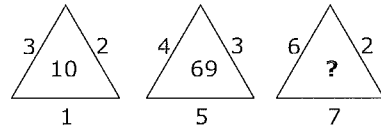
- A) 19 B) 17 C) 15 D) 13 E) 12

8.



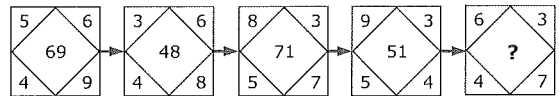
- A) 64 B) 86 C) 102 D) 128 E) 156

9.



- A) 31 B) 37 C) 43 D) 73 E) 87

10.



- A) 20 B) 30 C) 45 D) 46 E) 54

YANITLAR / ANSWERS

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

1.

9	9	9
8	7	6
7	6	?

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

2.

3	2	5	4
4	6	1	3
5	2	?	4
2	4	5	3

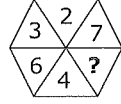
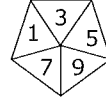
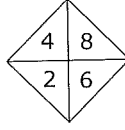
- A) 1 B) 2 C) 3 D) 4 E) 5

3.

1	1	1
2	4	8
3	9	?

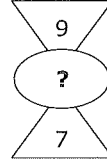
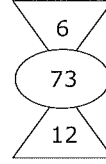
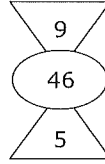
- A) 16 B) 20 C) 22 D) 25 E) 27

4.



- A) 8 B) 5 C) 9 D) 1 E) 0

5.



- A) 42 B) 45 C) 48 D) 56 E) 64

6.

1			3	4
		?		
2			5	1
	1			3
4			2	

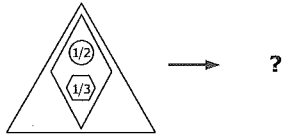
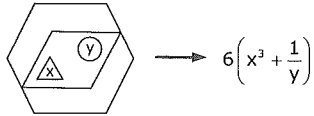
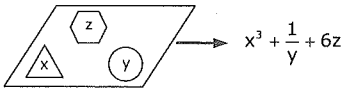
- A) 1 B) 2 C) 3 D) 4 E) 5

7.

5	1			
		4		3
			?	
	2	5		
1		3		2

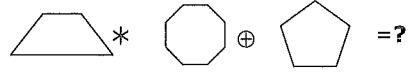
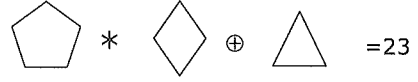
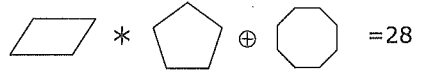
- A) 1 B) 2 C) 3 D) 4 E) 5

8.



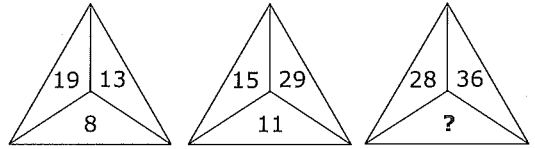
- A) 28 B) 32 C) 36 D) 48 E) 64

9.



- A) 29 B) 33 C) 35 D) 37 E) 38

10.

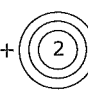
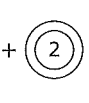
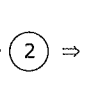


- A) 13 B) 15 C) 16 D) 20 E) 24

YANITLAR / ANSWERS

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

1.

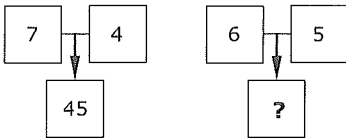
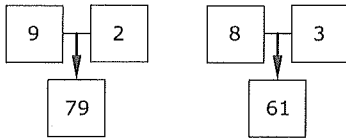
I.  +  +  +  $\Rightarrow 8+6+4+2=20$

II.  +  +  +  $\Rightarrow 30$

III.  +  +  +  $\Rightarrow ?$

- A) 40 B) 44 C) 48 D) 52 E) 64

2.



- A) 28 B) 31 C) 33 D) 37 E) 39

3.

2	2	1	1
4	4	2	2
3	0	1	5
9	2	4	?

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

4.

I.

	A	B	
C			
			D

$1.2.A+1.3.B+2.1.C+3.4.D$
 $=2.A+3.B+2.C+12.D$

II.

	10		
5		4	

54

III.

		1	1
2			
		5	

?

- A) 40 B) 50 C) 56 D) 80 E) 81

5.

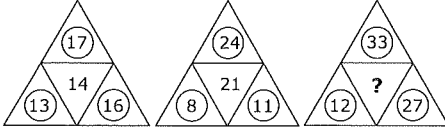
$5 \times \bullet = 2 \times \blacktriangle + \blacksquare$

$3 \times \blacksquare = \blacktriangle + \bullet$

$\blacktriangle - \bullet = ? \bullet$

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

6.



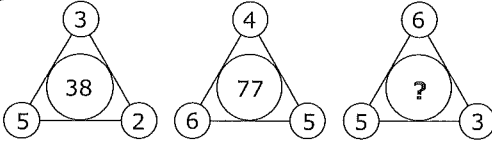
- A) 18 B) 19 C) 20 D) 21 E) 22

7.

3	9	19	2	4
2	7	-4	3	6
8	6	34	2	7
5	7	?	2	7

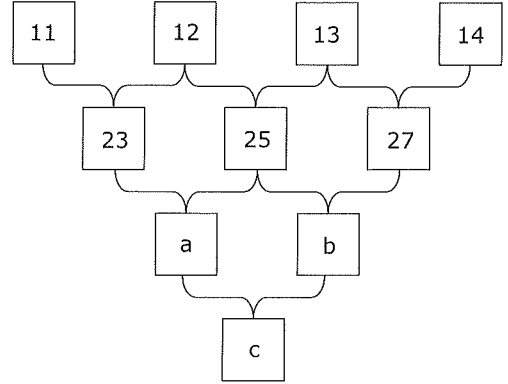
- A) 16 B) 18 C) 21 D) 23 E) 25

8.



- A) 33 B) 42 C) 60 D) 70 E) 91

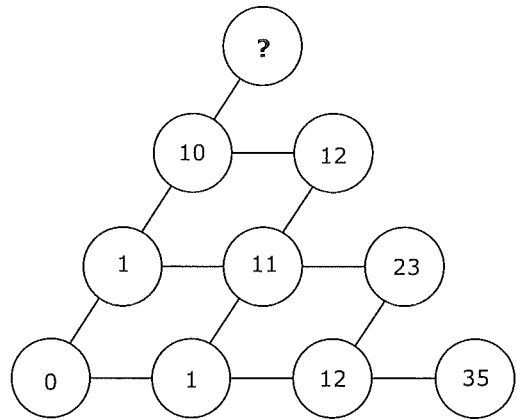
9.



$$\Rightarrow a+b-c=?$$

- A) 100 B) 84 C) 52 D) 48 E) 0

10.

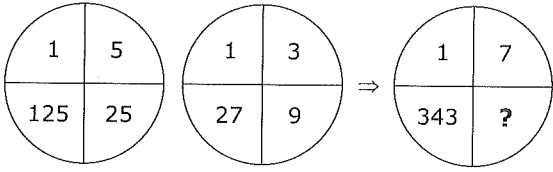


- A) 6 B) 5 C) 4 D) 3 E) 2

YANITLAR / ANSWERS

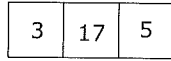
1.A	2.B	3.C	4.C	5.C
6.A	7.C	8.D	9.E	10.E

1.



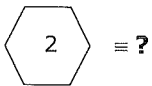
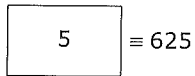
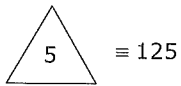
- A) 5 B) 8 C) 17 D) 49 E) 56

2.



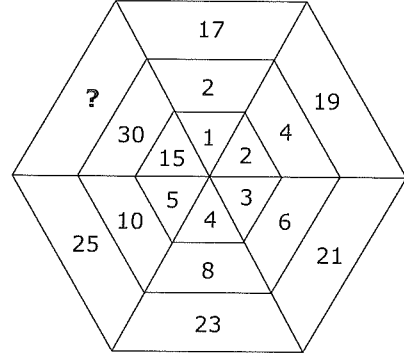
- A) 117 B) 127 C) 188 D) 140 E) 158

3.



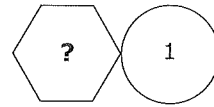
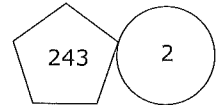
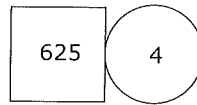
- A) 16 B) 24 C) 32 D) 64 E) 128

4.



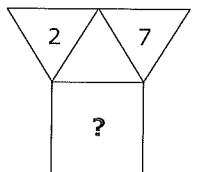
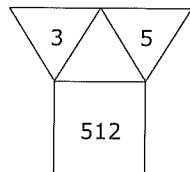
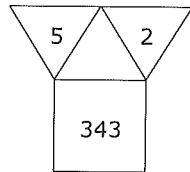
- A) 95 B) 105 C) 115 D) 125 E) 135

5.



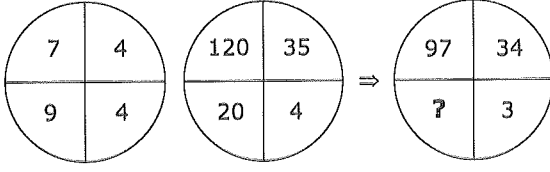
- A) 120 B) 64 C) 50 D) 48 E) 42

6.



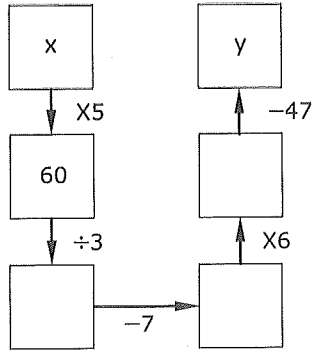
- A) 619 B) 719 C) 729 D) 819 E) 829

7.



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

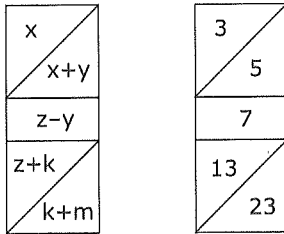
8.



$$\Rightarrow x+y=?$$

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

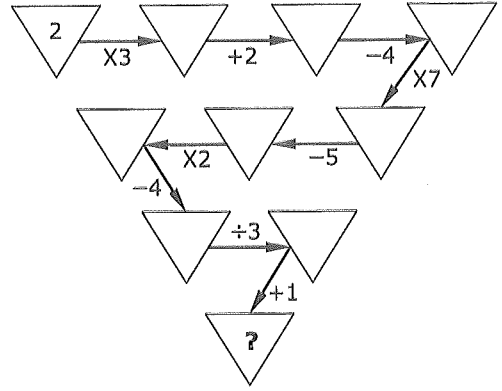
9.



$$\Rightarrow m=?$$

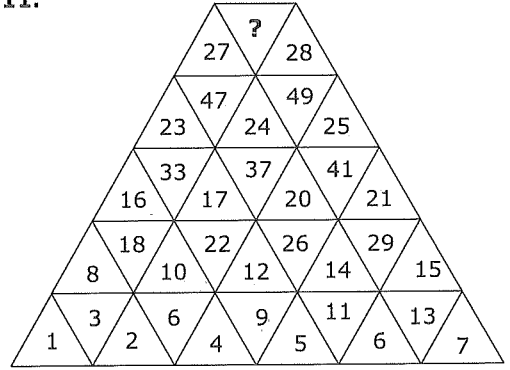
- A) 2 B) 7 C) 11 D) 17 E) 19

10.



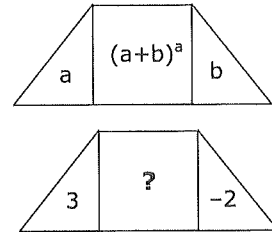
- A) 15 B) 14 C) 13 D) 12 E) 11

11.



- A) 50 B) 51 C) 52 D) 53 E) 55

12.

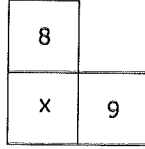
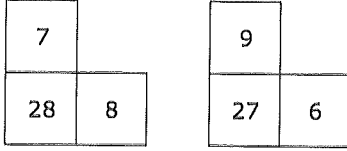


- A) -1 B) 0 C) 1 D) 2 E) 3

YANITLAR / ANSWERS

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

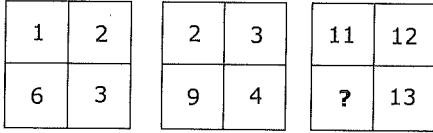
1.



$$\Rightarrow x=?$$

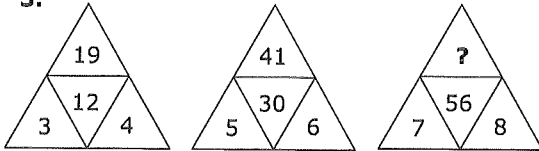
- A) 17 B) 22 C) 28 D) 36 E) 38

2.



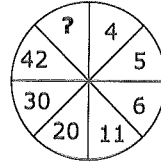
- A) 16 B) 26 C) 36 D) 46 E) 56

3.



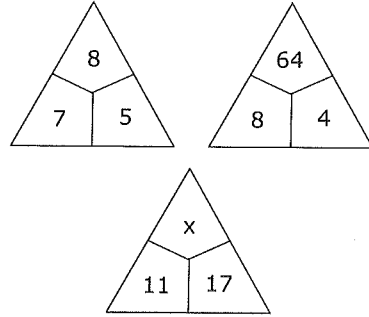
- A) 61 B) 71 C) 76 D) 81 E) 84

4.



- A) 51 B) 64 C) 78 D) 100 E) 132

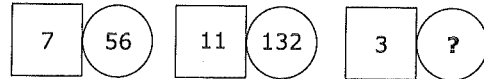
5.



$$\Rightarrow x=?$$

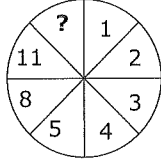
- A) 32 B) 48 C) 120 D) 156 E) 216

6.



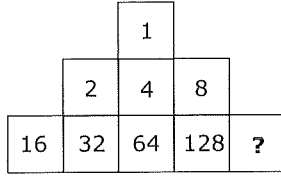
- A) 4 B) 6 C) 8 D) 12 E) 16

7.



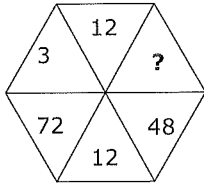
- A) 11 B) 12 C) 13 D) 14 E) 15

8.



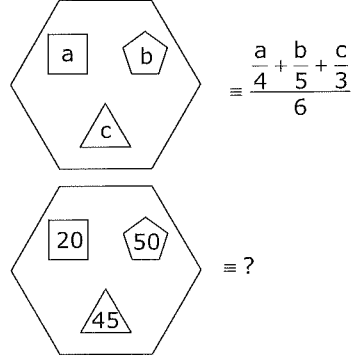
- A) 256 B) 300 C) 312 D) 400 E) 512

9.



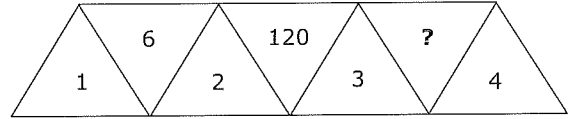
- A) 24 B) 12 C) 8 D) 6 E) 2

10.



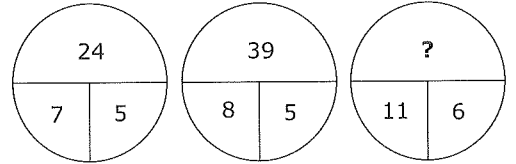
- A) 1 B) 2 C) 3 D) 4 E) 5

11.



- A) 240 B) 300 C) 720
D) 1440 E) 5040

12.



- A) 45 B) 55 C) 65 D) 75 E) 85

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

TABLÖLAR

BÖLÜM / CHAPTER

6

TABLES

Tablolar / Tables

Test – 1

1.

+	15	35
x		72
y	x	
z		

$$y=?$$

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

3.

+	x	y	z
x	y		
y		160	
z			y

$$x+y+z=?$$

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

2.

+	x	y	z
x			50
y			
z	y		

$$x+y+z=?$$

- A) 100 B) 110 C) 120 D) 130 E) 140

4.

+	x	y	z
x		52	
y			86
z	44		

$$x+y+z=?$$

- A) 51 B) 61 C) 71 D) 81 E) 91

5.

+	a	b	c	d	e
a	10				
b		20			
c			30		
d				40	
e					50

$$a+b+c+d+e=?$$

- A) 55 B) 65 C) 75 D) 85 E) 95

6.

+	x	y	z
x	4y		
y		3z	
z			40

$$x+y+z=?$$

- A) 50 B) 60 C) 70 D) 110 E) 160

7.

+	a	b	c	d
a			28	
b				
c				
d		42		

$$a+b+c+d=?$$

- A) 35 B) 40 C) 70 D) 75 E) 84

8.

+	x	y	z
x	c		
y		b	
z			a

$$\frac{a+b+c}{4}=?$$

- A) $x+y+z$ B) $\frac{x+y+z}{2}$ C) $\frac{x+y+z}{4}$
D) $\frac{3.(x+y+z)}{4}$ E) $\frac{5.(x+y+z)}{4}$

YANITLAR / ANSWERS

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

Tablolar / Tables

Test – 2

1.

+	a	b	c	d	e	f
a						
b			25			
c						
d	35					
e					70	
f						100

$$a+b+c+d+e+f=?$$

- A) 145 B) 135 C) 125 D) 120 E) 115

2.

+	x	y	z	t	m
x	a				
y		b			
z			c		
t				d	
m					e

$$\frac{a+b+c+d+e}{2}=?$$

- A) $x+y+z+t+m$ B) $\frac{x+y+z+t+m}{2}$
 C) $\frac{x+y+z+t+m}{4}$ D) $\frac{x+y+z+t+m}{8}$
 E) $\frac{x+y+z+t+m}{12}$

3.

+	x	y	z
x	32		
y			
z		15	20

$$z+x-y=?$$

- A) 7 B) 9 C) 13 D) 17 E) 21

4.

+	x	y	z
x			
y		z	
z			68
k		23	

$$k=?$$

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

5.

+	x	y	z
x	12		
y		X	
z		5	

$$z=?$$

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

7.

+	x	y	z
x	10		
y		14	
z			18

$$(z-y)^x=?$$

- A) 2 B) 4 C) 6 D) 16 E) 32

6.

+	x	y	z
x	a		
y		b	
z			c

$$x+y+z=112 \Rightarrow a+b+c=?$$

- A) 56 B) 224 C) 336 D) 350 E) 400

8.

+	x	y	z
x	y		
y		34	
z			17

$$2x+2z-y=?$$

- A) 5 B) 7 C) 11 D) 17 E) 23

YANITLAR / ANSWERS

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

Tablolar / Tables

Test – 3

1.

+	x	y	z
x		38	
y			
z			y

$$x+y+z=46 \Rightarrow x=?$$

- A) 14 B) 16 C) 20 D) 22 E) 24

3.

+	x	y	z
x		13	
y			24
z	17		

$$x+y+z=k \Rightarrow \sqrt{k-2}=?$$

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

2.

+	2	3	4
3	x		
4		y	
5			z

$$\sqrt{x+y+z}=?$$

- A) 21 B) $\sqrt{21}$ C) $2\sqrt{21}$ D) 16 E) 32

4.

+	x^2	y^2	z^2
x^2		15	
y^2			14
z^2	11		

$$\sqrt{x^2+y^2+z^2}=?$$

- A) 2 B) $\sqrt{5}$ C) $2\sqrt{5}$ D) 8 E) 20

5.

+	x	y	z
x	$\frac{a}{2}$		
y		$\frac{b}{3}$	
z			$\frac{c}{4}$

$$a+b+c=12 \Rightarrow 4.x+6.y+8.z=?$$

- A) 3 B) 6 C) 9 D) 12 E) 15

7.

+	x	y	z
x	$2.\sqrt[3]{2}$		
y		$4.\sqrt[3]{2}$	
z			$6.\sqrt[3]{2}$

$$x.y.z=?$$

- A) $\sqrt[3]{2}$ B) $2.\sqrt[3]{2}$ C) $8.\sqrt[3]{2}$ D) 10 E) 12

6.

+	x	y	z
x		$2\sqrt{2}$	
y			$5\sqrt{2}$
z	$3\sqrt{2}$		

$$(x+y+z)^2=?$$

- A) 5 B) $5\sqrt{2}$ C) 15 D) 50 E) 100

8.

+	2	35
x		44
y	z	
z	t	
t	x	

$$y=?$$

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

YANITLAR / ANSWERS

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

Tablolar / Tables

Test – 4

1.

+	a	b	c
a			57
b	95		
c		85	

$$b-c=?$$

- A) 17 B) 38 C) 37 D) 41 E) 53

2.

X	a	b	c
a	121		
b		81	
c			1

$$a.b.c=?$$

- A) 1 B) 11 C) 29 D) 49 E) 99

3.

X	a	b	c	d
a	144			
b		196		
c			225	
d				361

$$a+b+c+d=?$$

- A) 15 B) 20 C) 25 D) 35 E) 60

4.

X	a	b	c	d
a	289			34
b			87	
c				58

$$b=?$$

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

5.

X	a	b	c
a		25	
b			
c	49	36	

c=?

- A) $\frac{7}{5}$ B) $\frac{11}{4}$ C) $\frac{21}{5}$ D) $\frac{27}{4}$ E) $\frac{42}{5}$

6.

X	a	b	c
a			38
b	76		
c			4

b=?

- A) 4 B) 7 C) 11 D) 19 E) 64

7.

X	a	b	c
a		5	
b			35

a+b+c=?

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

8.

+	a	b	c
a	2.x		
b		4.y	
c			6.z

$a + \frac{b}{2} + \frac{c}{3} = ?$

- A) $2x + 3y + 4z$ B) $4x + 6y + 9z$
 C) $x + y + z$ D) $\frac{x + y + z}{3}$
 E) $3x + 2y + z$

YANITLAR / ANSWERS

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

Tablolar / Tables

Test – 5

1.

X	2	3	4	5
6				d
7		a		
8	b			
9			c	

$$a+b+c+d=?$$

- A) 101 B) 103 C) 105 D) 106 E) 110

2.

X	16	32	512
64	a		
256		b	
1024			c

$$a.b.c=?$$

- A) 2^{38} B) 2^{39} C) 2^{40} D) 2^{41} E) 2^{42}

3.

▲	e	a	b	c	d
e	e	a	b	c	d
a	b	b	c	d	e
b	c	c	d	e	a
c	c	d	e	a	b
d	d	e	a	b	e

$$(a \blacktriangle b) \blacktriangle (e \blacktriangle c) = ?$$

- A) a B) b C) c D) d E) e

4.

▲	e	a	b	c	d
e	e	a	b	c	d
a	b	b	c	d	e
b	c	c	d	e	a
c	c	d	e	a	b
d	d	e	a	b	e

$$(x \blacktriangle a) \blacktriangle a = a \Rightarrow x = ?$$

- A) a B) b C) c D) d E) e

5.

x	a	b	c
a			
b			12b

+	a	b	c
a		2c	
b			5a

b=?

- A) 6 B) 12 C) 14 D) 16 E) 18

6.

x	a	b	c
a			
b		$\frac{3}{2}a$	
c		32	6a

b=?

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

7.

x	a	b
a	4a+5	
b		16a+1

b=?

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

8.

x	a	b	c
a		2b	
b			

+	a	b	c
a			
b		c	6a

c=?

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

YANITLAR / ANSWERS

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

1.

$\oplus$	A	B	C
A		4	
B			8
C	6		

$$A \oplus B \oplus C = ?$$

- A) 9 B) 12 C) 15 D) 18 E) 21

2.

+	$\triangle$	$\square$	$\bigcirc$
$\triangle$		$2 \times \square$	
$\square$			15
$\bigcirc$	$3 \times \square$		

$$\triangle + \square + \bigcirc = ?$$

- A) 5 B) 10 C) 15 D) 20 E) 25

3.

9	9	9
8	7	6
7	6	?

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

4.

3	2	5	4
4	6	1	3
5	2	?	4
2	4	5	3

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

5.

1	1	1
2	4	8
3	9	?

- A) 16 B) 20 C) 22 D) 25 E) 27

7.

x	a	b	c
a	8b	c	
b			4a
c			

$$\Rightarrow a=?$$

- A) 2 B) 4 C) 6 D) 8 E) 9

6.

x	a	b	c
a			
b			
c	12a		

+	a	b	c
a		c	
b		6a	
c			

$$\Rightarrow b=?$$

- A) 2 B) 4 C) 6 D) 8 E) 9

8.

+	a	b	c
a			5b
b	20		
c		15	

$$\Rightarrow b=?$$

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

YANITLAR / ANSWERS

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

Tablolar / Tables

Test – 7

1.

$\otimes$	a	b	c	d	e
a	c	d	e	a	b
b	d	e	a	b	c
c	e	a	b	c	d
d	a	b	c	d	e
e	b	c	d	e	a

$$\Rightarrow c \otimes [(d \otimes a) \otimes e] = ?$$

- A) a B) b C) c D) d E) e

2.

$\otimes$	a	b	c	d	e
a	c	d	e	a	b
b	d	e	a	b	c
c	e	a	b	c	d
d	a	b	c	d	e
e	b	c	d	e	a

$$(b \otimes x) \otimes (e \otimes a) \otimes e = c \Rightarrow x = ?$$

- A) a B) b C) c D) d E) e

3.

+	a	b	c
a			5b
b	20		
c		15	

$$\Rightarrow b = ?$$

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

4.

X	a	b	c
a	8b	c	
b			4a
c			

$$\Rightarrow a = ?$$

- A) 2 B) 4 C) 6 D) 8 E) 9

5.

$\oplus$	A	B	C
A		4	
B			8
C	6		

$$\Rightarrow C=?$$

- A) 5 B) 12 C) 15 D) 18 E) 21

7.

X	a	b
a	$4a+5$	
b		$16a+1$

$$\Rightarrow a.b=?$$

- A) 15 B) 25 C) 35 D) 45 E) 50

6.

+	a	b	c
a		$2c$	
b			$5a$

X	a	b	c
a			
b			$12b$

$$\Rightarrow b=?$$

- A) 6 B) 12 C) 14 D) 16 E) 18

8.

+	a	b	c
a			
b	20	c	54
c			

$$\Rightarrow c-a=?$$

- A) 34 B) 35 C) 36 D) 37 E) 38

YANITLAR / ANSWERS

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

Tablolar / Tables

Test – 8

1.

+	a	b	c
a			
b			16
c	8		

X	a	b	c
a			12
b	20		
c			

$$\Rightarrow a+b=?$$

- A) 7 B) 10 C) 12 D) 14 E) 22

2.

22	6	24
23	5	24
8	x	36

$$\Rightarrow x=?$$

- A) 4 B) 5 C) 7 D) 8 E) 10

3.

2	3	6
7	8	16
17	18	36
A	B	C

$$\Rightarrow A+B+C=?$$

- A) 131 B) 157 C) 186
D) 215 E) 308

4.

	1	2	3
4	4	8	x
5	5	y	15
6	z	12	18

$$\Rightarrow x+y-2z=?$$

- A) 22 B) 20 C) 16 D) 10 E) 0

5.

+	a	b	c
a			
b		$6-c$	
c		5	$2a-8$

$$\Rightarrow a=?$$

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

7.

X	a	b	c
a		$4c$	
b			$9a$
c			

$$\Rightarrow b=?$$

- A) 4 B) 6 C) 8 D) 9 E) 12

6.

+	a	b
a		4
b		

X	a	b
a		
b	2	

$$\Rightarrow (a-b)^2=?$$

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

8.

X	a	b	c
a		$2b$	
b			

+	a	b	c
a			
b		c	$6a$

$$\Rightarrow a+b+c=?$$

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

ANITLAR / ANSWERS

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

1.

+	a	b
a		
b	5	

x	a	b
a		3
b		

$$\Rightarrow (a-b)^2=?$$

- A) 12 B) 13 C) 18 D) 21 E) 24

2.

+	oo	△
o		ooo
△	□	

$$\triangle + \triangle + \square = ?$$

- A) □□△ B) □ooo C) oo△△
D) oooo E) □△oo

3.

+	oo	□□
o		△△△
△	□	

$$\triangle + \square = ?$$

- A) ooooooooo
B) oooooooooo
C) ooooooooooo
D) oooooooooooo
E) ooooooooooooo

4.

x	a	b	c
a		8	
b			12
c	6		

$$\Rightarrow a = ?$$

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

5.

▲	○	□	*	Σ	Z
○	□	*	Σ	Z	○
□	*	Σ	Z	○	□
*	Σ	Z	○	□	*
Σ	Z	○	□	*	Σ
Z	○	□	*	Σ	Z

$$[(Z \blacktriangle \square) \blacktriangle (\circ \blacktriangle \Sigma)] \blacktriangle (* \blacktriangle ?) \equiv Z$$

- A) ○ B) □ C) * D) Σ E) Z

6.

+	a	b	c
a		c+3	
b			a-5
c			

x	a	b	c
a			5
b			
c			

$$\Rightarrow c^2 + a^2 = ?$$

- A) 12 B) 16 C) 18 D) 24 E) 26

7.

+	a	b	c
a		8	
b			
c			

x	a	b	c
a			30
b	15		
c		18	

$$\Rightarrow c = ?$$

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

8.

x	a	b	c	d
a			18	
b	8			
c				36
d		16		

$$\Rightarrow axbxcxd = ?$$

- A) 270 B) 280 C) 288
D) 300 E) 306

ANITLAR / ANSWERS

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

1.

+	a	b
a		6
b		

x	a	b
a		
b	6	

$$\Rightarrow a^3 + b^3 = ?$$

- A) 84 B) 90 C) 96 D) 108 E) 112

2.

+	a	b	c
a			13
b	17		
c		3a	

$$\Rightarrow a = ?$$

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

3.

x	a	b
a	a+6	
b		8a+1

$$\Rightarrow b = ?$$

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

4.

x	a	b
a		$c^2 - 1$
b	24	

+	a	c
a		
b		11

$$\Rightarrow b = ?$$

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

5.

+	a	b	c
a			
b	c		
c		2a	12

$$\Rightarrow a = ?$$

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

7.

X	a	b	c
a		18a	
b			

+	a	b	c
a		c	
b			7a

$$\Rightarrow a = ?$$

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

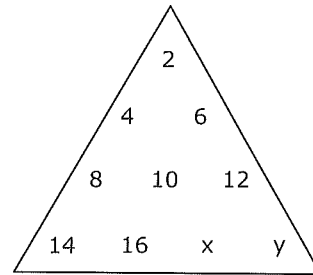
6.

X	a	b	c
a	8c		
b	18	2c	
c			

$$\Rightarrow b = ?$$

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

8.



$$\Rightarrow x + y = ?$$

- A) 18 B) 20 C) 38 D) 44 E) 56

ANITLAR / ANSWERS

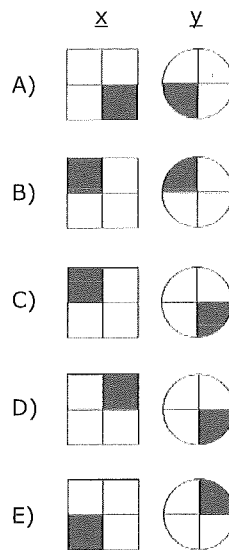
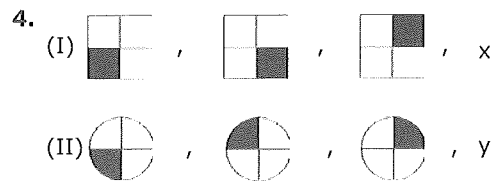
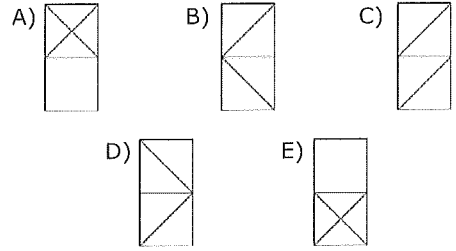
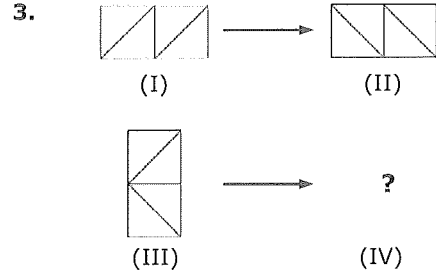
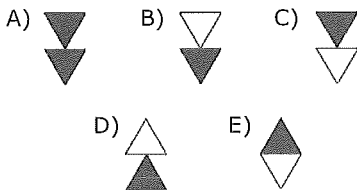
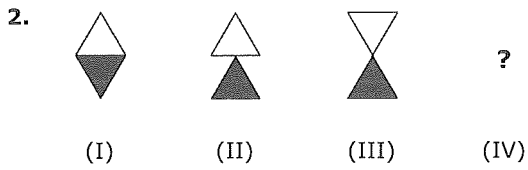
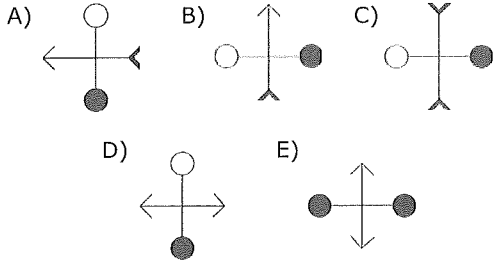
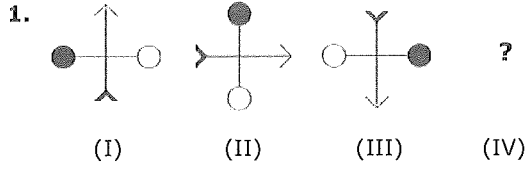
1.D 2.A 3.B 4.A 5.E 6.A 7.C 8.C

ŞEKİL BAĞINTILARI

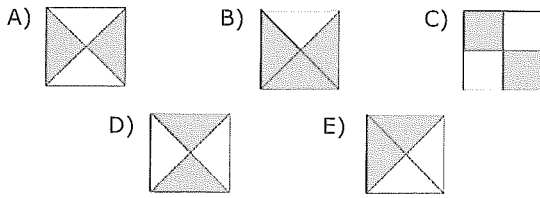
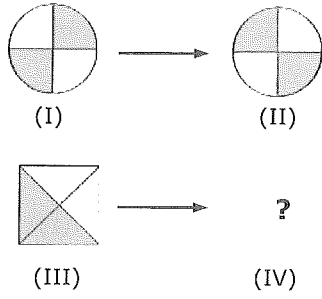
BÖLÜM / CHAPTER

7

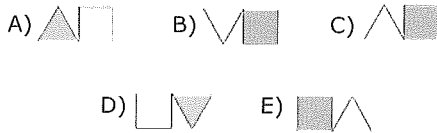
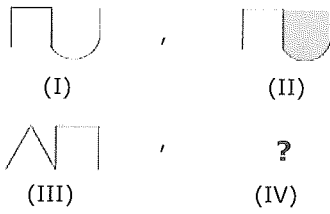
FIGURE RELATIONS



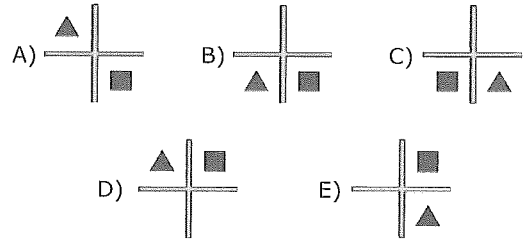
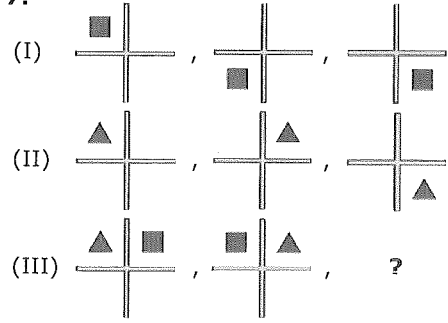
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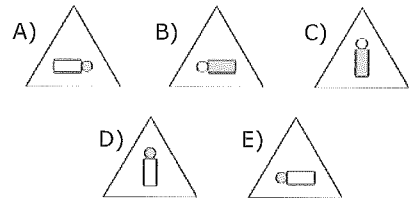
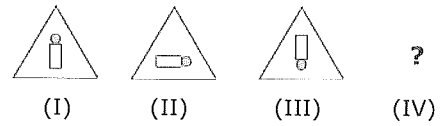
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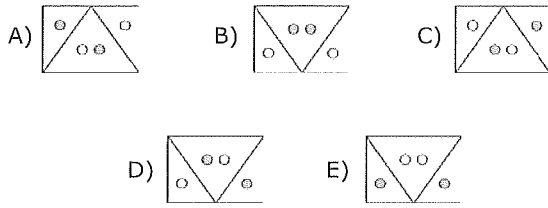
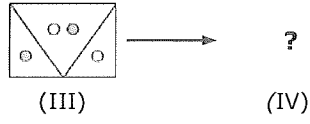
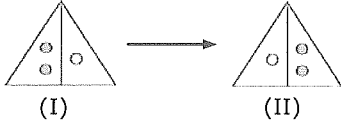
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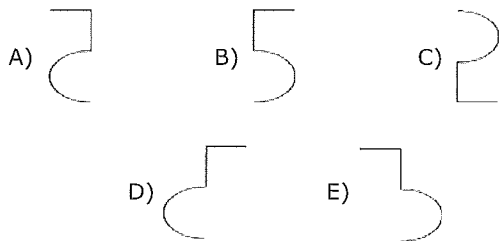
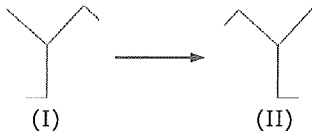
YANITLAR / ANSWERS

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

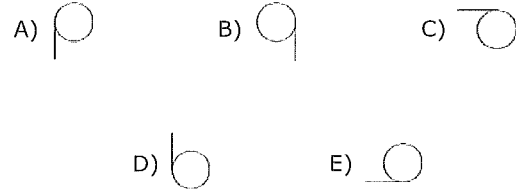
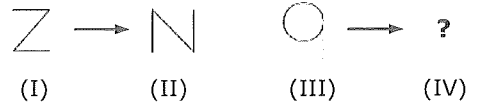
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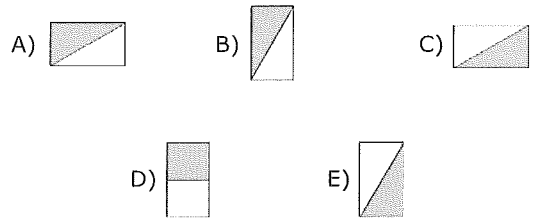
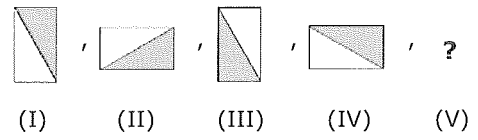
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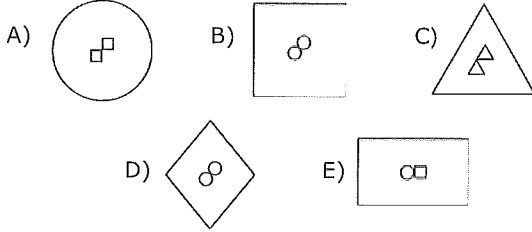
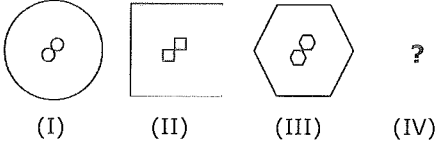
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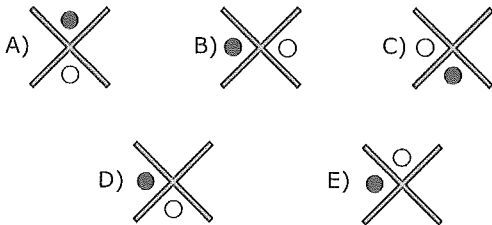
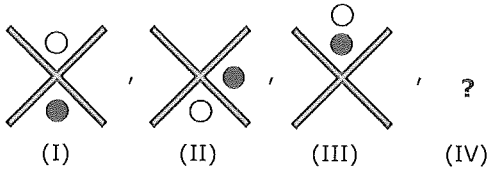
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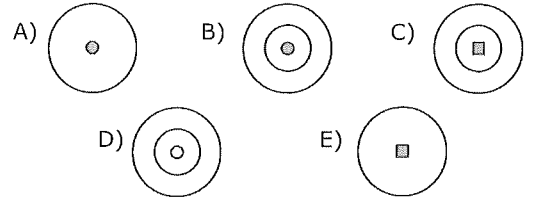
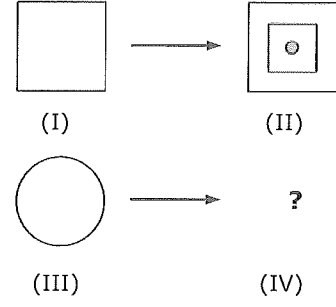
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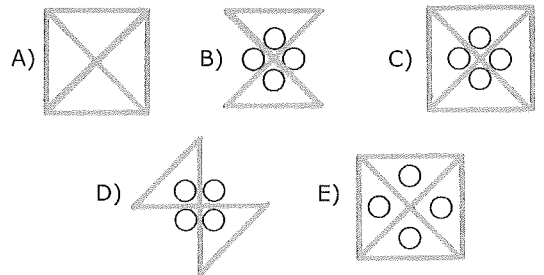
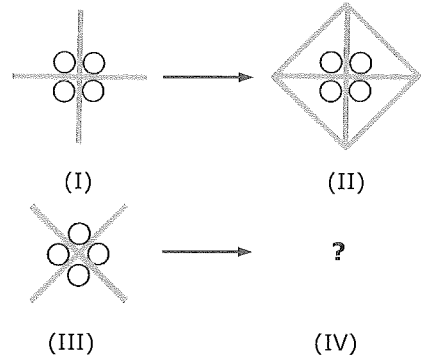
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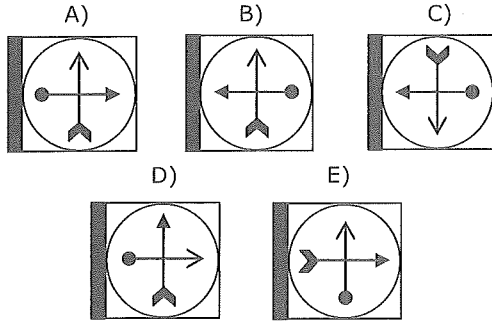
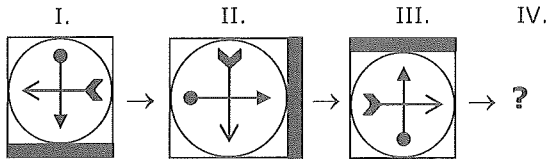
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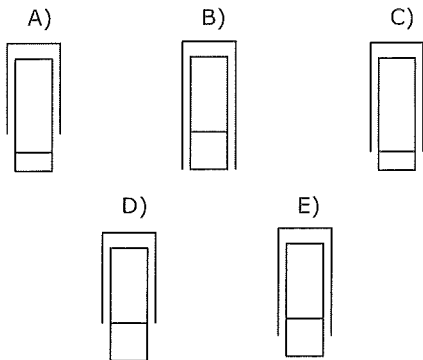
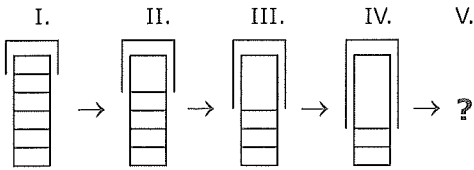
YANITLAR / ANSWERS

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

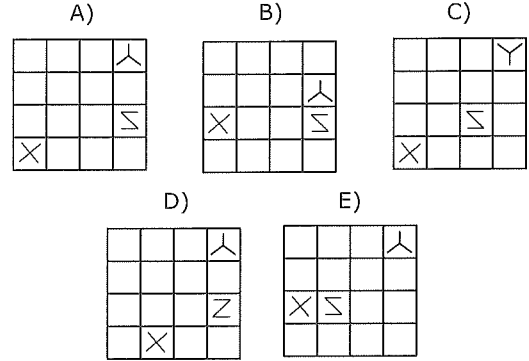
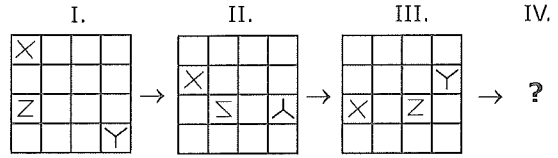
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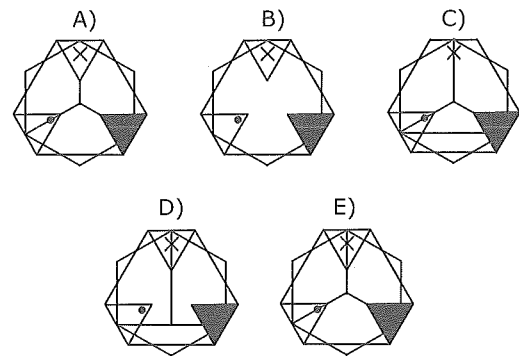
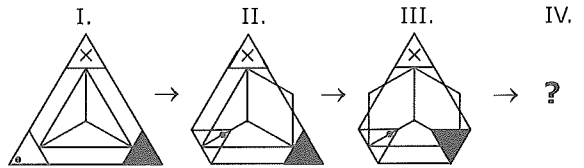
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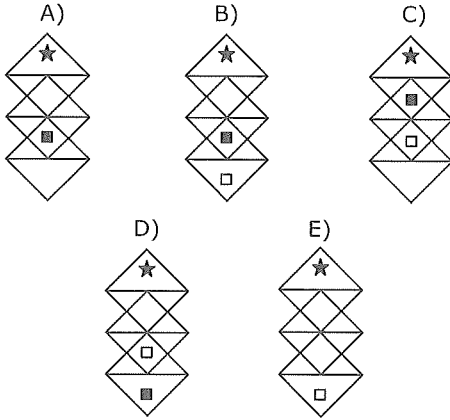
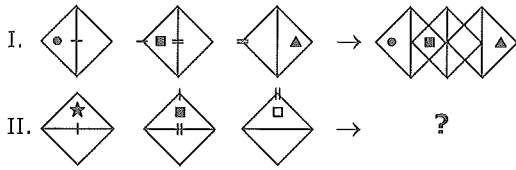
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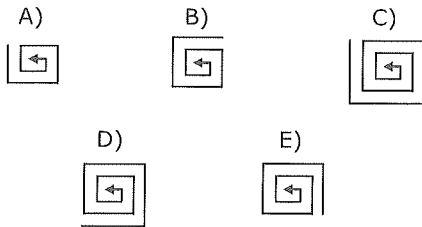
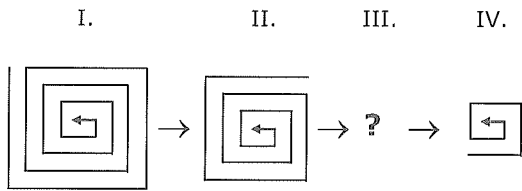
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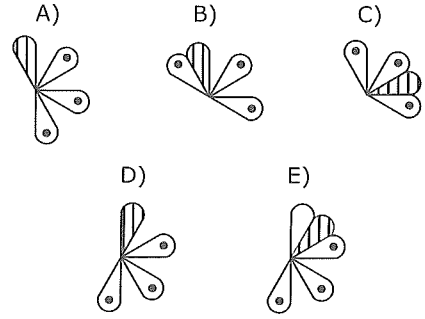
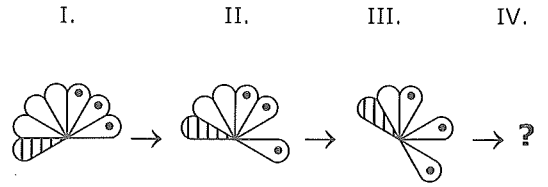
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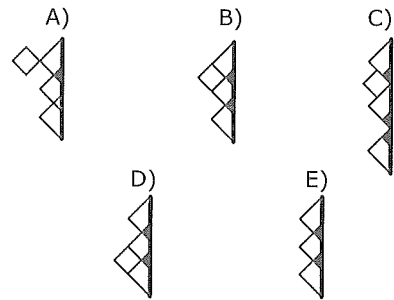
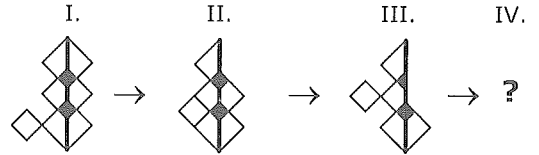
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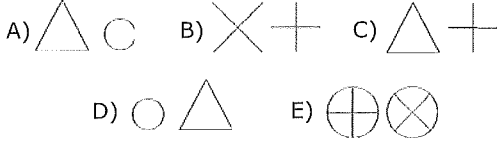
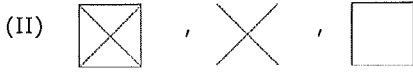
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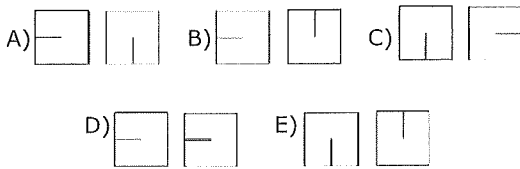
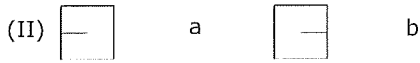
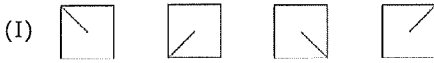
YANITLAR / ANSWERS

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

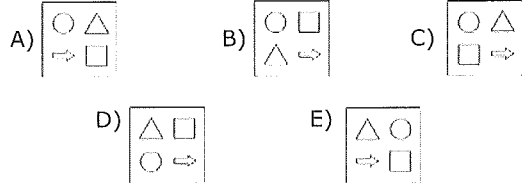
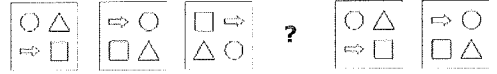
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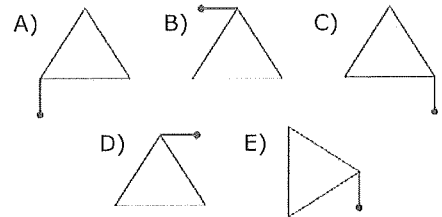
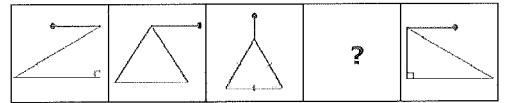
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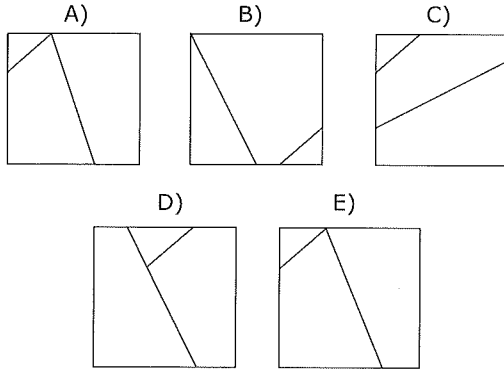
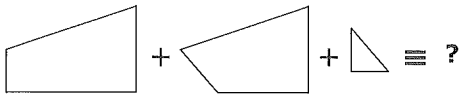
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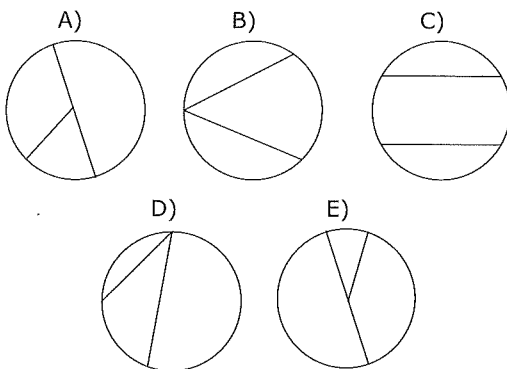
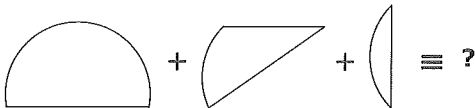
YANITLAR / ANSWERS

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

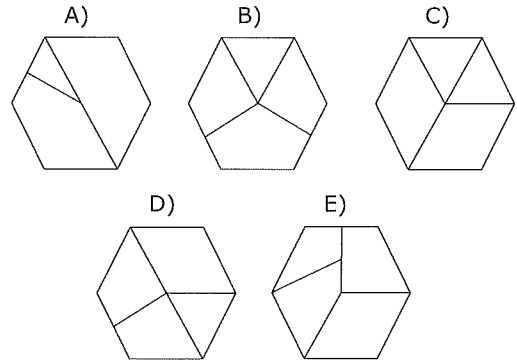
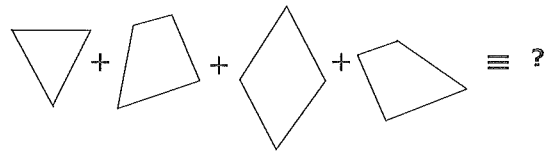
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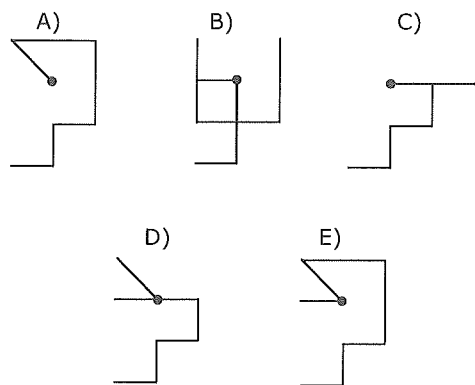
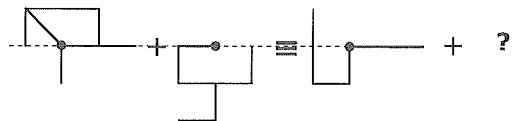
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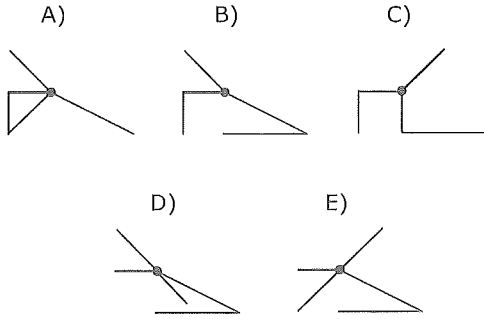
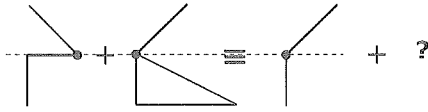
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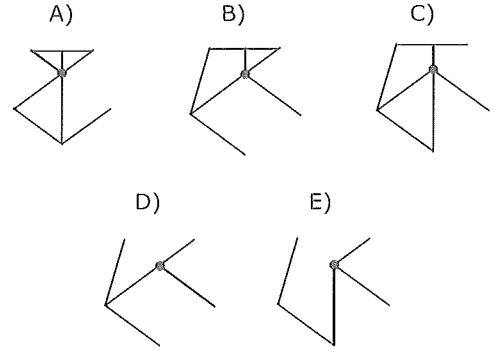
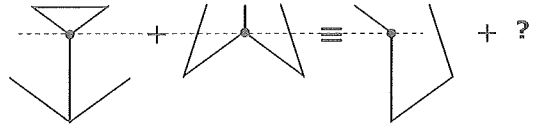
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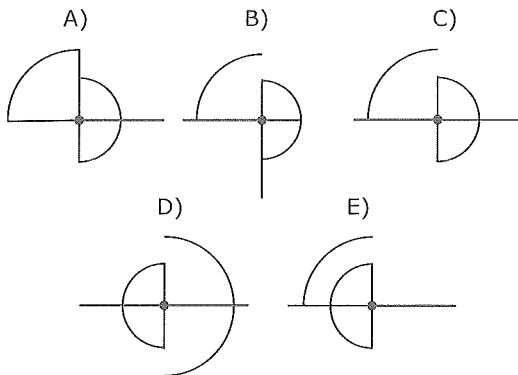
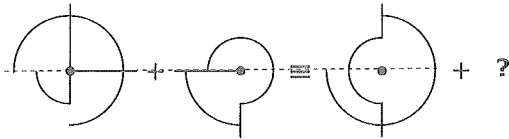
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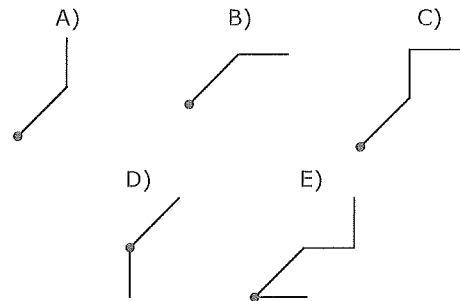
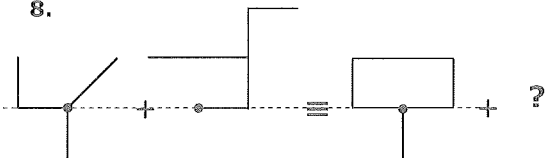
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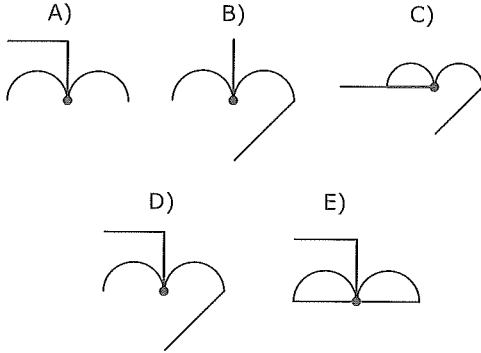
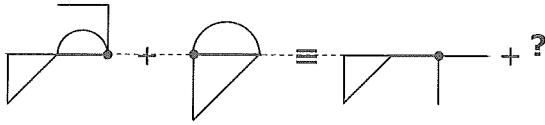
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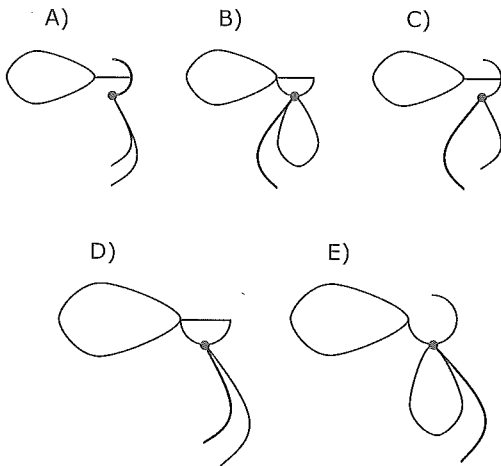
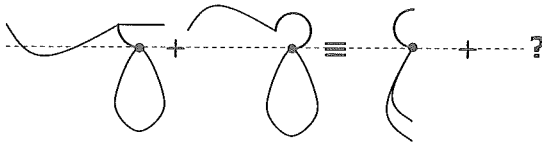
YANITLAR / ANSWERS

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

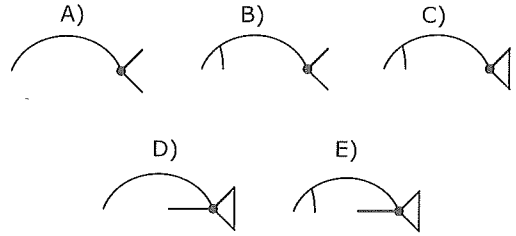
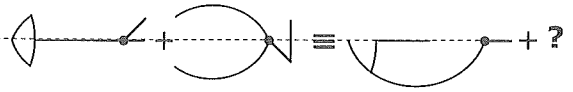
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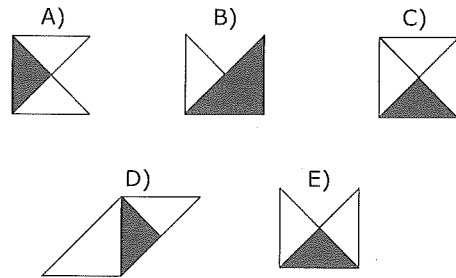
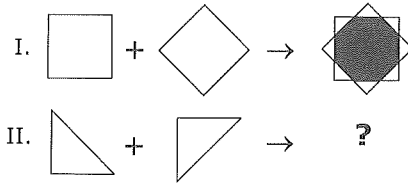
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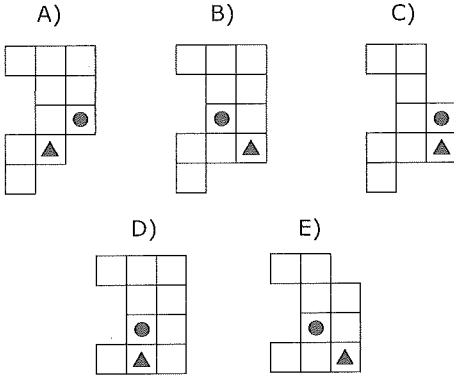
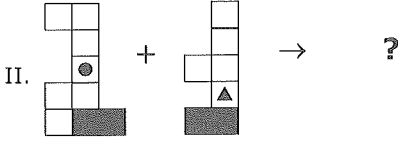
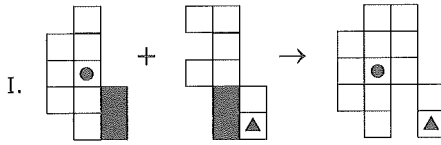
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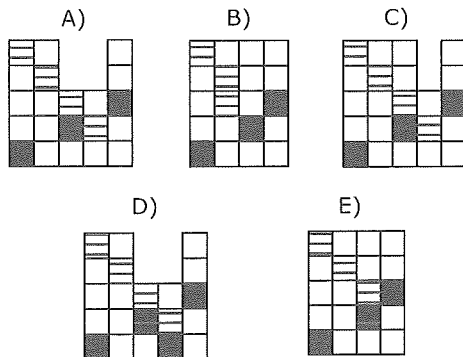
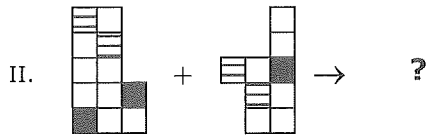
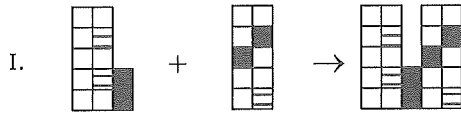
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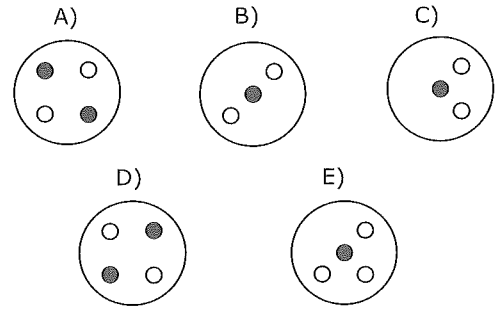
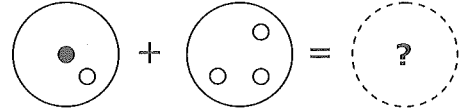
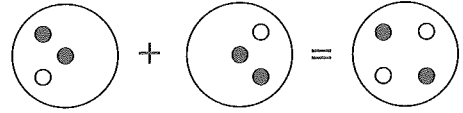
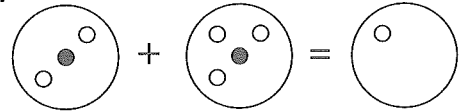
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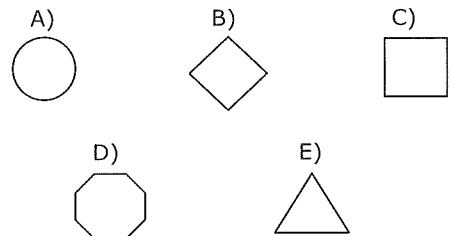
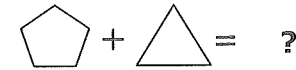
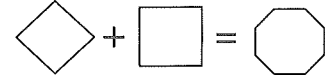
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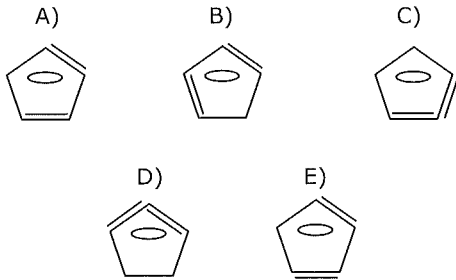
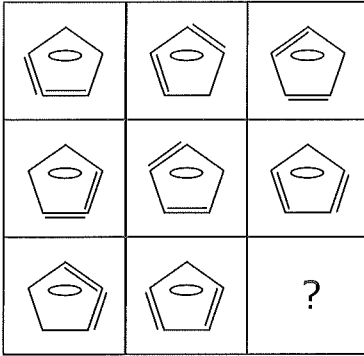
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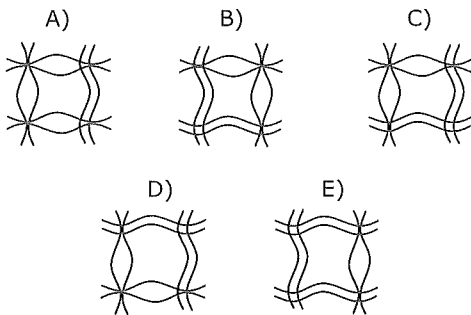
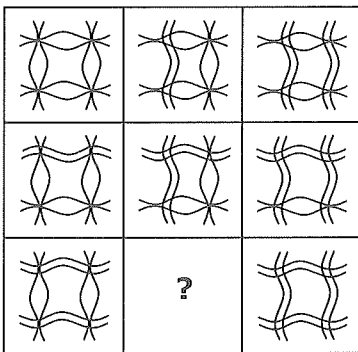
YANITLAR / ANSWERS

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

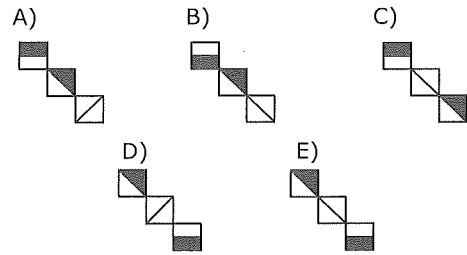
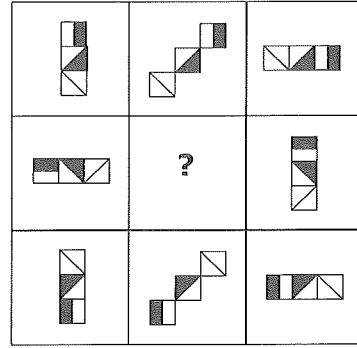
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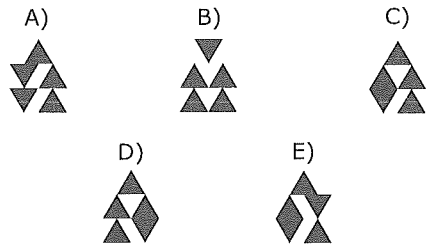
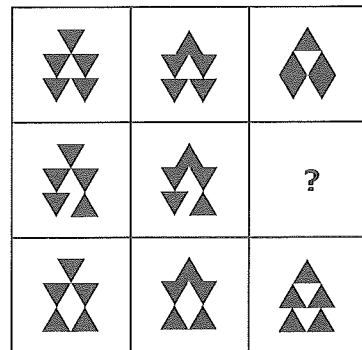
2.



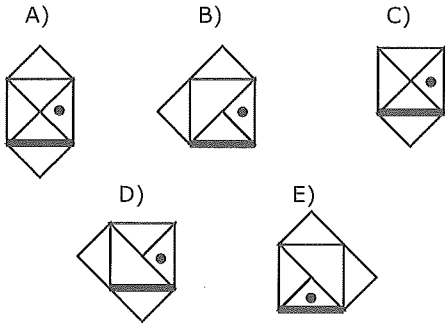
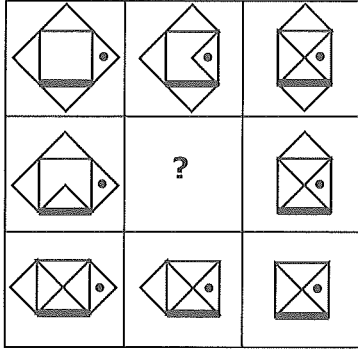
3.



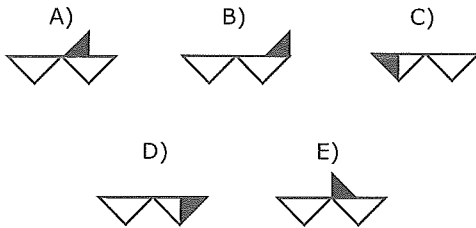
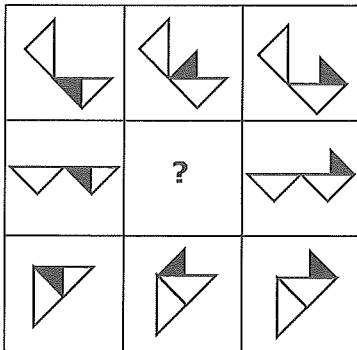
4.



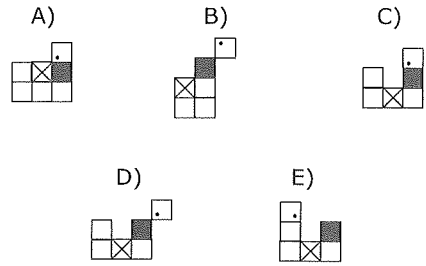
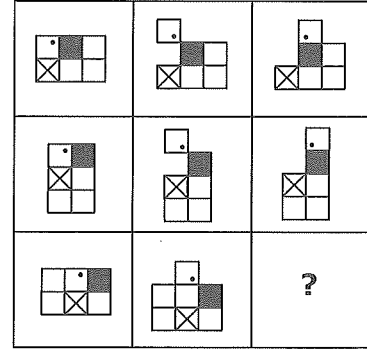
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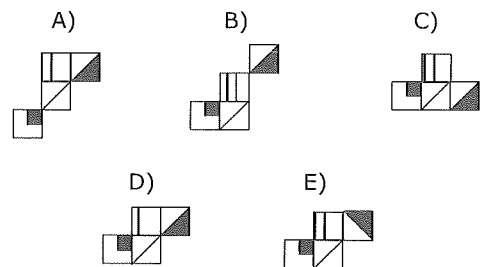
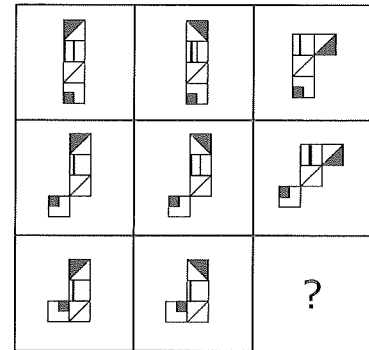
6.



7.



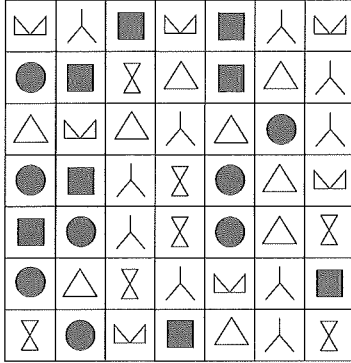
8.



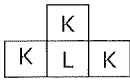
YANITLAR / ANSWERS

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

1.



I



K=△

L=△

II.



M=?

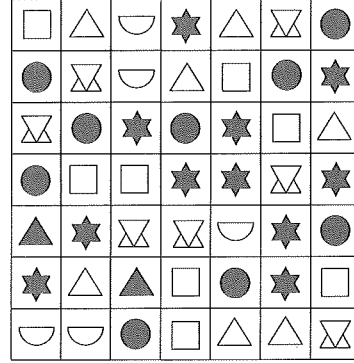
N=?

I ve II, yukarıdaki tablonun farklı birer parçasıdır.
Buna göre, II deki M ve N nin yerine aşağıdakilerden hangisi gelmelidir?

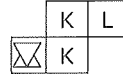
I and II are different parts of the figure above.
Accordingly, which of the following combinations should replace M and N in II?

- A)  
- B)  
- C)  
- D)  
- E)  

2.



I



K=◐

L=★

II.



M=?

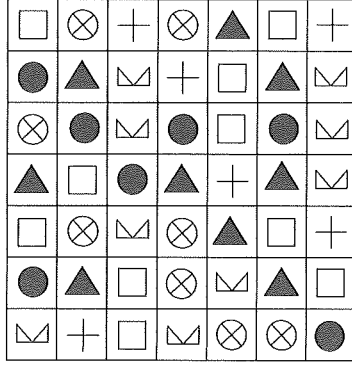
N=?

I ve II, yukarıdaki tablonun farklı birer parçasıdır.
Buna göre, II deki M ve N nin yerine aşağıdakilerden hangisi gelmelidir?

I and II are different parts of the figure above.
Accordingly, which of the following combinations should replace M and N in II?

- A)  
- B)  
- C)  
- D)  
- E)  

3.

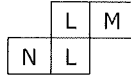


I

II.



K =  L = 



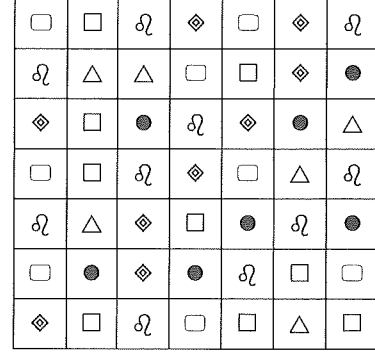
M = ? N = ?

I ve II, yukarıdaki tablonun farklı birer parçasıdır.
Buna göre, II deki M ve N nin yerine aşağıdakilerden hangisi gelmelidir?

I and II are different parts of the figure above.
Accordingly, which of the following combinations should replace M and N in II?

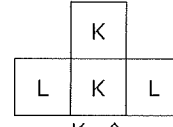
- | | M | N |
|----|---|---|
| A) |  |  |
| B) |  |  |
| C) |  |  |
| D) |  |  |
| E) |  |  |

4.

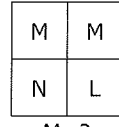


I.

II.



K = 
L = 



M = ?
N = ?

I ve II, yukarıdaki tablonun farklı birer parçasıdır.
Buna göre, II deki M ve N nin yerine aşağıdakilerden hangisi gelmelidir?

I and II are different parts of the figure above.
Accordingly, which of the following combinations should replace M and N in II?

- | | M | N |
|----|---|--|
| A) |  |  |
| B) |  |  |
| C) |  |  |
| D) |  |  |
| E) |  |  |

YANITLAR / ANSWERS

1.C 2.D 3.A 4.C

1.

⊗	△	□	○	□	△	⊗
△	○	□	⊗	○	△	□
⊗	□	△	○	□	□	⊗
□	△	○	□	△	⊗	⊗
⊗	○	△	□	△	○	□
○	□	⊗	□	○	△	⊗
⊗	△	□	○	⊗	○	⊗

I.

	F	
F	G	G

F=○
G=□

II.

	F	
F	H	J

H=?
J=?

I ve II, yukarıdaki tablonun farklı birer parçasıdır.

Buna göre, II deki H ve J nin yerine aşağıdakilerden hangisi gelmelidir?

I and II are different parts of the figure above.

Accordingly, which of the following combinations should replace H and J in II?

- | | | |
|----|---|---|
| | H | J |
| A) | ⊗ | △ |
| B) | △ | ⊗ |
| C) | ⊗ | ⊗ |
| D) | △ | ⊗ |
| E) | ⊗ | △ |

2.

□	△	⊗	□	☆	⊗	○
☆	○	□	⊗	⊗	⊗	□
○	⊗	⊗	○	⊗	☆	○
○	⊗	⊗	□	△	○	☆
⊗	○	⊗	□	△	○	△
☆	□	⊗	⊗	○	△	⊗
□	○	⊗	△	⊗	☆	⊗

I.

	⊗	F
G	G	

F=○
G=⊗

II.

H	F
J	H

H=?
J=?

I ve II, yukarıdaki tablonun farklı birer parçasıdır.

Buna göre, II deki H ve J nin yerine aşağıdakilerden hangisi gelmelidir?

I and II are different parts of the figure above.

Accordingly, which of the following combinations should replace H and J in II?

- | | | |
|----|---|---|
| | H | J |
| A) | ⊗ | ☆ |
| B) | △ | ☆ |
| C) | □ | △ |
| D) | △ | □ |
| E) | ⊗ | △ |

3.

△	□	☆	○	⊙	⊗	⊠
☆	○	⊗	△	⊙	⊠	□
□	☆	⊙	⊠	□	○	△
⊠	⊙	⊠	□	⊠	△	☆
⊗	○	△	⊙	□	☆	○
□	⊙	□	⊗	⊠	☆	△
⊙	△	⊗	○	☆	⊠	□

I.

F	G
G	F

F=⊠
G=□

II.

F	H	F
	J	

H=?
J=?

I ve II, yukarıdaki tablonun farklı birer parçasıdır.

Buna göre, II deki H ve J nin yerine aşağıdakilerden hangisi gelmelidir?

I and II are different parts of the figure above.

Accordingly, which of the following combinations should replace H and J in II?

- | | H | J |
|----|---|---|
| A) | ⊠ | △ |
| B) | ○ | ⊙ |
| C) | △ | ⊠ |
| D) | ⊠ | ⊙ |
| E) | ⊙ | ○ |

4.

○	+	○	5	☆	+	5
☆	5	☆	+	5	☆	○
+	5	☆	+	5	○	+
+	α	α	○	☆	5	☆
5	α	+	5	α	○	5
α	○	5	5	α	5	5
α	☆	5	○	+	○	☆

I.

K
K
L

K=5
L=α

II.

L	M
L	N

M=?
N=?

I ve II, yukarıdaki tablonun farklı birer parçasıdır.

Buna göre, II deki M ve N nin yerine aşağıdakilerden hangisi gelmelidir?

I and II are different parts of the figure above.

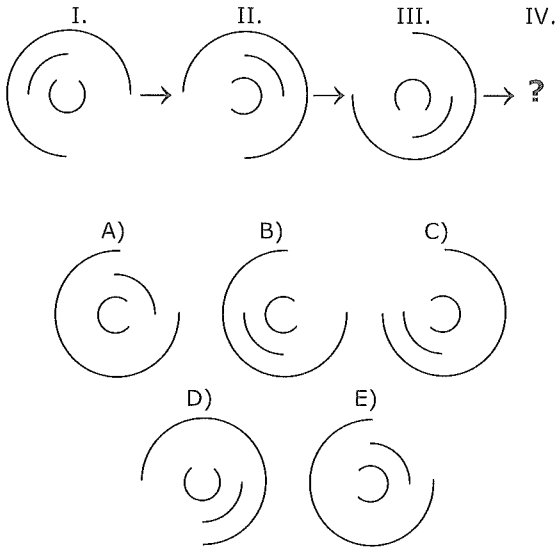
Accordingly, which of the following combinations should replace M and N in II?

- | | M | N |
|----|---|---|
| A) | + | ☆ |
| B) | ☆ | + |
| C) | ○ | ☆ |
| D) | ☆ | ○ |
| E) | ○ | + |

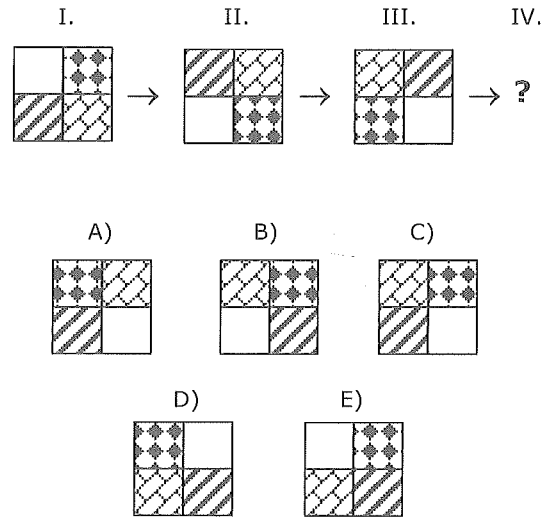
YANITLAR / ANSWERS

1.D 2.E 3.E 4.C

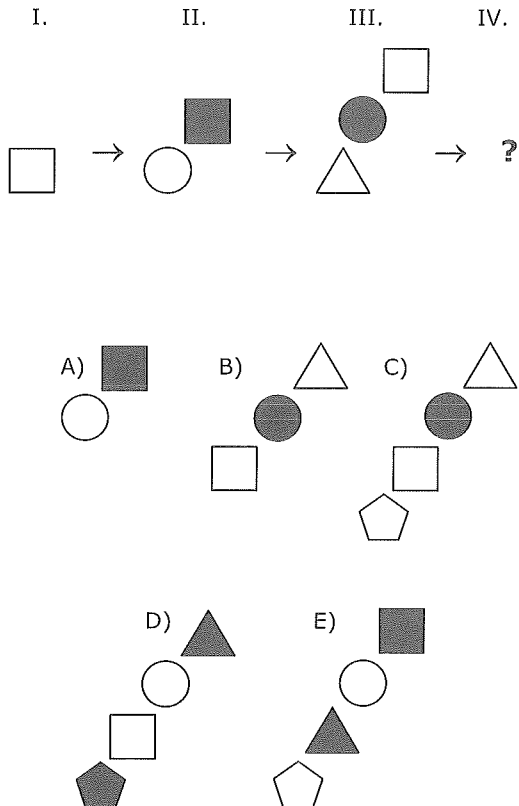
1.



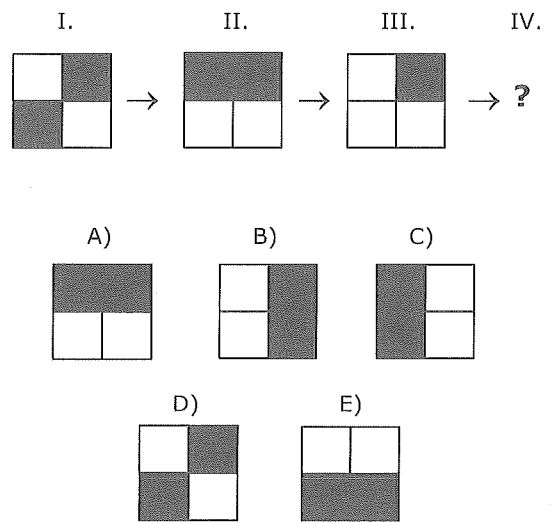
3.



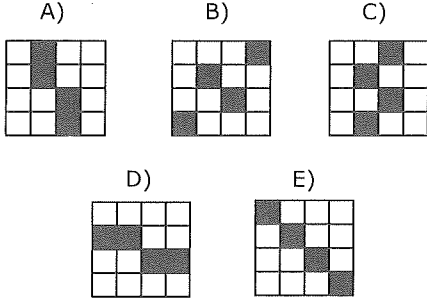
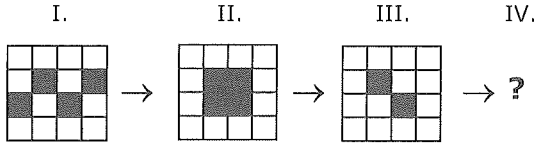
2.



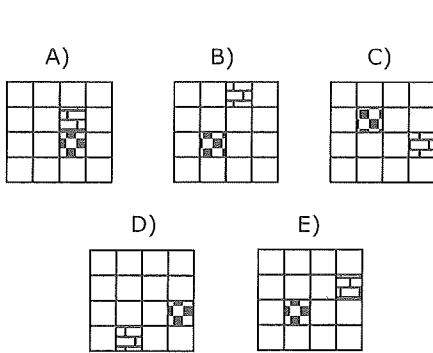
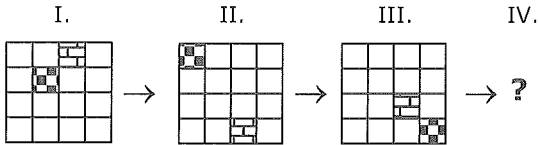
4.



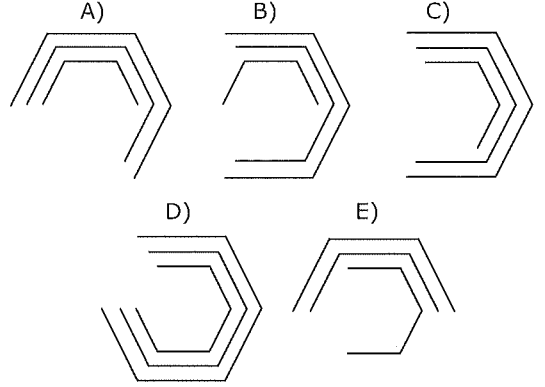
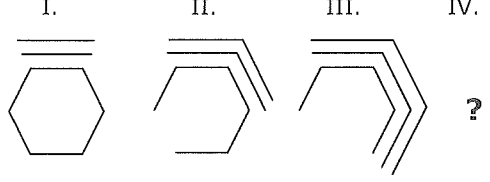
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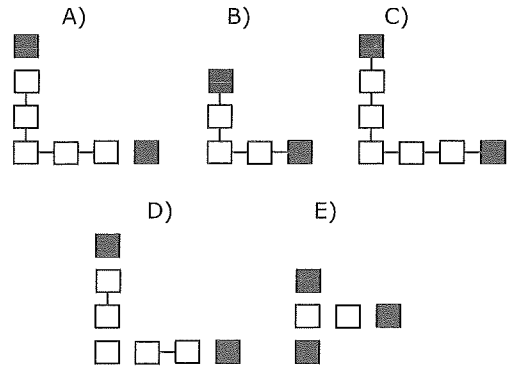
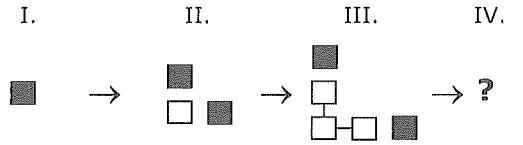
6.



7.



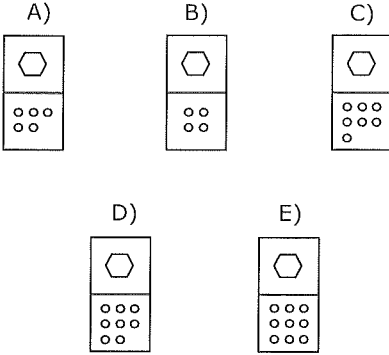
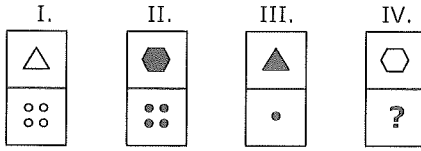
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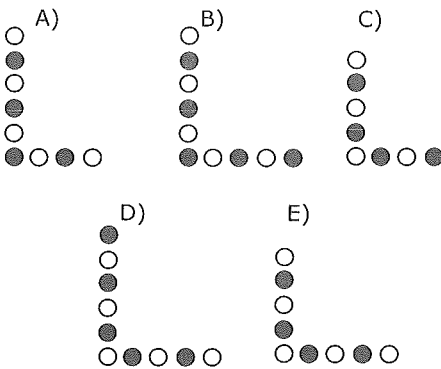
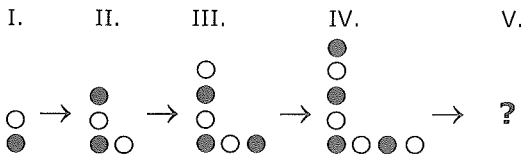
YANITLAR / ANSWERS

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

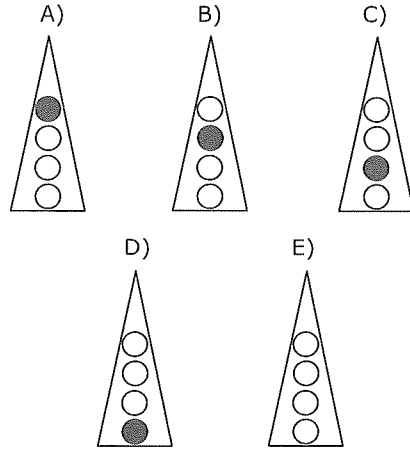
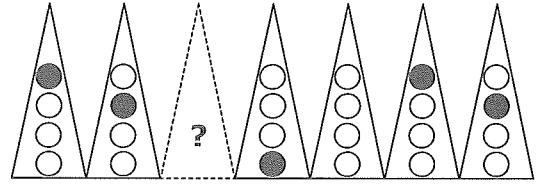
1.



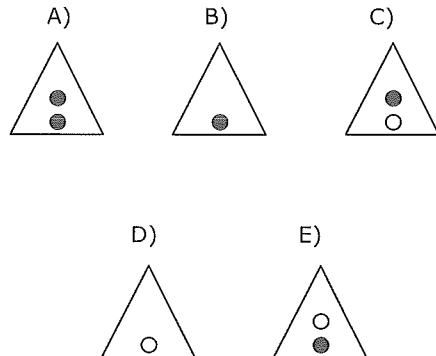
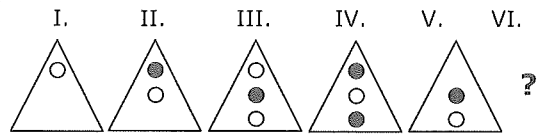
2.



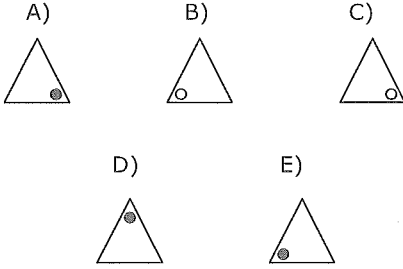
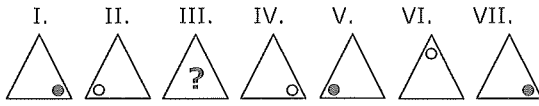
3.



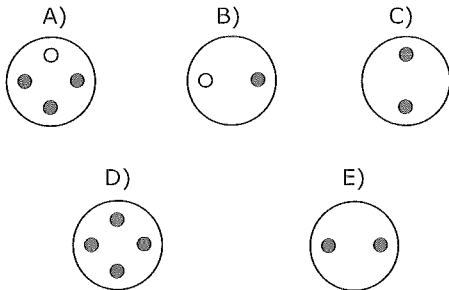
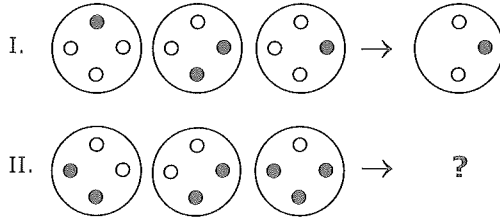
4.



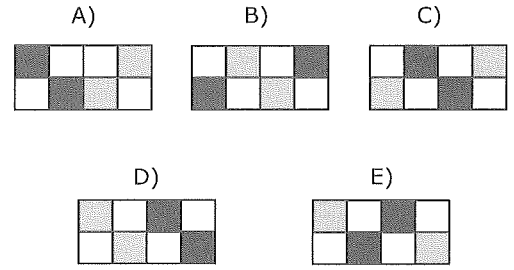
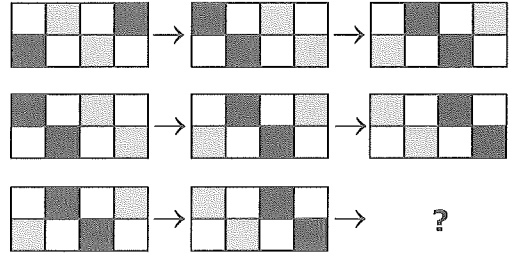
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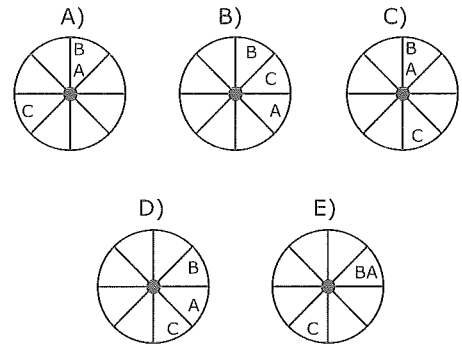
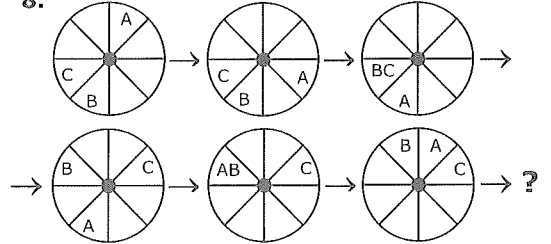
6.



7.



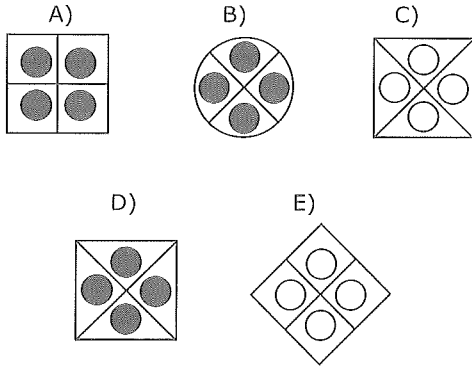
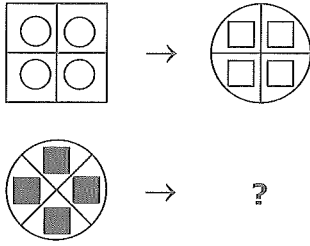
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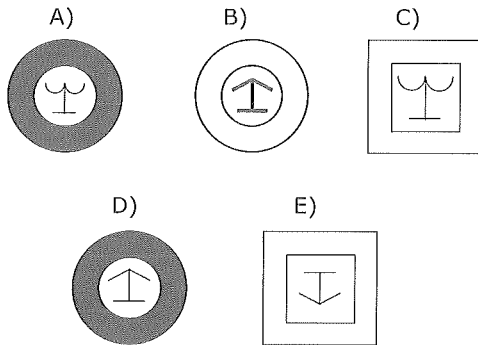
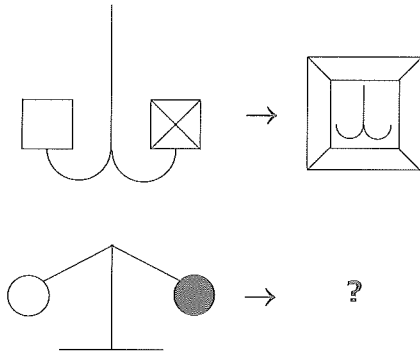
YANITLAR / ANSWERS

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

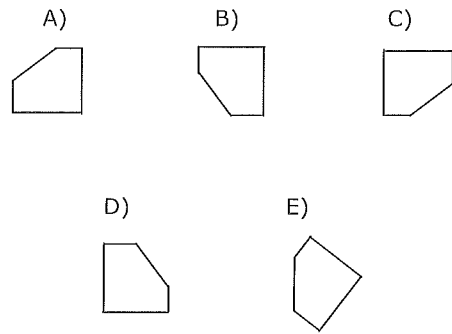
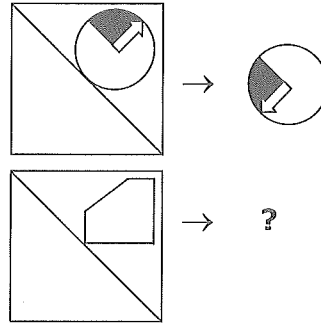
1.



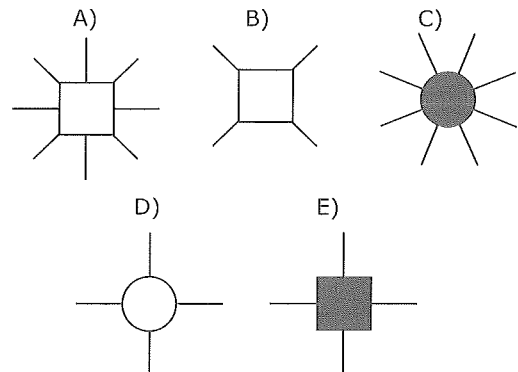
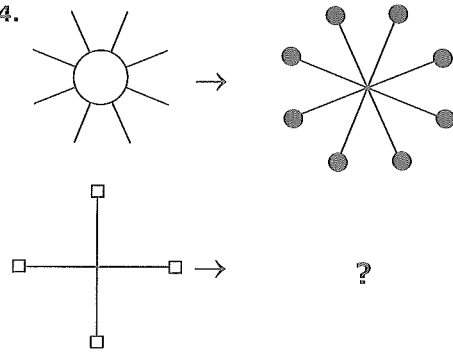
2.



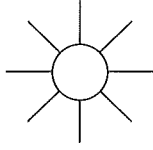
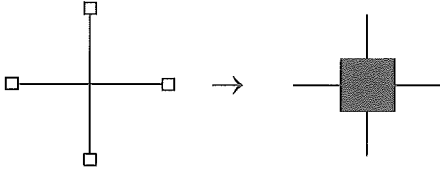
3.



4.

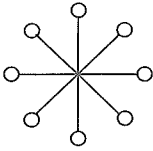


5.

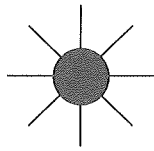


?

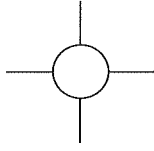
A)



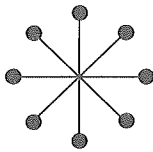
B)



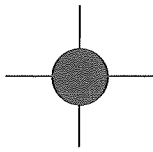
C)



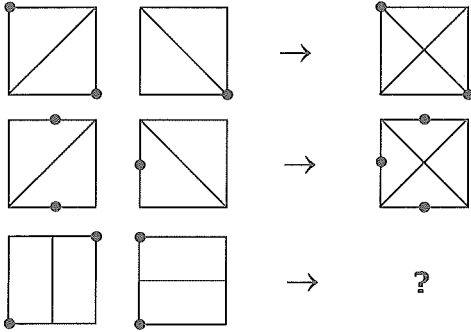
D)



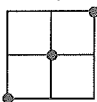
E)



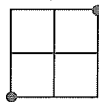
6.



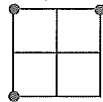
A)



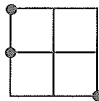
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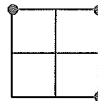
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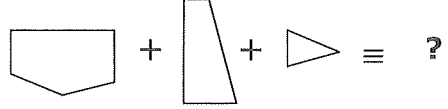
D)



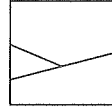
E)



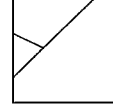
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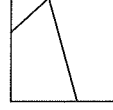
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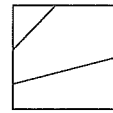
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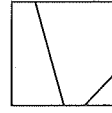
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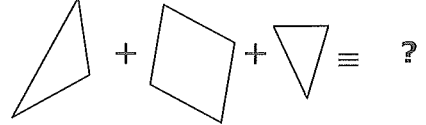
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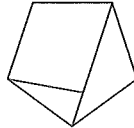
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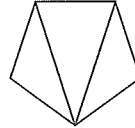
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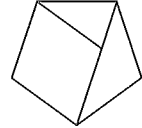
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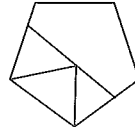
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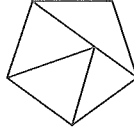
C)



D)



E)



YANITLAR / ANSWERS

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

1.

I.

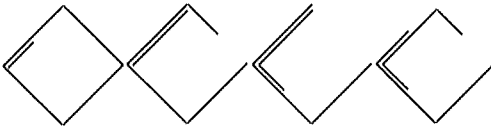
II.

III.

IV.

V

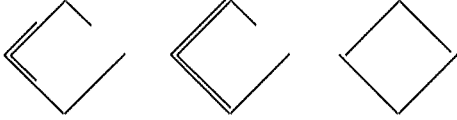
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A)

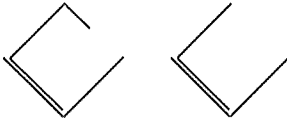
B)

C)



D)

E)



2.

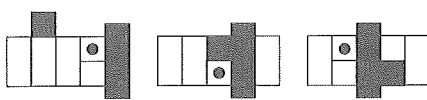
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II.

III.

IV.

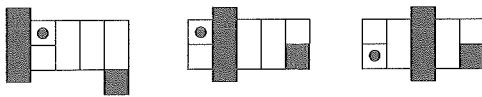
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A)

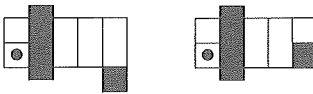
B)

C)



D)

E)



3.

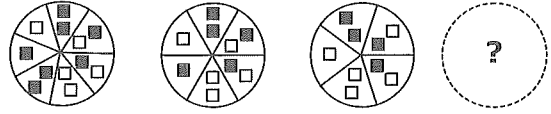
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II.

III.

IV.

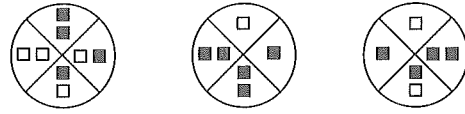
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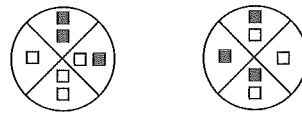
B)

C)



D)

E)



4.

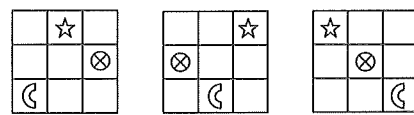
I.

II.

III.

IV.

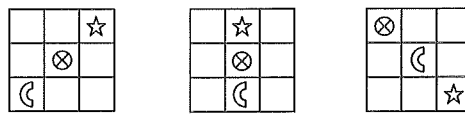
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A)

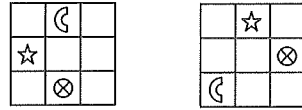
B)

C)

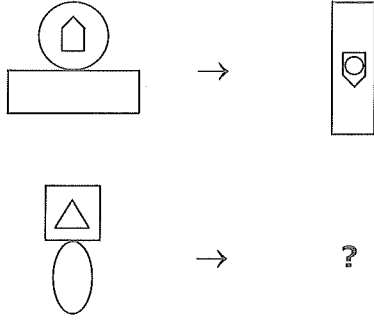


D)

E)

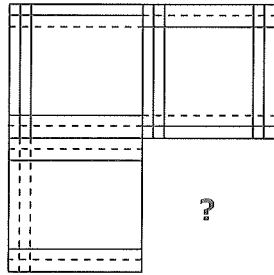


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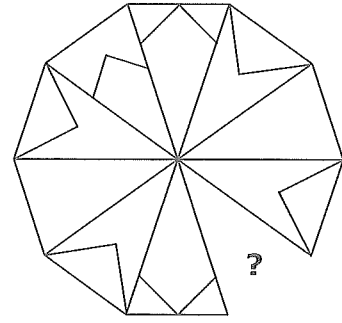
- A) B) C)
D) E)

6.



- A) B) C)
D) E)

7.



- A) B) C)
D) E)

8.

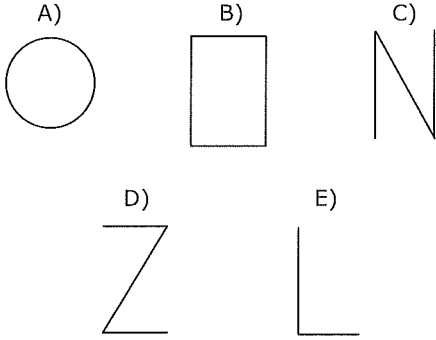
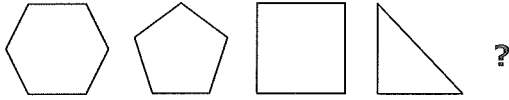


- A) B) C)
D) E)

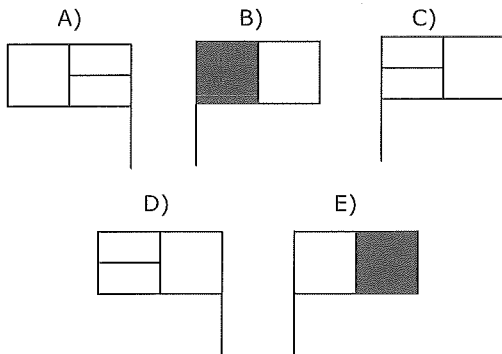
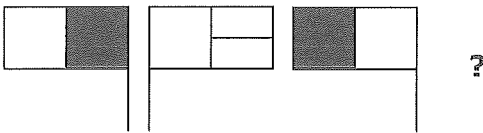
YANITLAR / ANSWERS

1.D 2.D 3.D 4.E 5.D 6.E 7.D 8.A

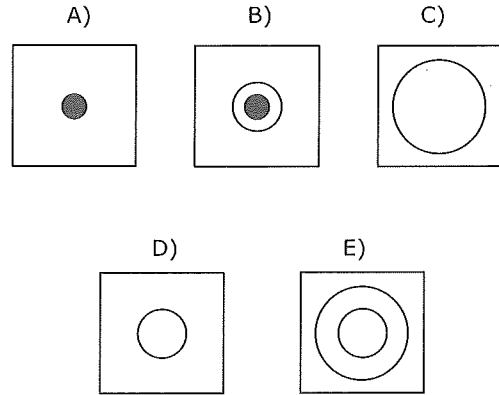
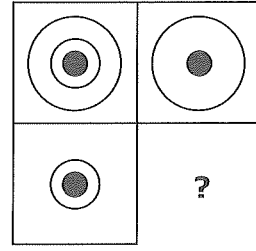
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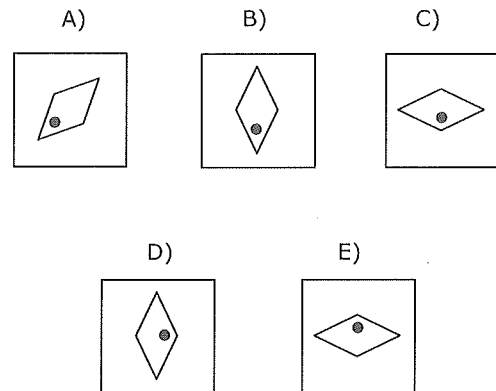
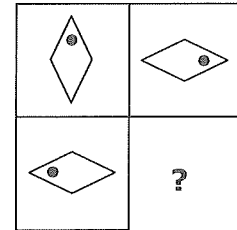
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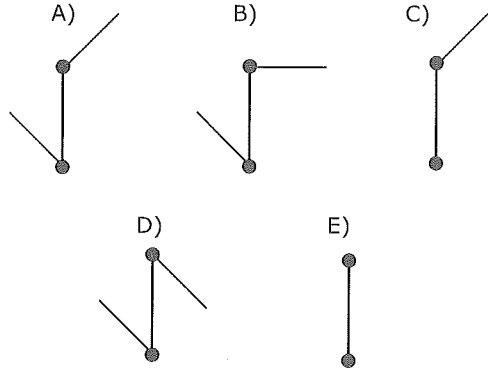
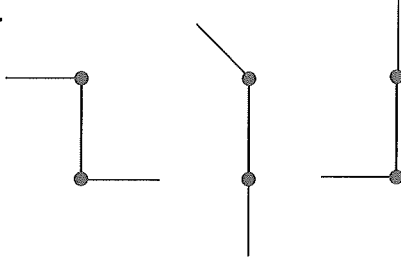
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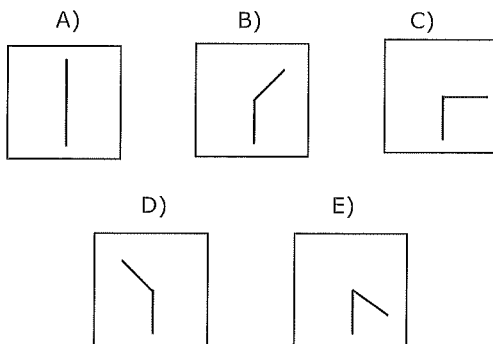
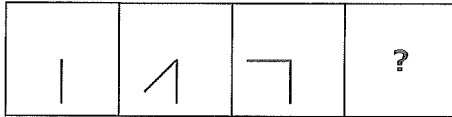
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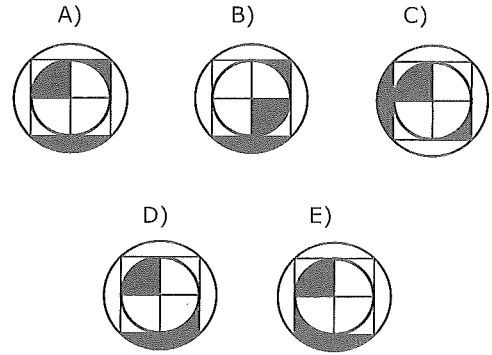
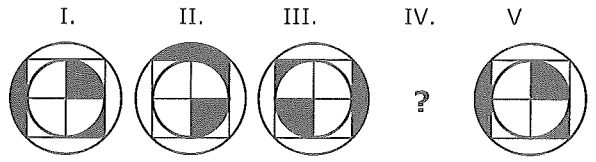
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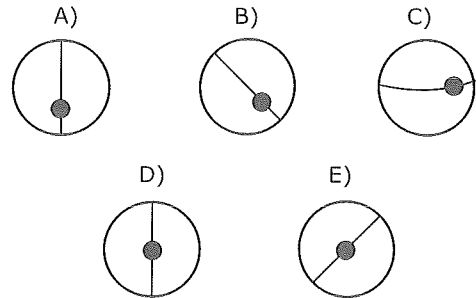
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7.



8.

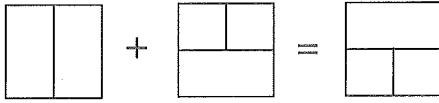


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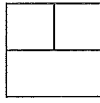
YANITLAR / ANSWERS

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

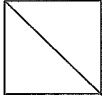
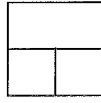
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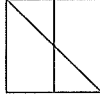
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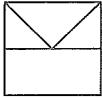
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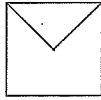
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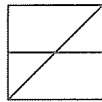
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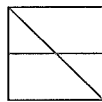
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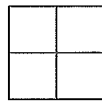
A)



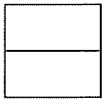
B)



C)



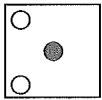
D)



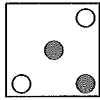
E)



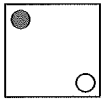
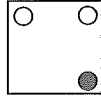
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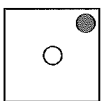
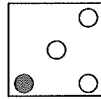
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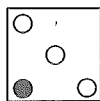
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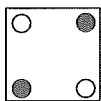
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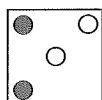
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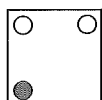
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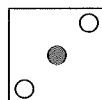
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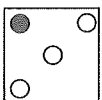
B)



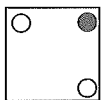
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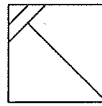
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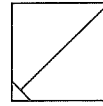
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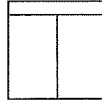
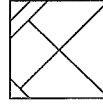
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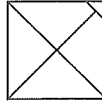
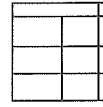
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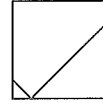
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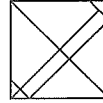
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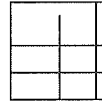
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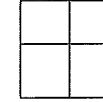
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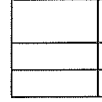
A)



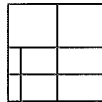
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C)



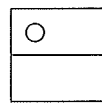
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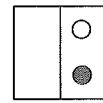
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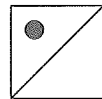
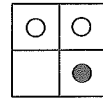
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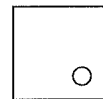
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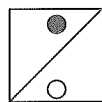
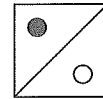
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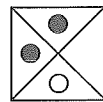
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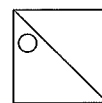
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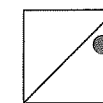
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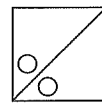
A)



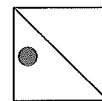
B)



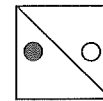
C)



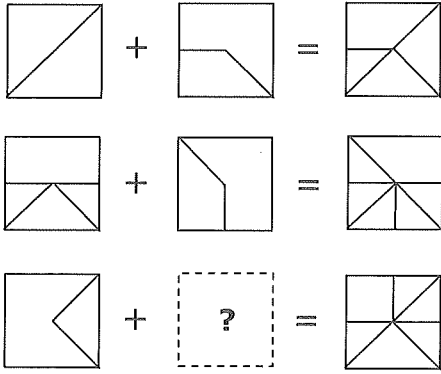
D)



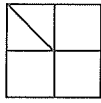
E)



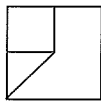
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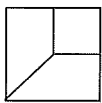
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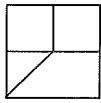
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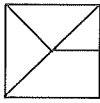
C)



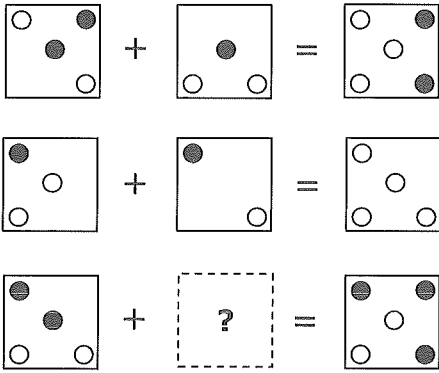
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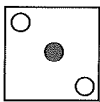
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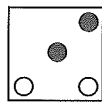
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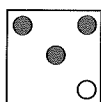
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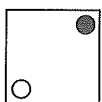
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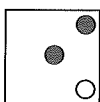
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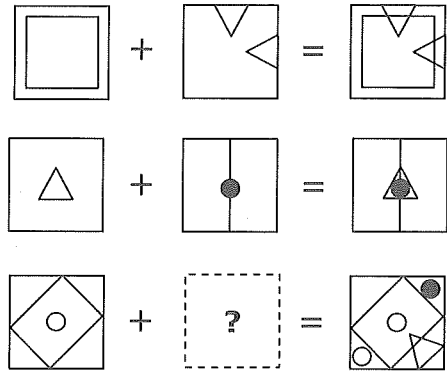
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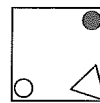
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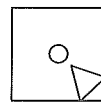
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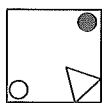
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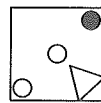
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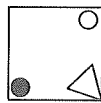
C)



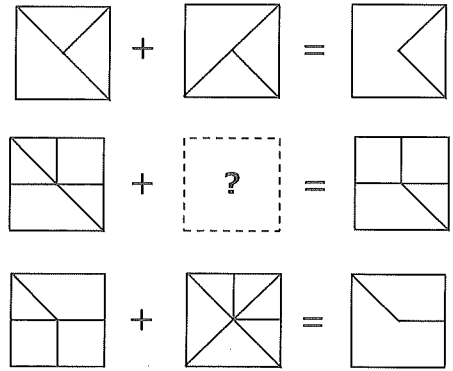
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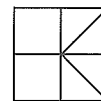
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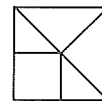
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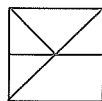
A)



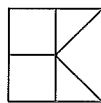
B)



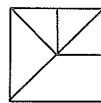
C)



D)



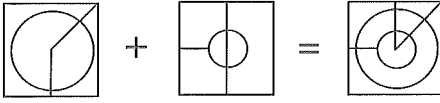
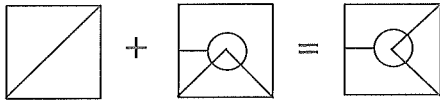
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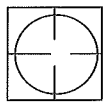
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1.D 2.A 3.C 4.D 5.D 6.E 7.C 8.A

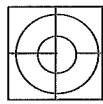
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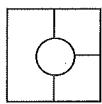
A)



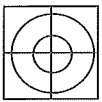
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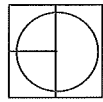
C)



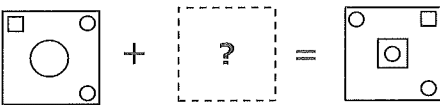
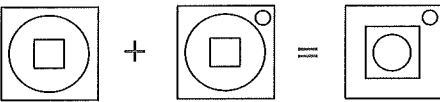
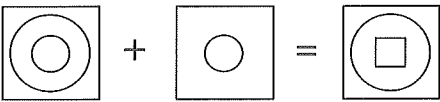
D)



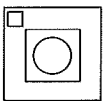
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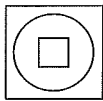
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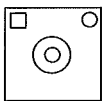
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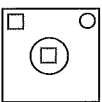
B)



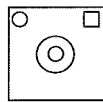
C)



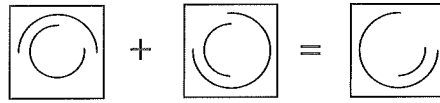
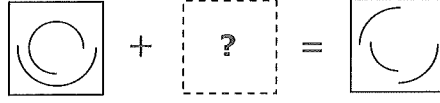
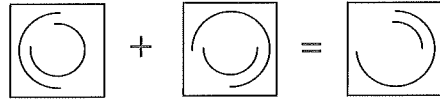
D)



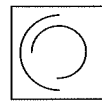
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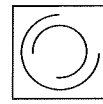
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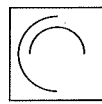
A)



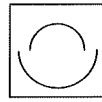
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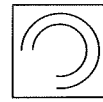
C)



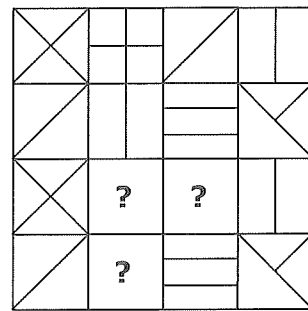
D)



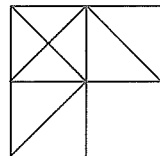
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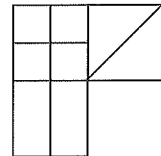
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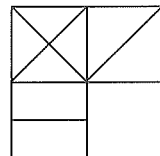
A)



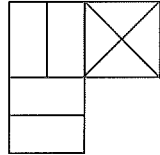
B)



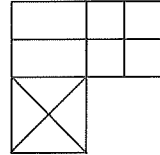
C)



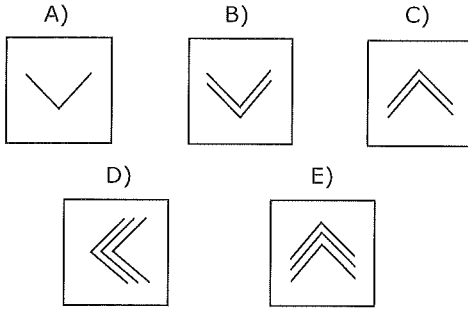
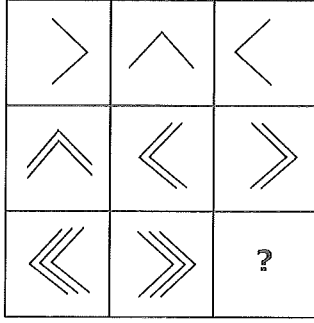
D)



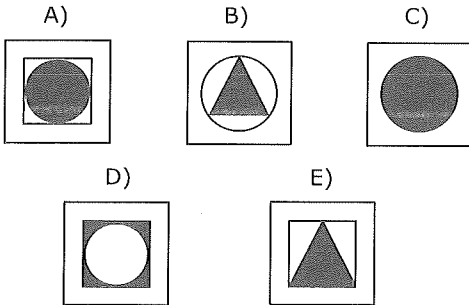
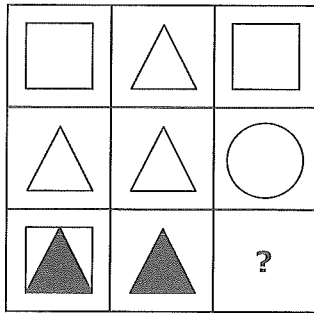
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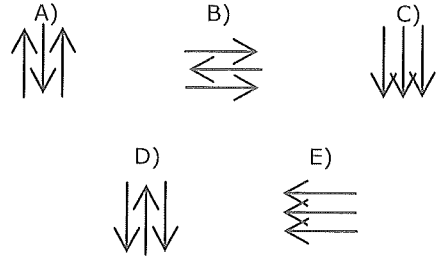
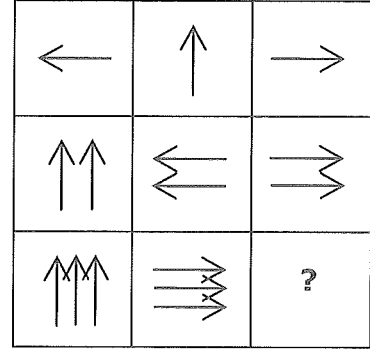
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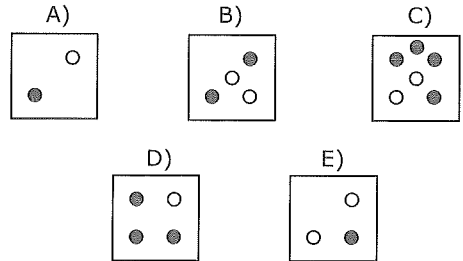
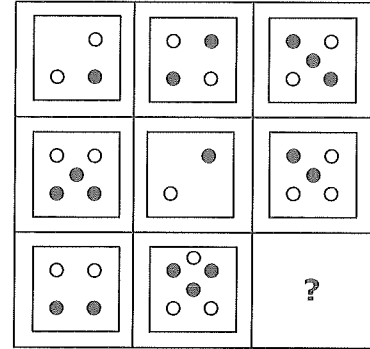
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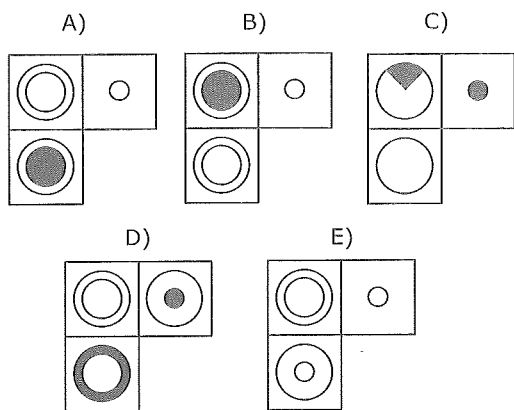
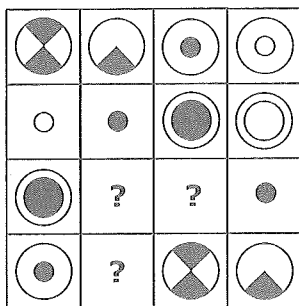
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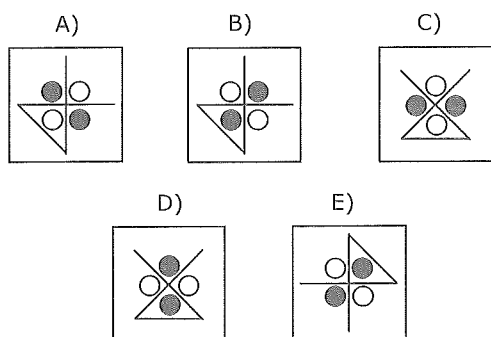
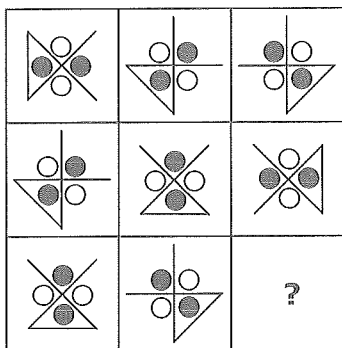
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1.B 2.C 3.C 4.B 5.E 6.A 7.E 8.A

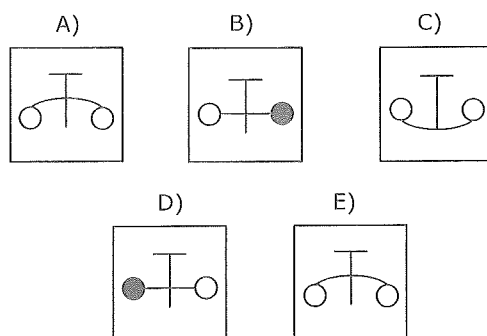
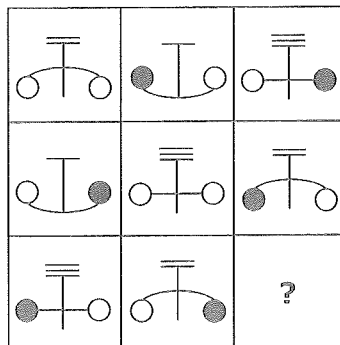
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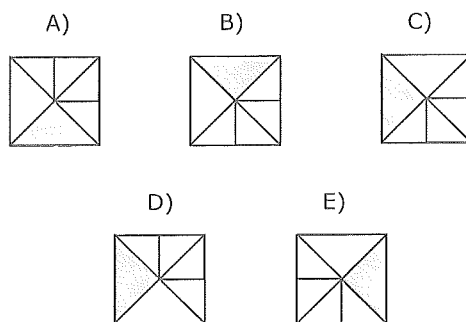
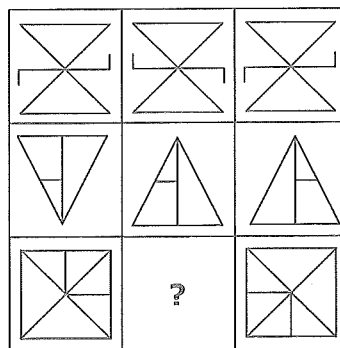
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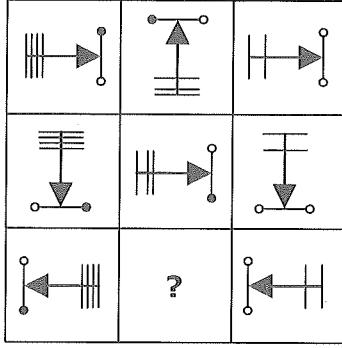
3.



4.



5.



A)



B)



C)



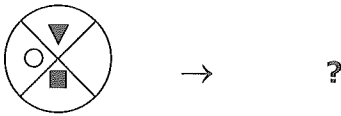
D)



E)



6.



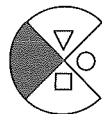
A)



B)



C)



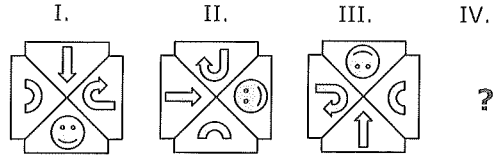
D)



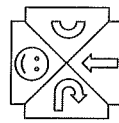
E)



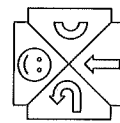
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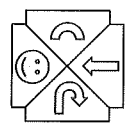
A)



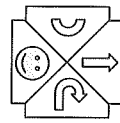
B)



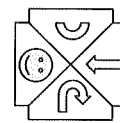
C)



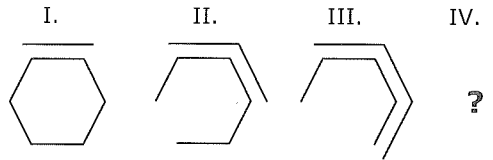
D)



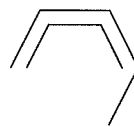
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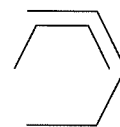
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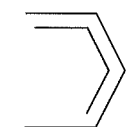
A)



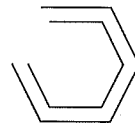
B)



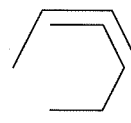
C)



D)



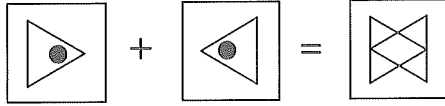
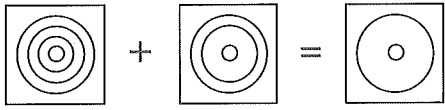
E)



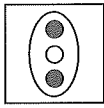
YANITLAR / ANSWERS

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

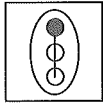
1.



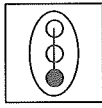
A)



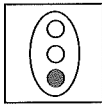
B)



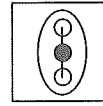
C)



D)

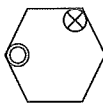


E)

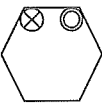


2.

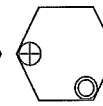
I.



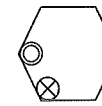
II.



III.



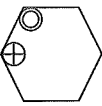
IV.



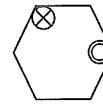
V

?

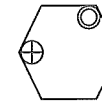
A)



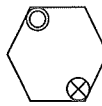
B)



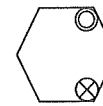
C)



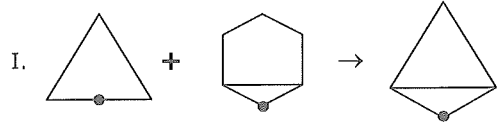
D)



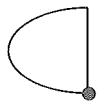
E)



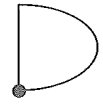
3.



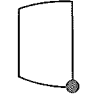
A)



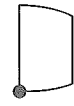
B)



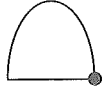
C)



D)

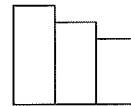


E)

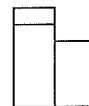


4.

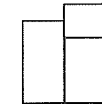
I.



II.



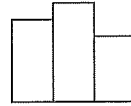
III.



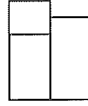
IV.

?

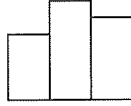
A)



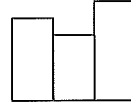
B)



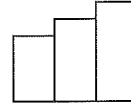
C)



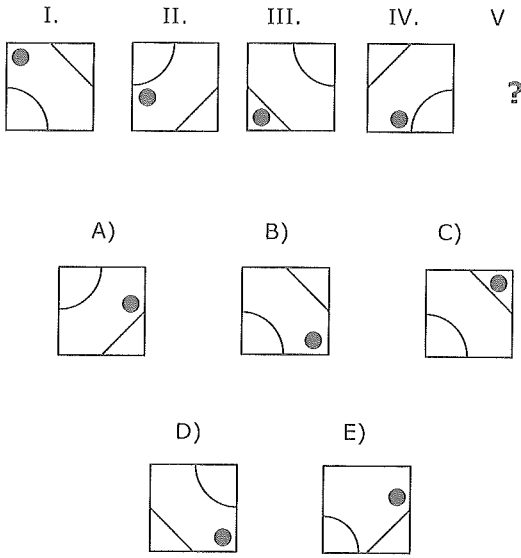
D)



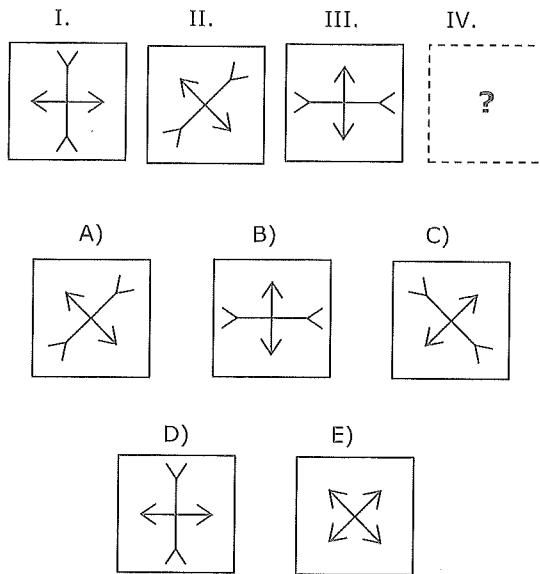
E)



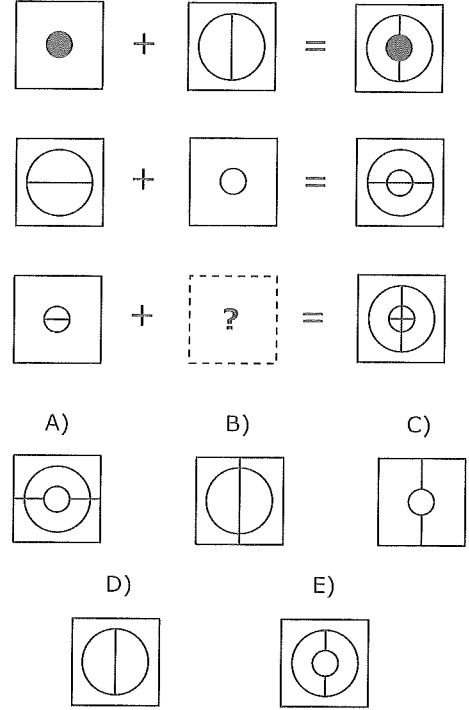
5.



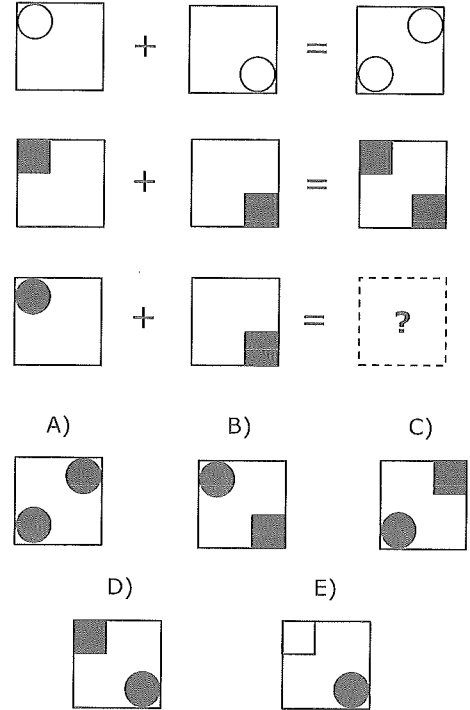
6.



7.



8.

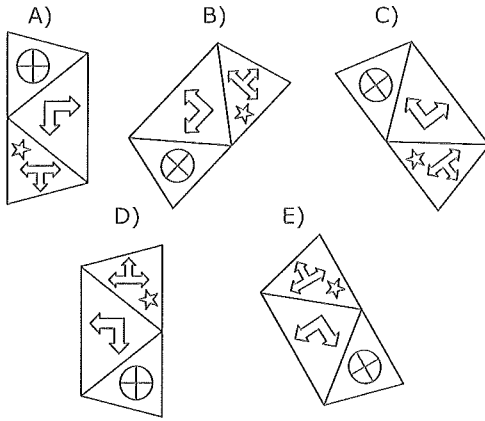


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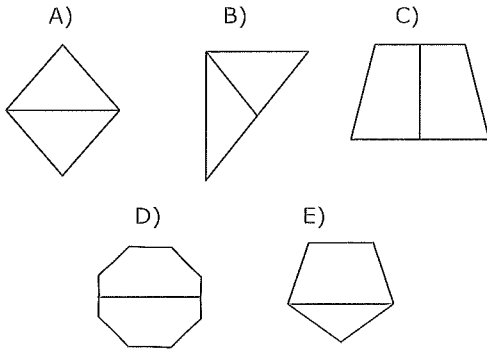
1.C 2.E 3.C 4.D 5.B 6.C 7.D 8.B

Find the different figure in the following questions below.

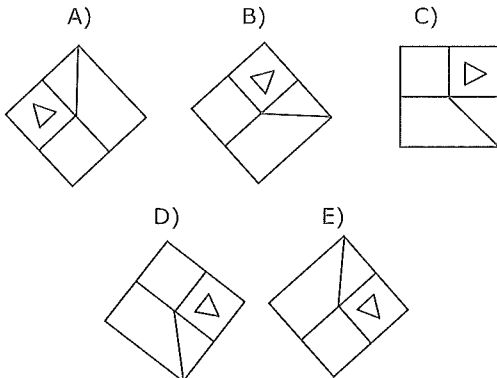
1.



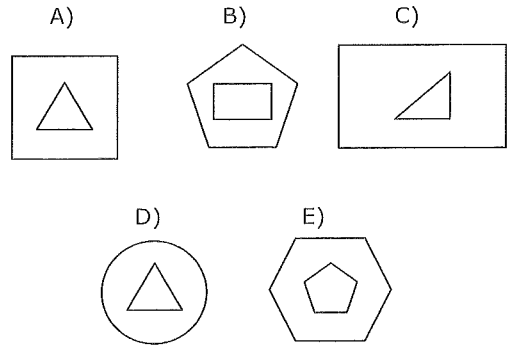
2.



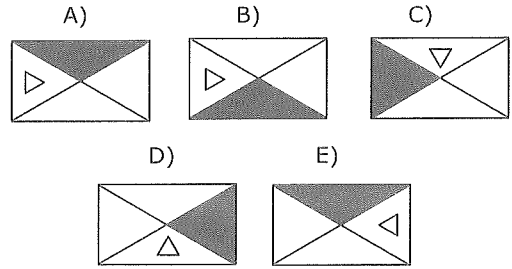
3.



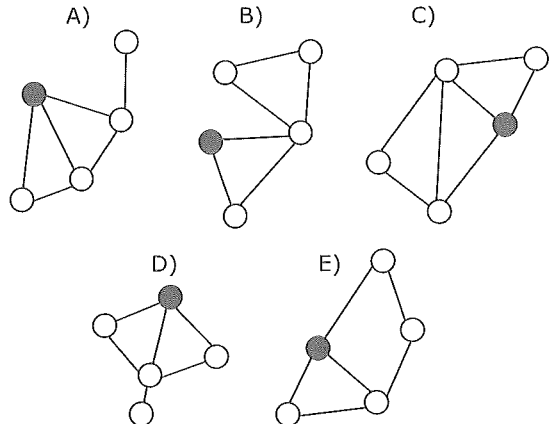
4.



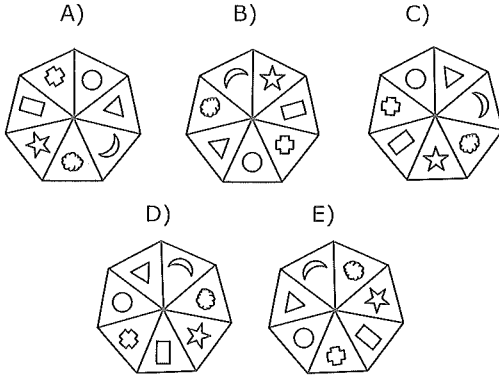
5.



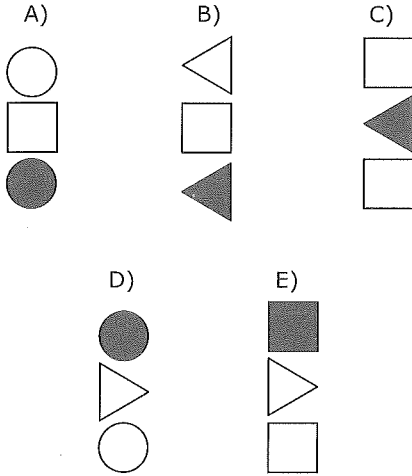
6.



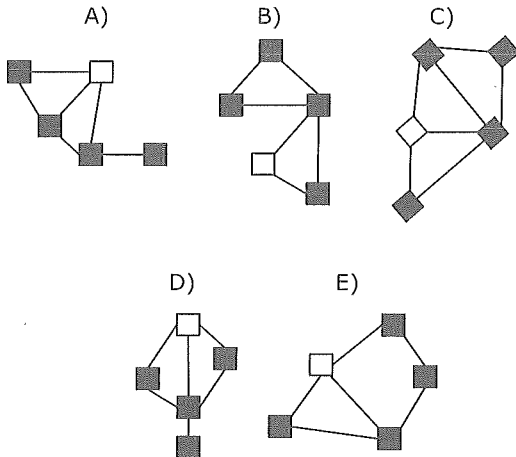
7.



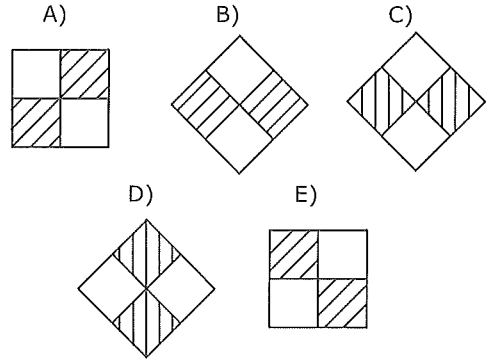
8.



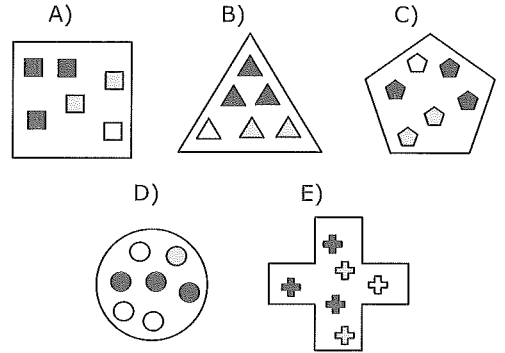
9.



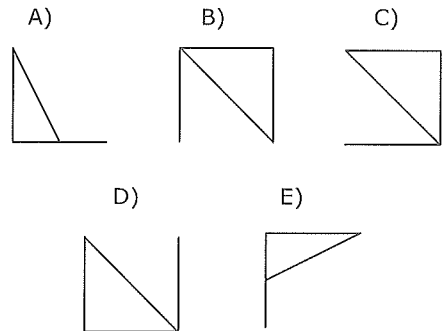
10.



11.



12.

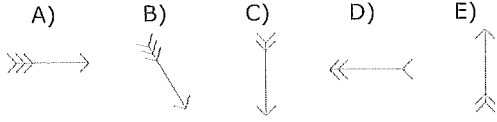


YANITLAR / ANSWERS					
1.A	2.E	3.E	4.D	5.B	6.B
7.A	8.C	9.B	10.B	11.D	12.D

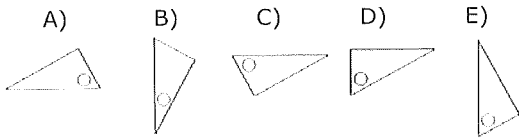
Aşağıdaki sorularda farklı olan şekli bulunuz.

Find the different figure in the following questions below.

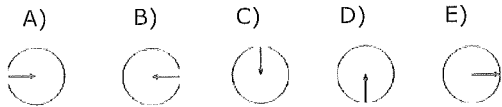
1.



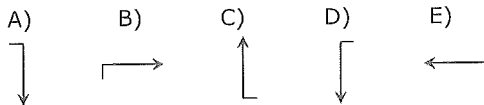
2.



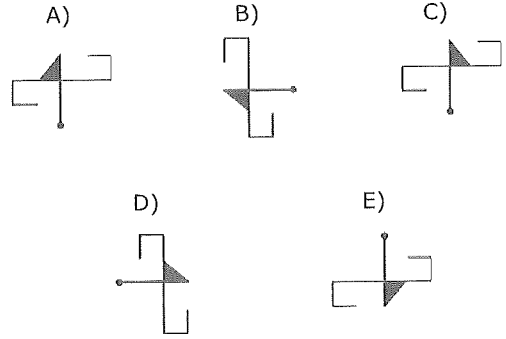
3.



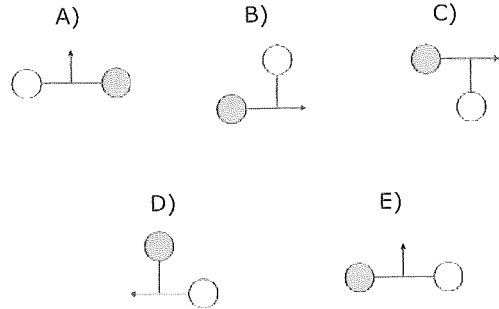
4.



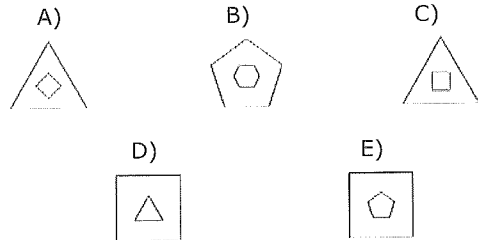
5.



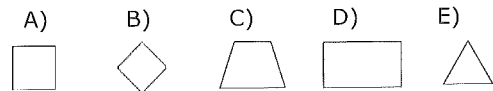
6.



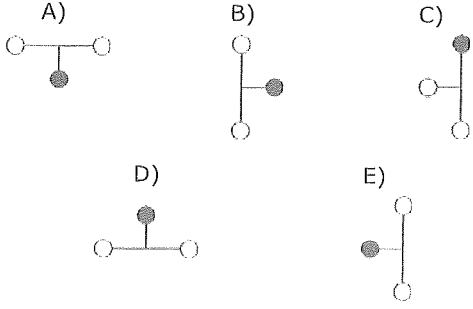
7.



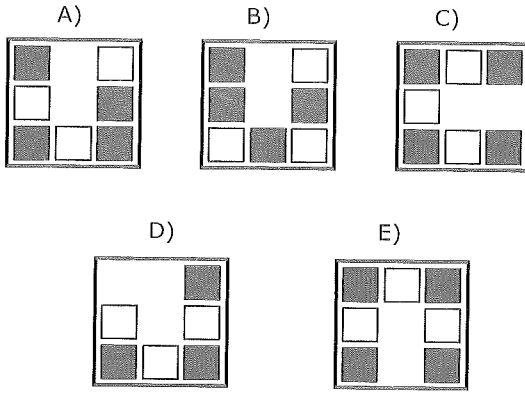
8.



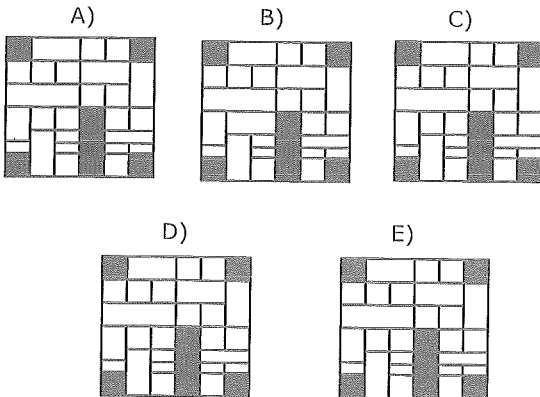
9.



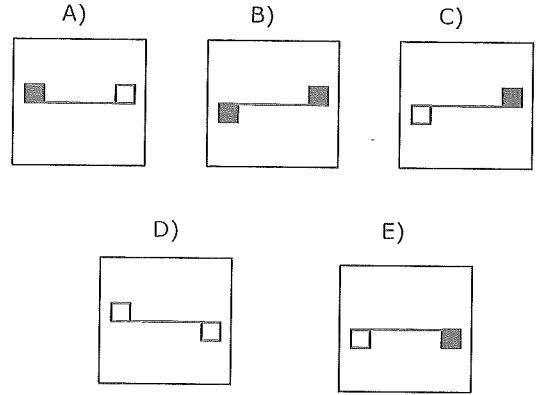
10.



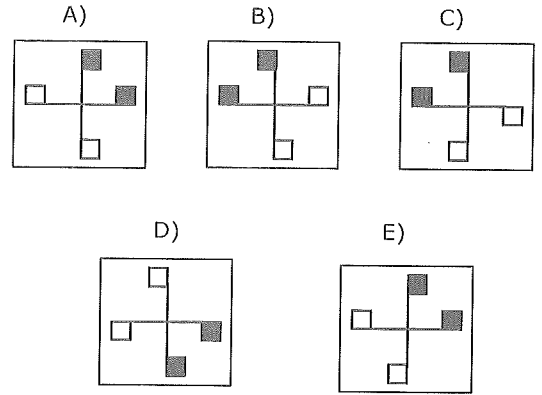
11.



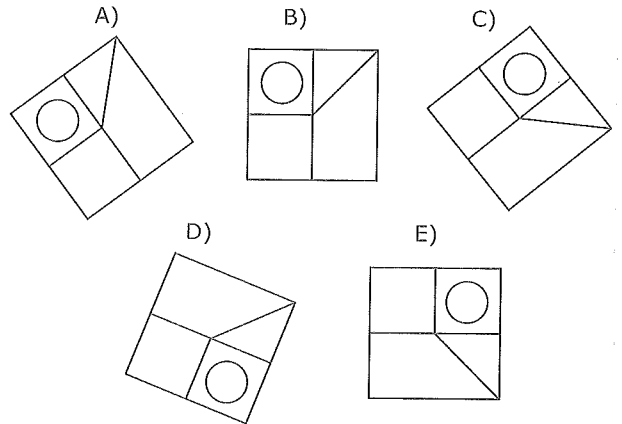
12.



13.



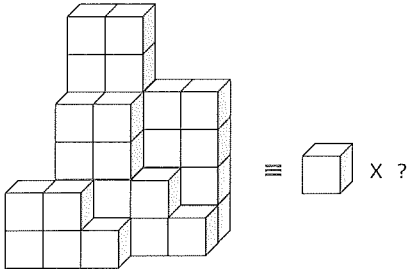
14.



YANITLAR / ANSWERS

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

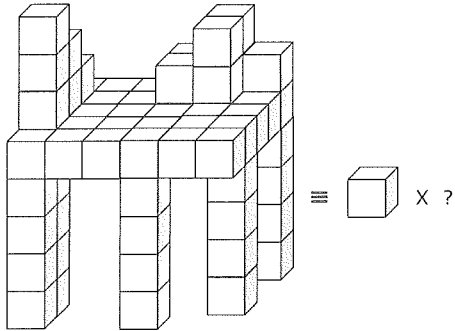
1.



Yukarıdaki şekilde kaç küp vardır?
How many cubes are in the figure above?

- A) 33 B) 34 C) 35 D) 36 E) 37

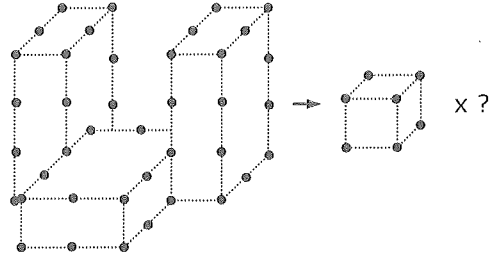
2.



Yukarıdaki şekilde kaç küp vardır?
How many cubes are in the figure above?

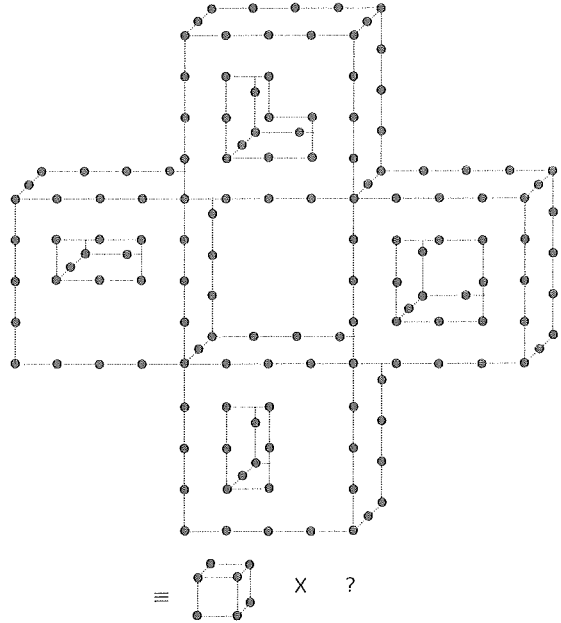
- A) 59 B) 61 C) 63 D) 65 E) 67

3.



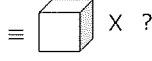
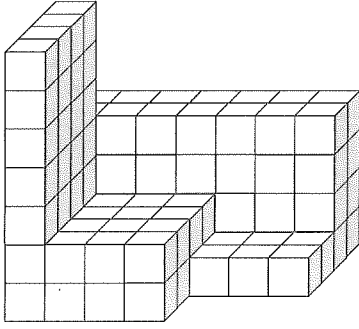
- A) 12 B) 14 C) 16 D) 18 E) 20

4.



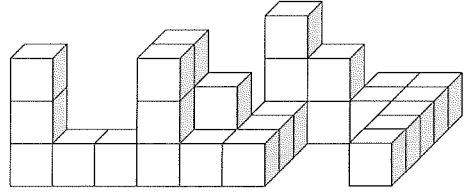
- A) 102 B) 104 C) 106 D) 108 E) 110

5.



- A) 110 B) 112 C) 114 D) 116 E) 118

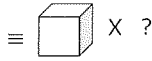
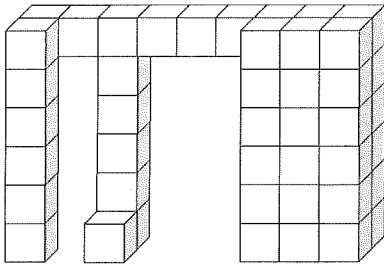
7.



Yukarıdaki şekilde kaç tane küp vardır?
How many cubes are in the figure above?

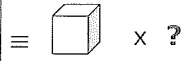
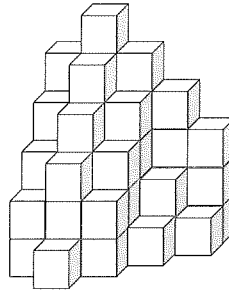
- A) 27 B) 28 C) 29 D) 30 E) 31

6.



- A) 52 B) 53 C) 54 D) 55 E) 56

8.

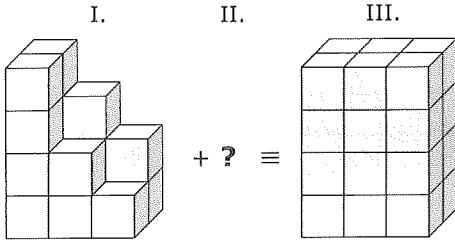


- A) 56 B) 58 C) 60 D) 62 E) 64

YANITLAR / ANSWERS

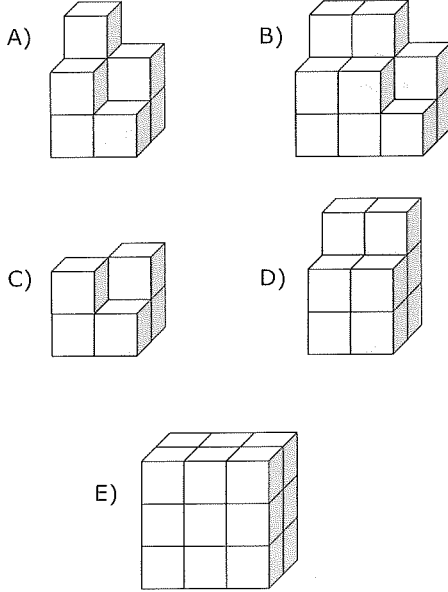
1.D 2.C 3.D 4.C 5.C 6.C 7.C 8.B

1.

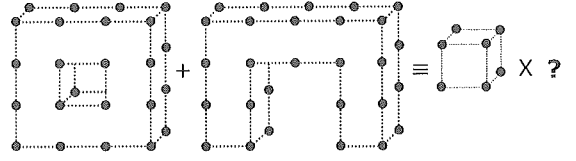


I deki cisim aşağıdakilerden hangisiyle tamamlanırsa III deki cisim elde edilir?

Which of the following will turn the object in I into the object in III ?

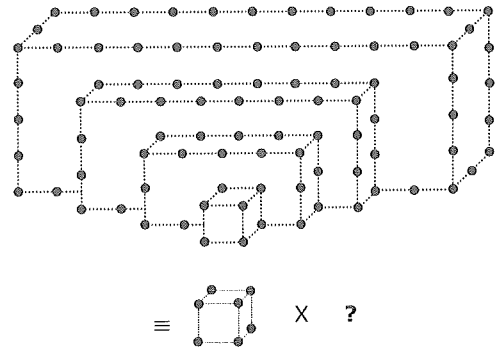


2.



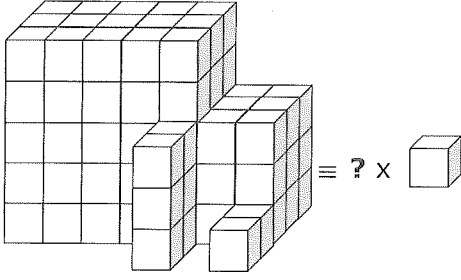
- A) 14 B) 16 C) 18 D) 20 E) 22

3.



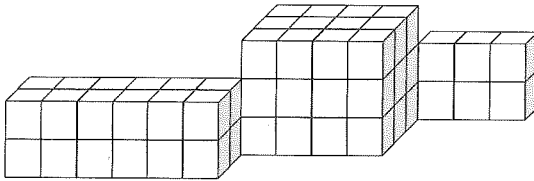
- A) 117 B) 118 C) 119 D) 120 E) 121

4.



- A) 99 B) 100 C) 101 D) 102 E) 103

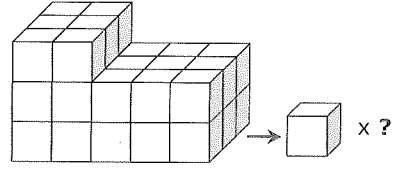
5.



Yukarıdaki şekilde kaç tane küp vardır?
How many cubes are in the figure above?

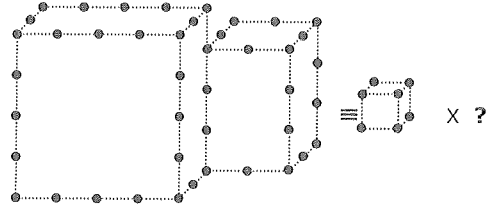
- A) 48 B) 56 C) 66 D) 72 E) 96

6.



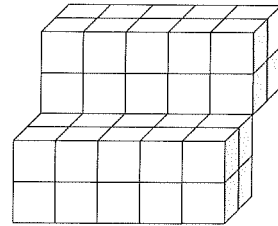
- A) 24 B) 28 C) 30 D) 32 E) 36

7.



- A) 20 B) 36 C) 44 D) 48 E) 50

8.



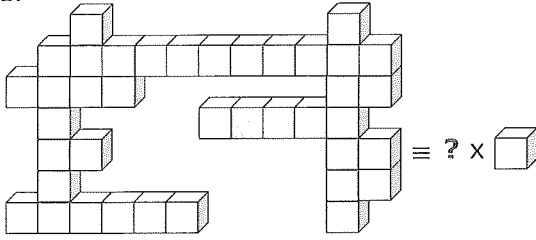
Yukarıdaki şekilde kaç küp vardır?
How many cubes are in the figure above?

- A) 20 B) 30 C) 40 D) 50 E) 60

YANITLAR / ANSWERS

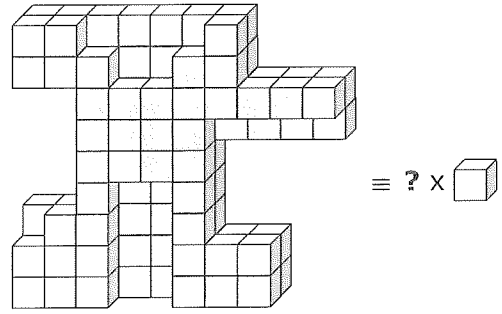
1.A 2.B 3.B 4.C 5.C 6.E 7.C 8.C

1.



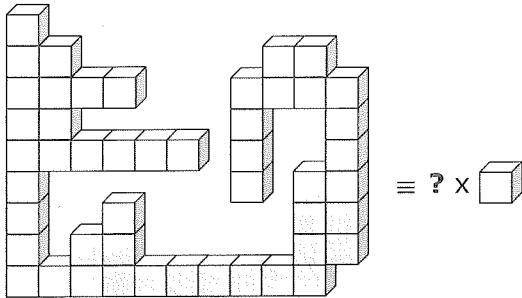
- A) 38 B) 39 C) 40 D) 41 E) 42

3.



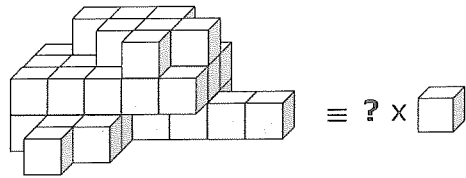
- A) 99 B) 100 C) 101 D) 102 E) 103

2.



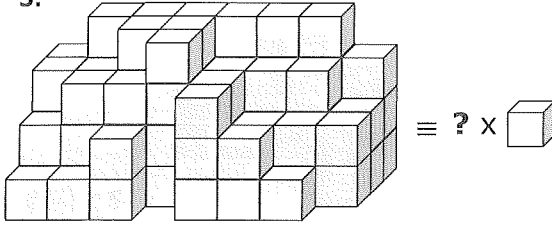
- A) 46 B) 47 C) 48 D) 49 E) 50

4.



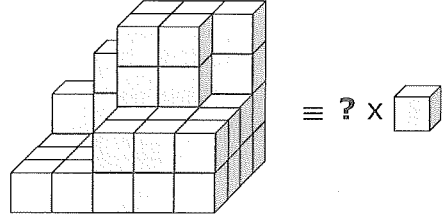
- A) 34 B) 36 C) 38 D) 40 E) 42

5.



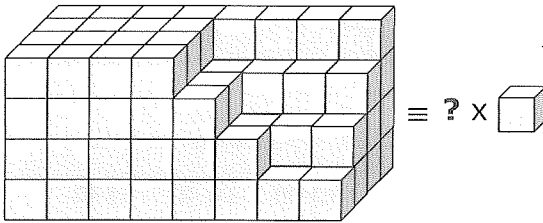
- A) 80 B) 82 C) 86 D) 90 E) 94

7.



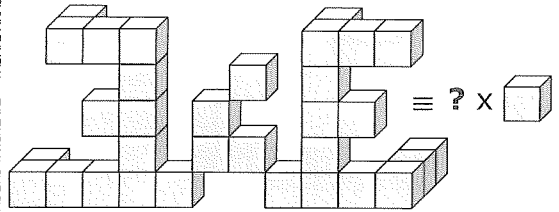
- A) 44 B) 45 C) 46 D) 47 E) 48

6.



- A) 100 B) 102 C) 104 D) 108 E) 110

8.

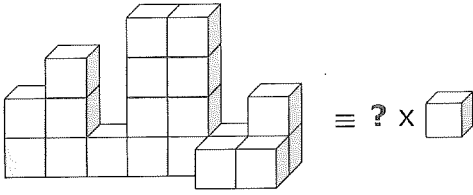


- A) 30 B) 31 C) 32 D) 33 E) 34

YANITLAR / ANSWERS

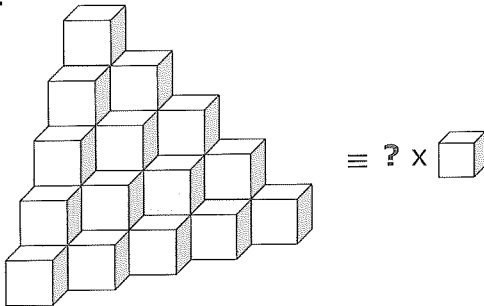
1.B 2.C 3.C 4.D 5.C 6.D 7.B 8.C

1.



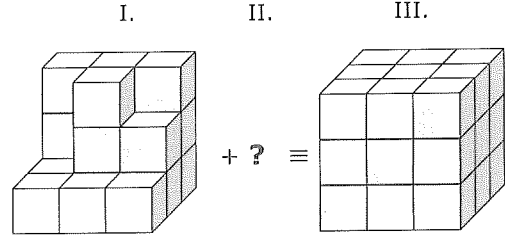
- A) 12 B) 14 C) 16 D) 19 E) 21

2.



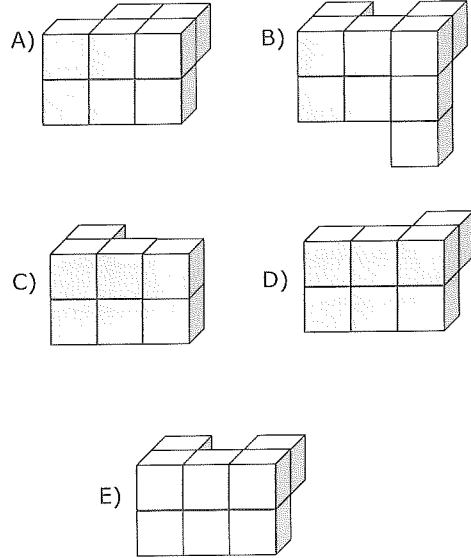
- A) 25 B) 27 C) 30 D) 32 E) 35

3.

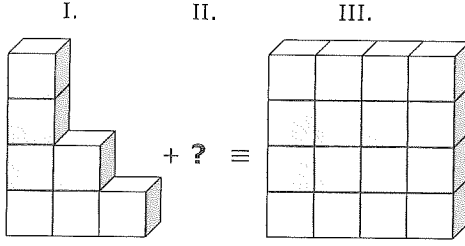


I deki cisim aşağıdakilerden hangisiyle tamamlanırsa III deki cisim elde edilir?

Which of the following will turn the object in I into the object in III ?

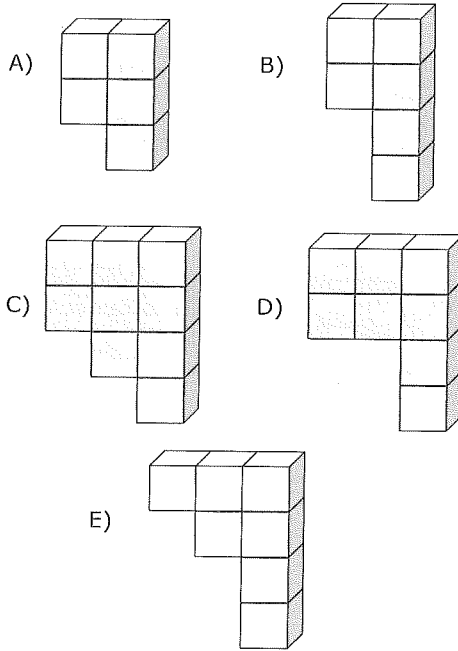


4.

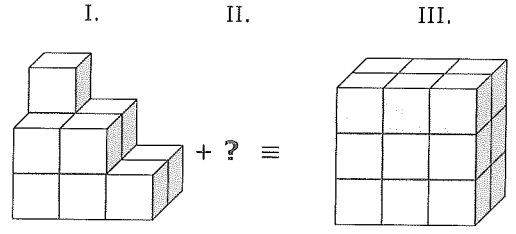


I deki cisim aşağıdakilerden hangisiyle tamamlanırsa III deki cisim elde edilir?

Which of the following will turn the object in I into the object in III ?

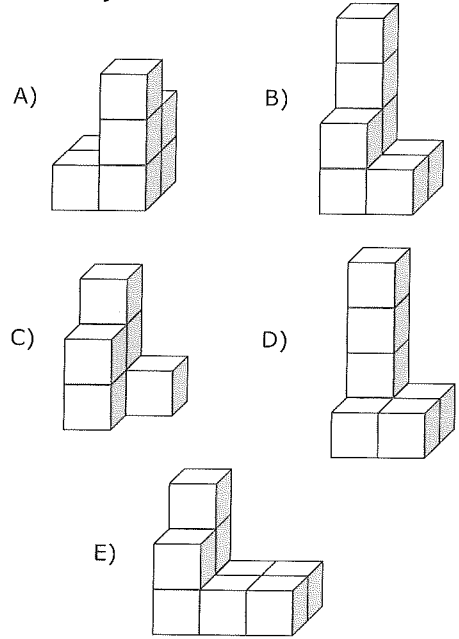


5.



I deki cisim aşağıdakilerden hangisiyle tamamlanırsa III deki cisim elde edilir?

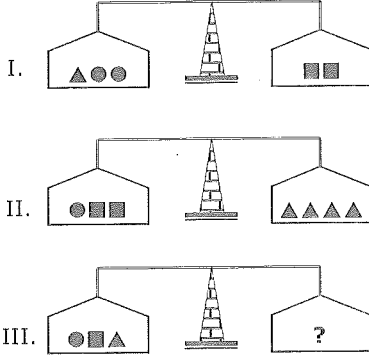
Which of the following will turn the object in I into the object in III ?



YANITLAR / ANSWERS

1.D 2.E 3.E 4.C 5.A

1.

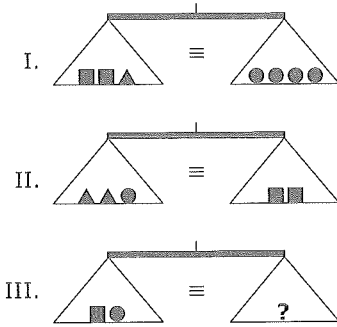


I., II. ve III. eşit kollu teraziler dengede olduğuna göre, III. terazinin boş kefesine aşağıdakilerden hangisinde verilen kütleler konulursa terazi dengeye gelir?

In accordance with I, II and III which group of the masses below, when placed on the empty tray in III, will make the scale balance?

- A) ●●■ B) ▲▲▲● C) ■■
D) ▲▲●● E) ■▲▲●

2.

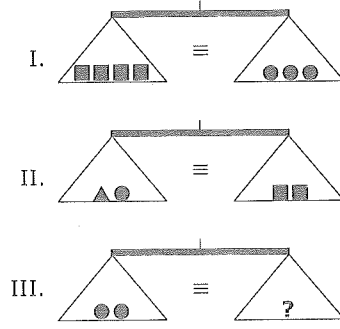


Yukarıdaki terazilerin üçü de dengede olduğuna göre, III. terazide soru işareti aşağıdakilerden hangisini göstermektedir?

All three scales above are in balance. Which of the following does the question mark stand for in the third scale?

- A) ▲●■ B) ●▲ C) ▲■
D) ■■ E) ●●▲

3.

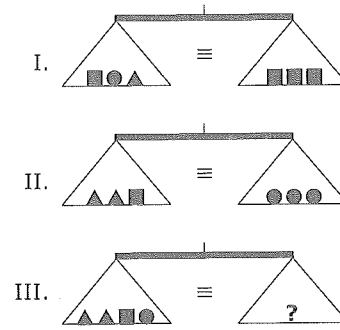


Yukarıdaki terazilerin üçü de dengede olduğuna göre, III. terazide soru işareti aşağıdakilerden hangisini göstermektedir?

All three scales above are in balance. Which of the following does the question mark stand for in the third scale?

- A) ■■■ B) ▲▲● C) ▲▲▲
D) ■■▲ E) ■▲▲

4.

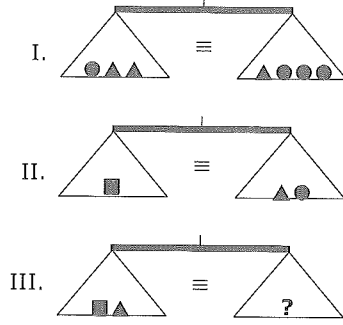


Yukarıdaki terazilerin üçü de dengede olduğuna göre, III. terazide soru işareti aşağıdakilerden hangisini göstermektedir?

All three scales above are in balance. Which of the following does the question mark stand for in the third scale?

- A) ●●■■ B) ●●●■▲ C) ●●▲▲▲
D) ▲▲▲■■ E) ■■■■

5.

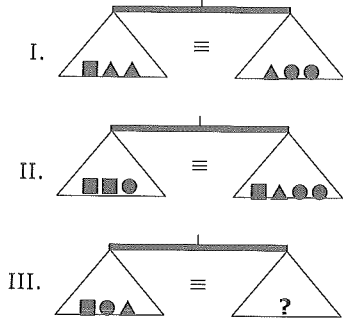


Yukarıdaki terazilerin üçü de dengede olduğuna göre, III. terazide soru işareti aşağıdakilerden hangisini göstermektedir?

All three scales above are in balance. Which of the following does the question mark stand for in the third scale?

- A) ●●●● B) ●▲▲▲ C) ▲▲●●
D) ●■ ■ E) ●▲▲

6.

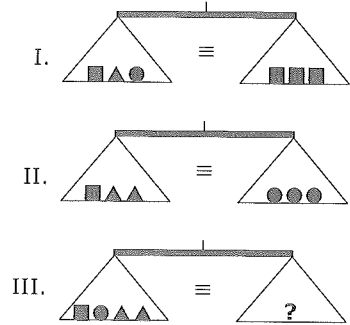


Yukarıdaki terazilerin üçü de dengede olduğuna göre, III. terazide soru işareti aşağıdakilerden hangisini göstermektedir?

All three scales above are in balance. Which of the following does the question mark stand for in the third scale?

- A) ■▲▲● B) ▲●●■ C) ■▲▲▲
D) ▲●●● E) ■■▲

7.

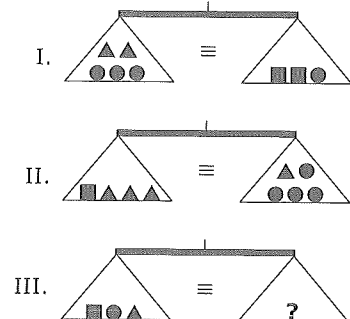


Yukarıdaki terazilerin üçü de dengede olduğuna göre, III. terazide soru işareti aşağıdakilerden hangisini göstermektedir?

All three scales above are in balance. Which of the following does the question mark stand for in the third scale?

- A) ●●■ ■ B) ●●●■▲ C) ●●▲▲▲
D) ▲▲▲■ ■ E) ■■ ■

8.



Yukarıdaki terazilerin üçü de dengede olduğuna göre, III. terazide soru işareti aşağıdakilerden hangisini göstermektedir?

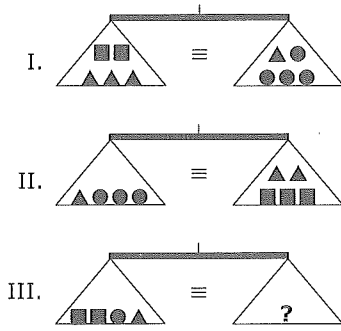
All three scales above are in balance. Which of the following does the question mark stand for in the third scale?

- A) ●●●■ B) ●▲▲■ C) ●●▲▲
D) ●▲■ ■ E) ■■ ■

ANITLAR / ANSWERS

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

1.

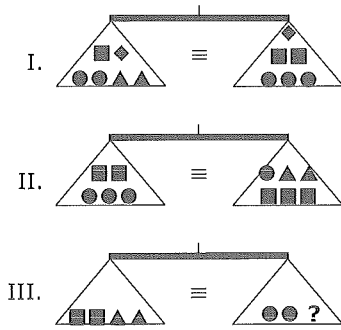


Yukarıdaki terazilerin üçü de dengede olduğuna göre, III. terazide soru işareti aşağıdakilerden hangisini göstermektedir?

All three scales above are in balance. Which of the following does the question mark stand for in the third scale?

- A) ●▲▲■ B) ●●▲■ C) ●●●■
D) ▲●●● E) ■■▲▲●

2.

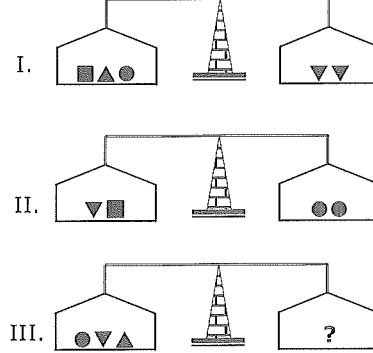


Yukarıdaki terazilerin üçü de dengede olduğuna göre, III. terazide soru işareti aşağıdakilerden hangisini göstermektedir?

All three scales above are in balance. Which of the following does the question mark stand for in the third scale?

- A) ■ B) ●▲ C) ●■
D) ▲ E) ■▲●

3.

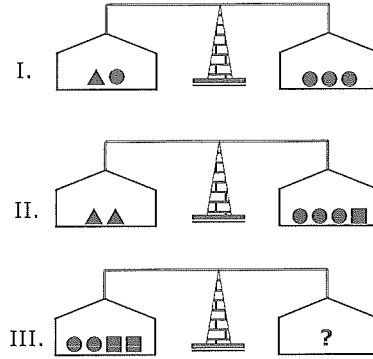


I., II. ve III. eşit kollu teraziler dengede olduğuna göre, III. terazinin boş kefesine aşağıdakilerden hangisinde verilen kütleler konulursa terazi dengeye gelir?

In accordance with I, II and III which group of the masses below, when placed on the empty tray in III, will make the scale balance?

- A) ●▲■ B) ▲■■■ C) ▲▲■■
D) ■■■▲▲ E) ■■■●●

4.

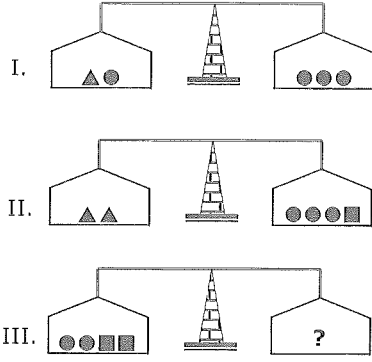


I., II. ve III. eşit kollu teraziler dengede olduğuna göre, III. terazinin boş kefesine aşağıdakilerden hangisinde verilen kütleler konulursa terazi dengeye gelir?

In accordance with I, II and III which group of the masses below, when placed on the empty tray in III, will make the scale balance?

- A) ▲▲ B) ▲▲■ C) ▲▲▲
D) ■▲▲▲ E) ▲▲▲●

5.

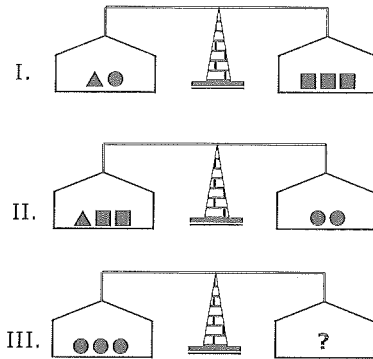


I., II. ve III. eşit kollu teraziler dengede olduğuna göre, III. terazinin boş kefesine aşağıdakilerden hangisinde verilen kütleler konulursa terazi dengeye gelir?

In accordance with I, II and III which group of the masses below, when placed on the empty tray in III, will make the scala balance?

- A) ■■■■ B) ■■■● C) ■■■●●●
D) ■■■●● E) ●●●●

6.

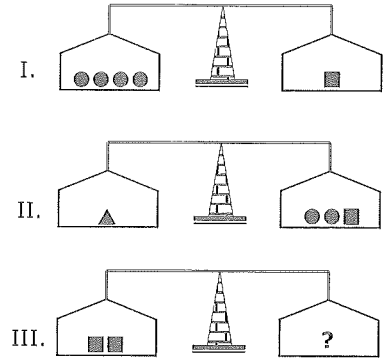


I., II. ve III. eşit kollu teraziler dengede olduğuna göre, III. terazinin boş kefesine aşağıdakilerden hangisinde verilen kütleler konulursa terazi dengeye gelir?

In accordance with I, II and III which group of the masses below, when placed on the empty tray in III, will make the scala balance?

- A) ▲▲■ B) ▲▲■■ C) ▲■■■■
D) ■■■■■ E) ■■■■

7.

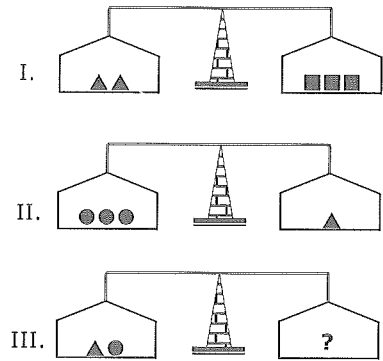


I., II. ve III. eşit kollu teraziler dengede olduğuna göre, III. terazinin boş kefesine aşağıdakilerden hangisinde verilen kütleler konulursa terazi dengeye gelir?

In accordance with I, II and III which group of the masses below, when placed on the empty tray in III, will make the scala balance?

- A) ●●● B) ●●▲ C) ▲▲●
D) ■▲● E) ■▲▲

8.



I., II. ve III. eşit kollu teraziler dengede olduğuna göre, III. terazinin boş kefesine aşağıdakilerden hangisinde verilen kütleler konulursa terazi dengeye gelir?

In accordance with I, II and III which group of the masses below, when placed on the empty tray in III, will make the scala balance?

- A) ■■ B) ▲■ C) ■■■●
D) ■▲▲ E) ●●■■

ANITLAR / ANSWERS

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

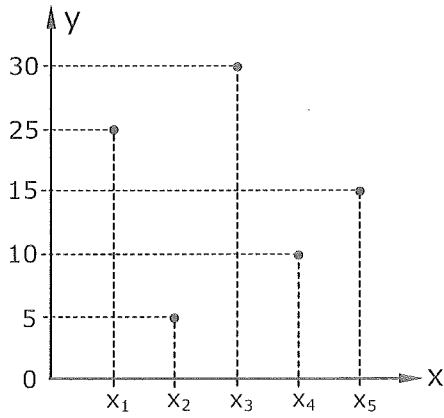
GRAFİKLER

BÖLÜM / CHAPTER

8

GRAPHS

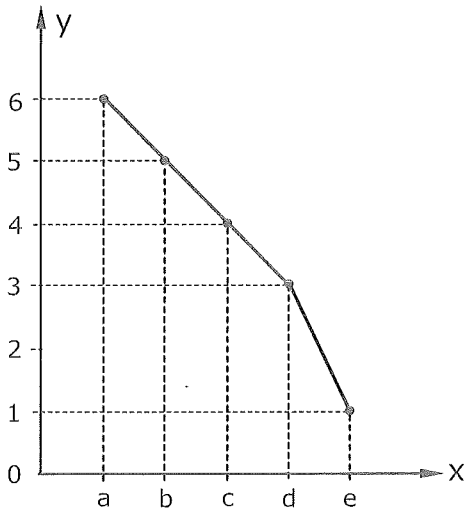
1.



$$\Rightarrow (x_1 + x_2 + x_3) - (x_5 - x_4) = ?$$

- A) 5 B) 15 C) 25 D) 45 E) 55

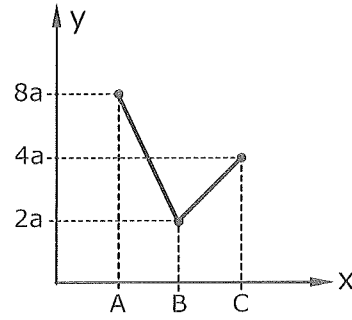
2.



$$\Rightarrow a + b + c + d + e = ?$$

- A) 23 B) 20 C) 19 D) 31 E) 43

3.

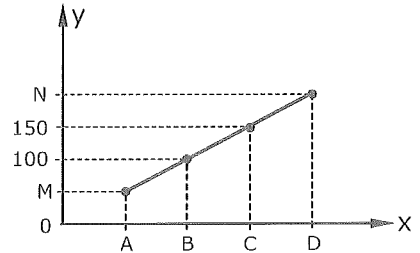


$$A + B + C = 560 \Rightarrow C - B = ?$$

- A) 20 B) 40 C) 60 D) 80 E) 100

4.

A	2
B	4
C	6
D	8



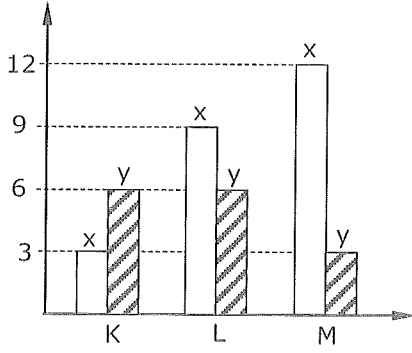
$$\Rightarrow M + N = ?$$

- A) 300 B) 250 C) 200 D) 150 E) 100

Grafikler / Graphs

Test – 1

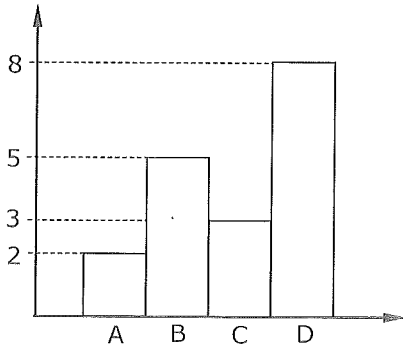
5.



$$\Rightarrow K_x + L_y + M_x = ?$$

- A) 21 B) 18 C) 15 D) 12 E) 9

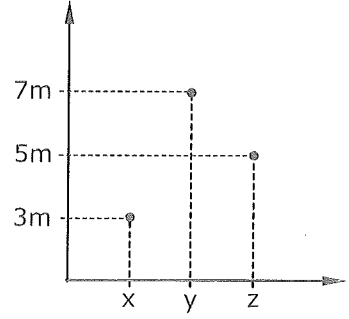
6.



$$\Rightarrow \frac{A+B+C+D}{D-A} = ?$$

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

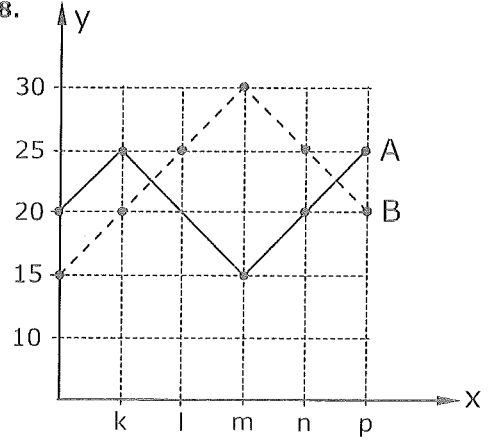
7.



$$x+y+z=1500 \Rightarrow y=?$$

- A) 900 B) 700 C) 500 D) 300 E) 200

8.



$$x_k \rightarrow A-B=x$$

$$x_m \rightarrow A-B=y$$

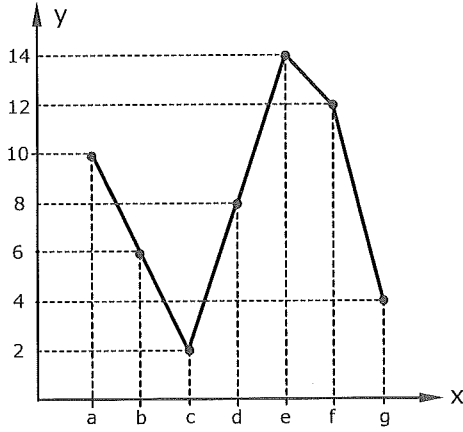
$$\Rightarrow x+y=?$$

- A) -10 B) -5 C) 0 D) 5 E) 10

YANITLAR / ANSWERS

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

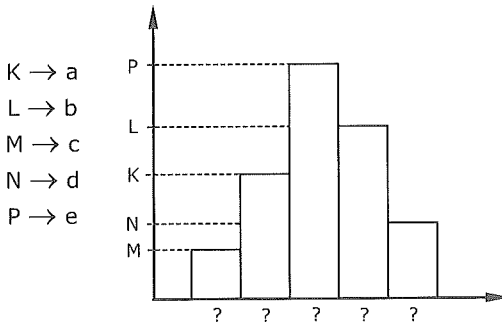
1.



$$a+b+c+d+e+f+g=560 \Rightarrow f-g-c+e=?$$

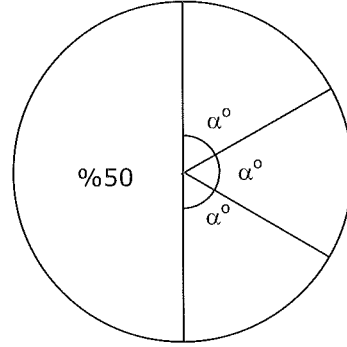
- A) 100 B) 120 C) 140 D) 160 E) 200

2.



- A) a, b, c, d, e
B) b, a, c, d, e
C) c, d, e, a, b
D) c, a, e, b, d
E) d, c, b, a, e

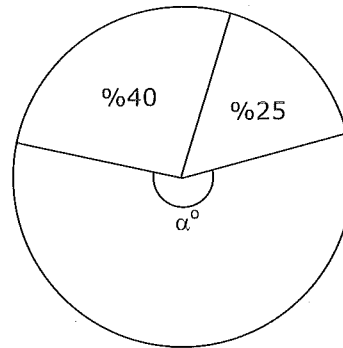
3.



$$\Rightarrow \alpha=?$$

- A) 30 B) 60 C) 90 D) 120 E) 130

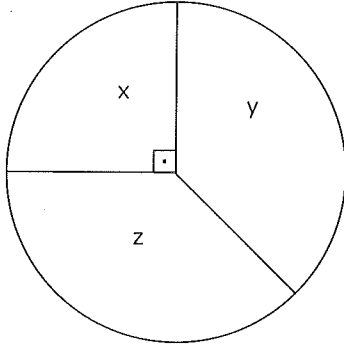
4.



$$\Rightarrow \alpha=?$$

- A) 52 B) 78 C) 96 D) 126 E) 132

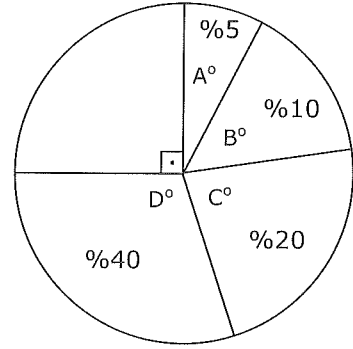
5.



$$x+z=190^\circ \Rightarrow y-z=?$$

- A) 70 B) 80 C) 90 D) 100 E) 110

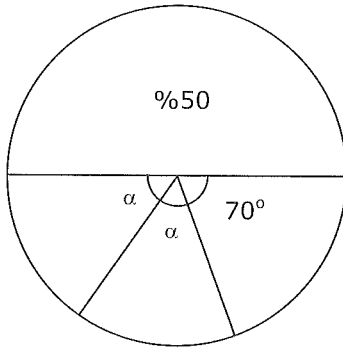
7.



$$\Rightarrow B^\circ + D^\circ - C^\circ = ?$$

- A) 72° B) 108° C) 112° D) 120° E) 150°

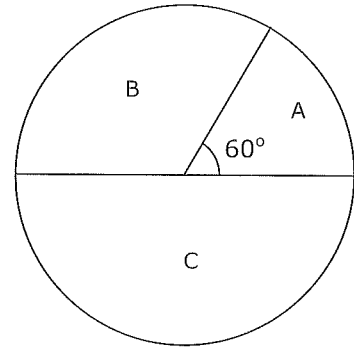
6.



$$\Rightarrow \alpha = ?$$

- A) 35 B) 45 C) 55 D) 65 E) 75

8.



$$\Rightarrow A = ? , B = ? , C = ?$$

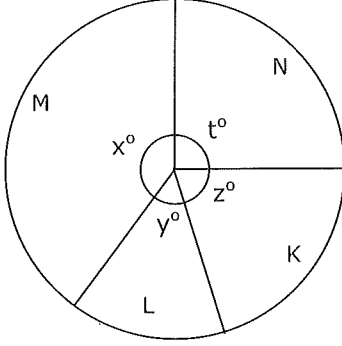
- A) $A > B > C$ B) $A = B > C$ C) $A > B = C$
D) $A = B = C$ E) $A < B < C$

YANITLAR / ANSWERS

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

1.

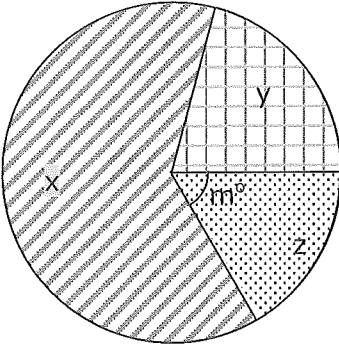
K	L	M	N
%15	%25	%40	%20



$$\Rightarrow \frac{x^\circ + t^\circ}{y^\circ - z^\circ} = ?$$

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

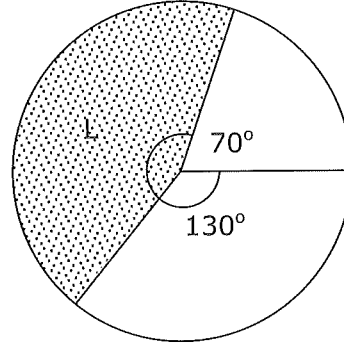
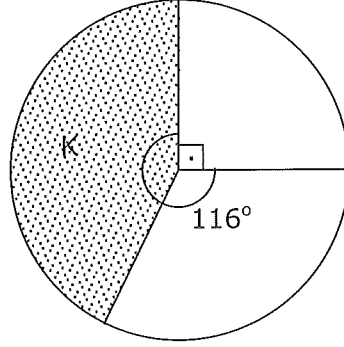
2.



$$x=3.y \quad , \quad 5z=4y \quad \Rightarrow \quad m^\circ=?$$

- A) 15 B) 30 C) 45 D) 60 E) 75

3.

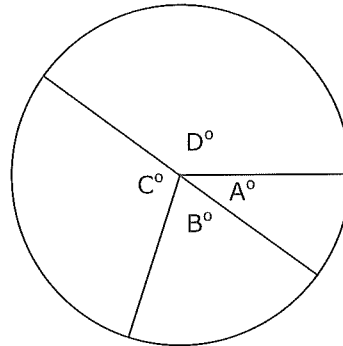


$$\Rightarrow L^\circ - K^\circ = ?$$

- A) 6 B) 46 C) 100 D) 116 E) 206

4.

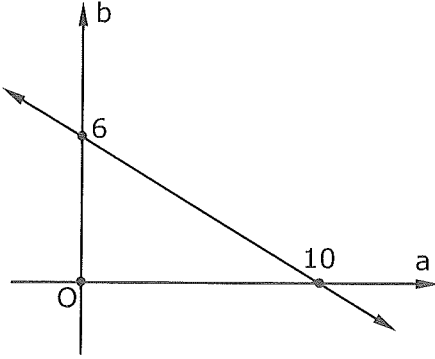
A	B	C	D
3	6	9	12



$$\Rightarrow D^\circ - C^\circ = ?$$

- A) 12 B) 24 C) 36 D) 48 E) 60

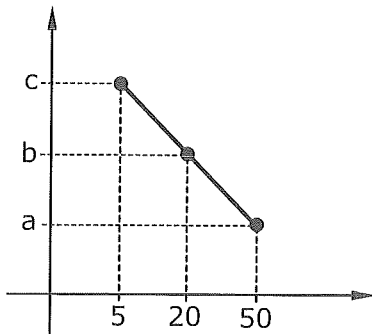
5.



$$a=15 \Rightarrow b=?$$

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

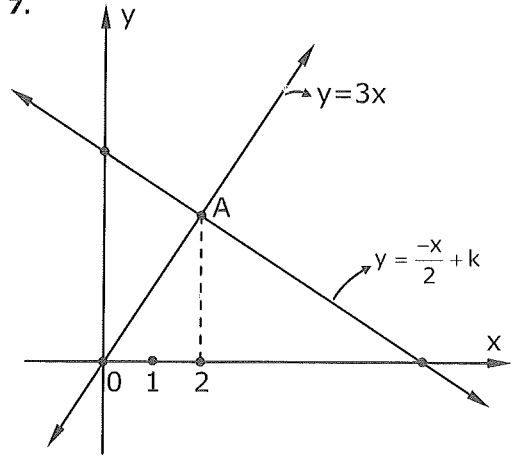
6.



$$c-a=24 \Rightarrow c-b=?$$

- A) 6 B) 8 C) 12 D) 14 E) 16

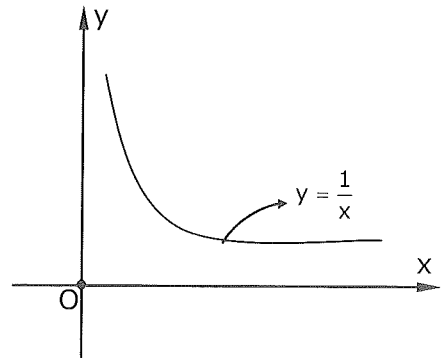
7.



$$k \in \mathbb{R}^+ \Rightarrow k=?$$

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

8.



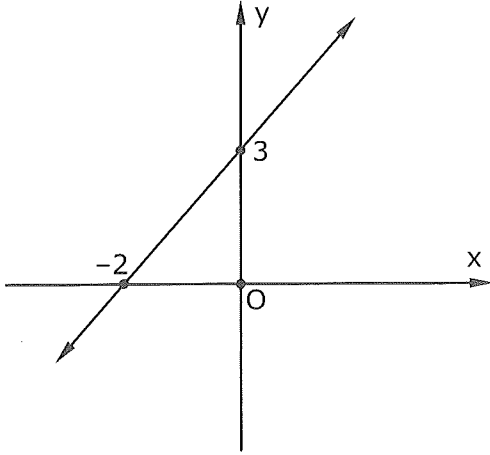
$$x=\frac{1}{5} \Rightarrow y=?$$

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

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

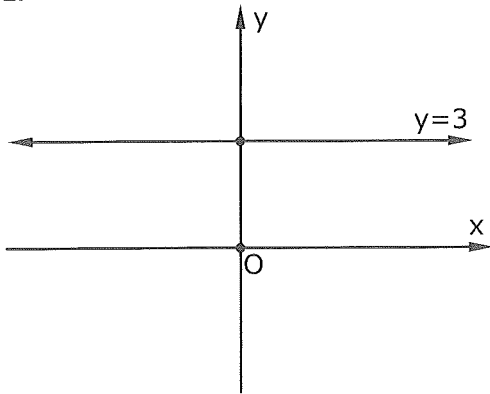
1.



$$x = -6 \Rightarrow y = ?$$

- A) -10 B) -8 C) -6 D) -4 E) 2

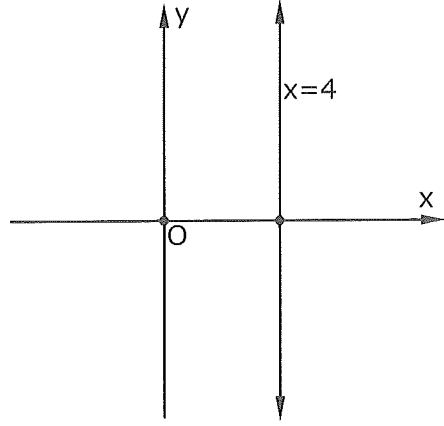
2.



$$x = 7 \Rightarrow y = ?$$

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

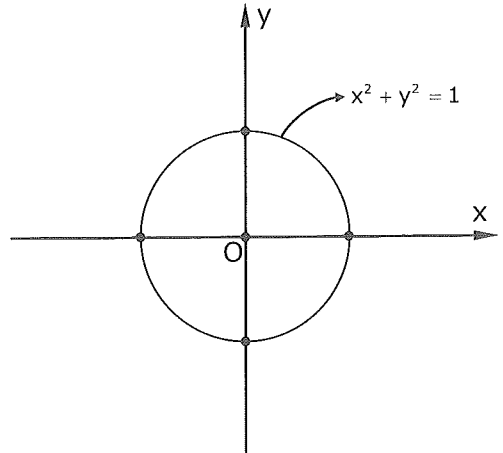
3.



$$y = 3 \Rightarrow x = ?$$

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

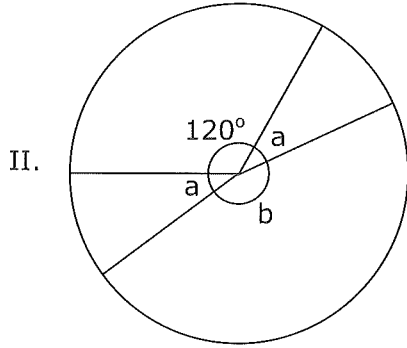
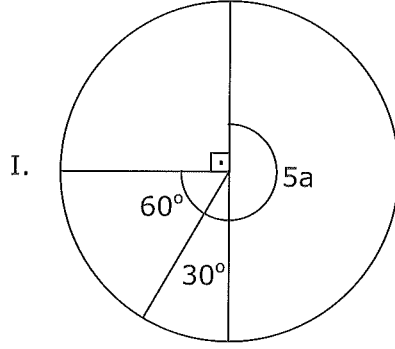
4.



$$x = \frac{1}{2} \Rightarrow y = ?$$

- A) $\mp \frac{\sqrt{2}}{2}$ B) $\mp \frac{\sqrt{3}}{2}$ C) $\mp \frac{\sqrt{5}}{2}$
D) $\mp \frac{\sqrt{7}}{2}$ E) $\mp \frac{\sqrt{11}}{2}$

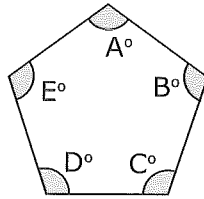
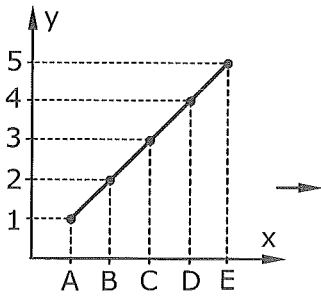
5.



$$\Rightarrow b = ?$$

- A) 140° B) 148° C) 160°
D) 168° E) 172°

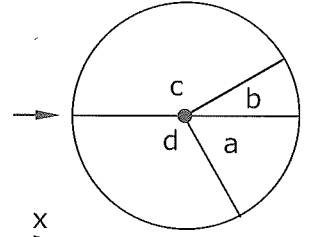
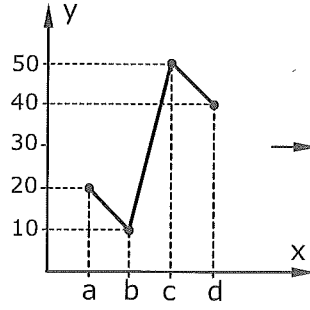
6.



$$\Rightarrow E^\circ + D^\circ - A^\circ - C^\circ = ?$$

- A) 120 B) 140 C) 160 D) 180 E) 200

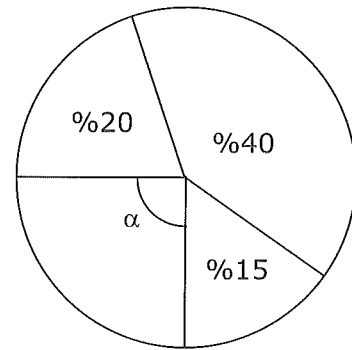
7.



$$\Rightarrow a + c = ?$$

- A) 210 B) 180 C) 150
D) 120 E) 90

8.



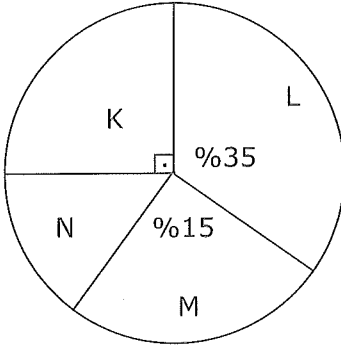
$$\Rightarrow \alpha = ?$$

- A) 45 B) 60 C) 75 D) 90 E) 110

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

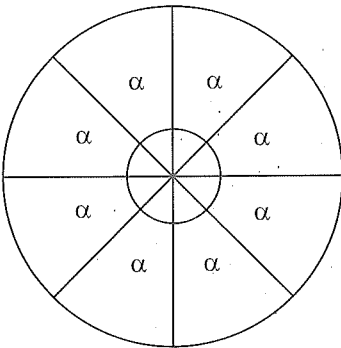
1.



$\Rightarrow N = \%?$

- A) 10 B) 15 C) 20 D) 25 E) 30

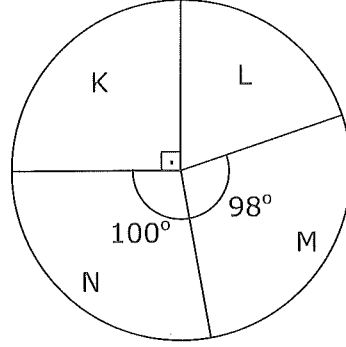
2.



$\Rightarrow \alpha = ?$

- A) 15 B) 20 C) 25 D) 35 E) 45

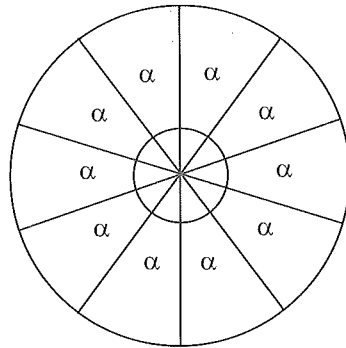
3.



$\Rightarrow L = \%?$

- A) 72 B) 54 C) 36 D) 20 E) 18

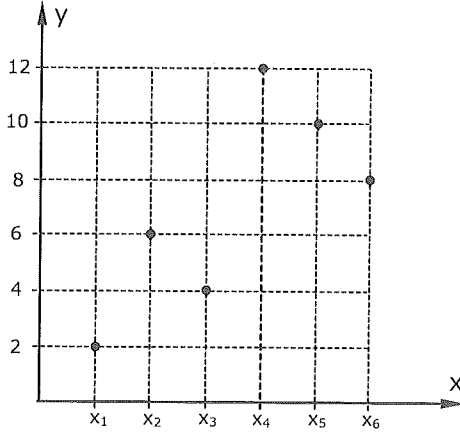
4.



$\Rightarrow \alpha = ?$

- A) 18 B) 24 C) 36 D) 48 E) 60

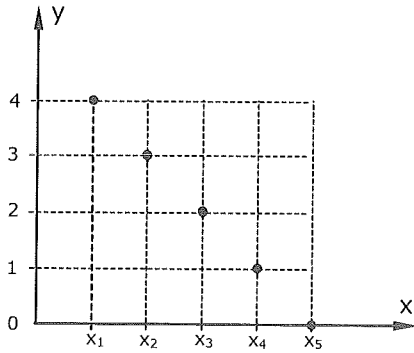
5.



$$\Rightarrow [(x_4 + x_5 + x_6) - (x_3 + x_2 + x_1)]^2 = ?$$

- A) 16 B) 19 C) 49 D) 289 E) 324

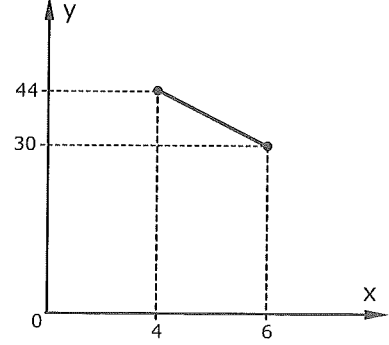
6.



$$\Rightarrow (x_1 + x_2 + x_3 + x_4)^{x_5} = ?$$

- A) 10 B) 8 C) 6 D) 4 E) 1

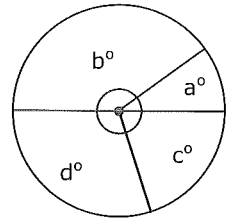
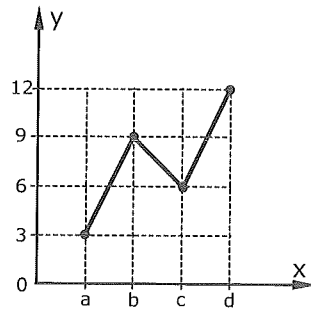
7.



$$x=10 \Rightarrow y=?$$

- A) 0 B) 1 C) 2 D) 8 E) 16

8.



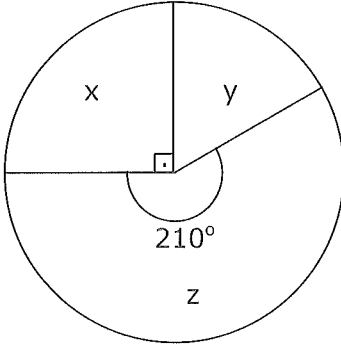
$$\Rightarrow d^\circ - b^\circ = ?$$

- A) 12 B) 24 C) 36 D) 48 E) 60

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1.D 2.E 3.D 4.C 5.E 6.E 7.C 8.C

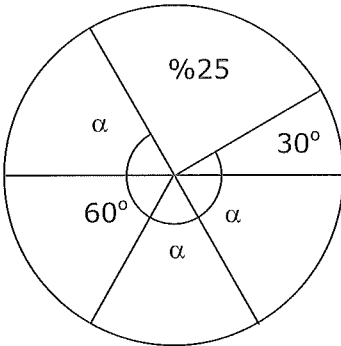
1.



$$\Rightarrow x:y:z=?$$

- A) 2:3:4 B) 3:4:5 C) 4:5:6
D) 6:7:3 E) 3:2:7

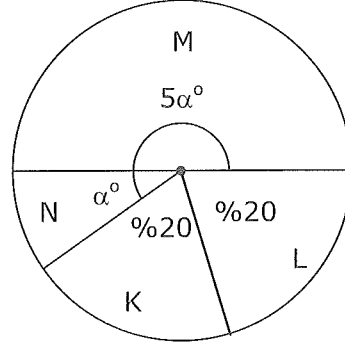
2.



$$\Rightarrow \alpha=?$$

- A) 30 B) 60 C) 90 D) 120 E) 150

3.

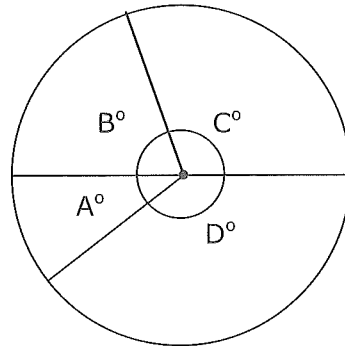


$$\Rightarrow (M-K)^{\circ}=?$$

- A) 72° B) 108° C) 116°
D) 124° E) 144°

4.

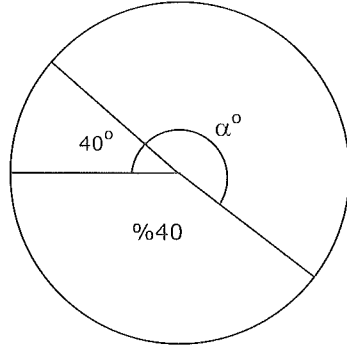
A	B	C	D
%10	%20	%30	%40



$$\Rightarrow B^{\circ}+D^{\circ}=?$$

- A) 72 B) 144 C) 216
D) 252 E) 288

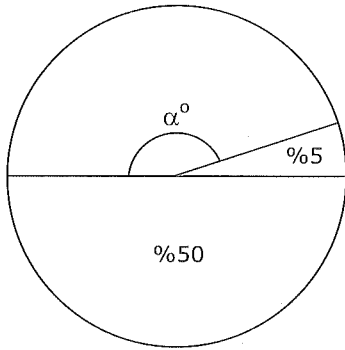
5.



$$\Rightarrow \alpha = ?$$

- A) 176° B) 177° C) 178°
D) 179° E) 180°

6.

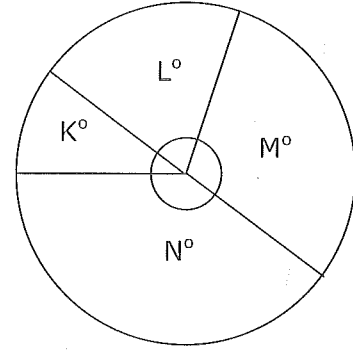


$$\Rightarrow \alpha = ?$$

- A) 160° B) 161° C) 162°
D) 163° E) 164°

7.

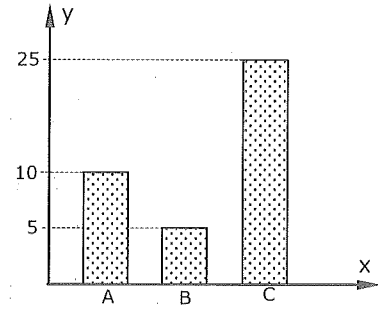
K	L	M	N
%10	%20	%30	%40



$$\Rightarrow N^\circ - K^\circ = ?$$

- A) 36 B) 72 C) 108 D) 144 E) 210

8.



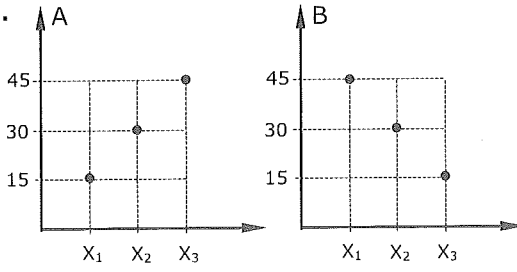
$$A+B+C=360 \Rightarrow A=?$$

- A) 30 B) 60 C) 90 D) 120 E) 150

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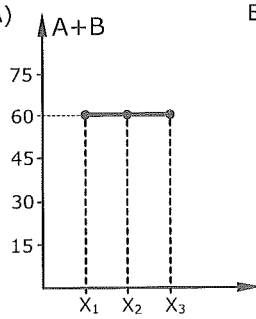
1.E 2.B 3.B 4.C 5.A 6.C 7.C 8.C

1.

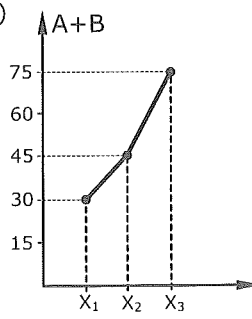


$$\Rightarrow A+B=?$$

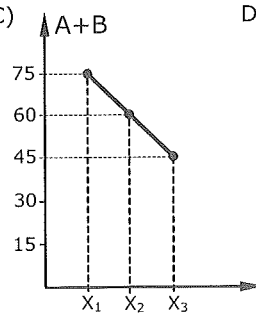
A)



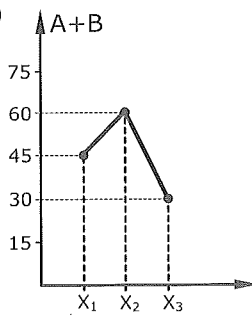
B)



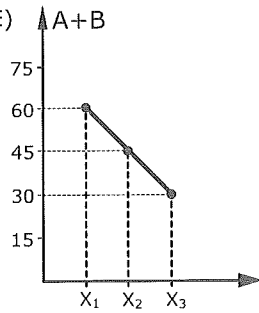
C)



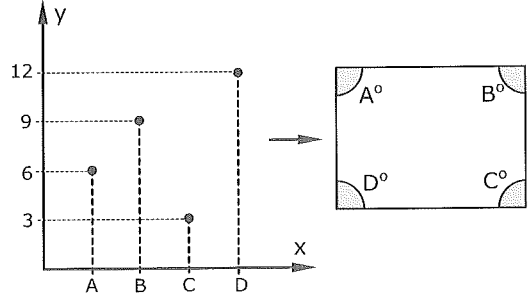
D)



E)



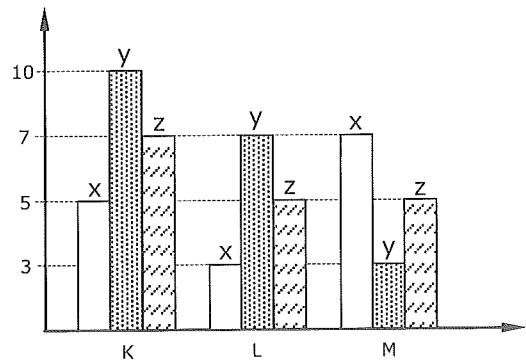
2.



$$\Rightarrow C^\circ - B^\circ + D^\circ = ?$$

- A) 18° B) 24° C) 36° D) 48° E) 72°

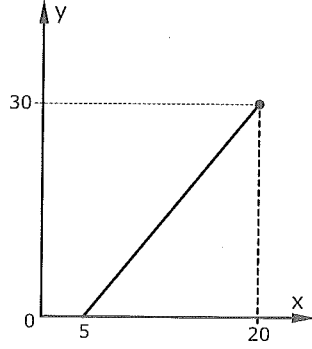
3.



$$\Rightarrow K_y + L_x + M_z = ?$$

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

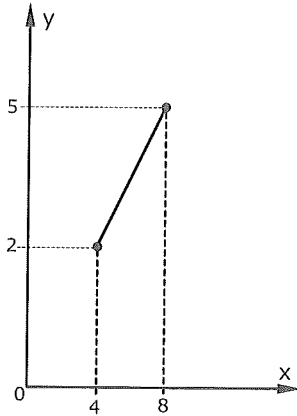
4.



$$x=80 \Rightarrow y=?$$

- A) 180 B) 150 C) 120 D) 90 E) 60

5.



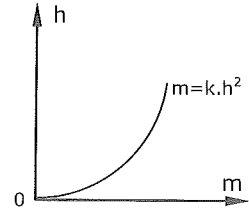
$$x=20 \rightarrow y=A$$

$$y=17 \rightarrow x=B$$

$$\Rightarrow B-A=?$$

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

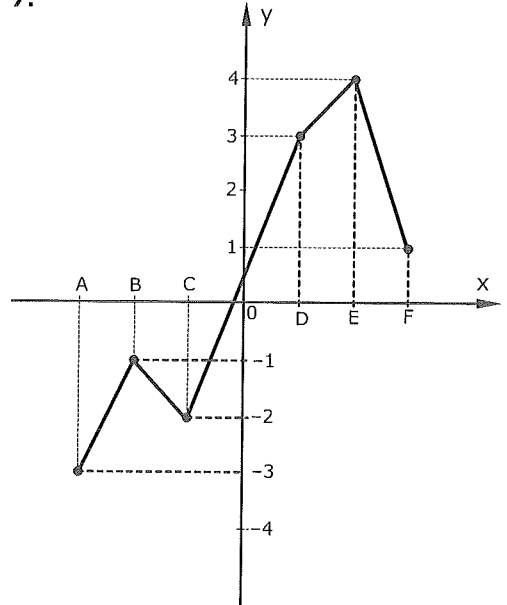
6.



$$k \in \mathbb{R}, h=4 \Rightarrow m=?$$

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

7.



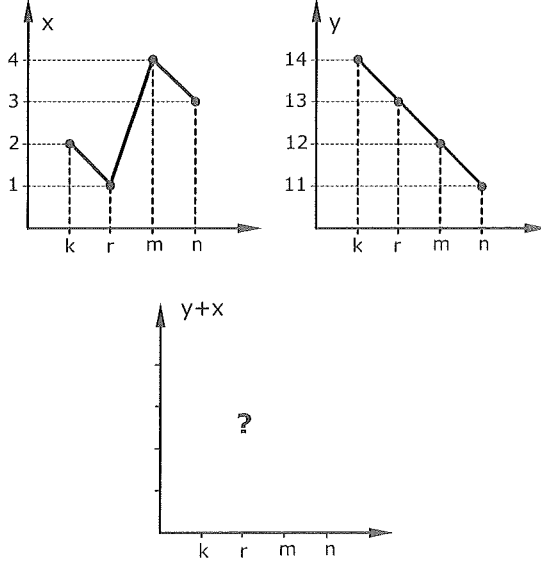
$$\Rightarrow D-B+C-F+A-E=?$$

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

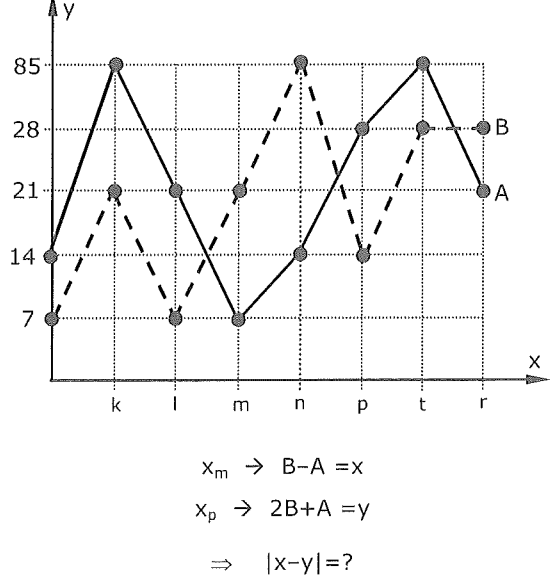
YANITLAR / ANSWERS

1.A 2.E 3.C 4.B 5.C 6.E 7.A

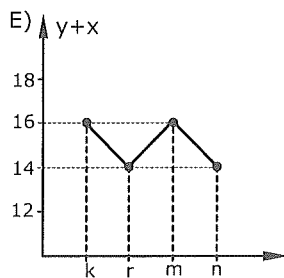
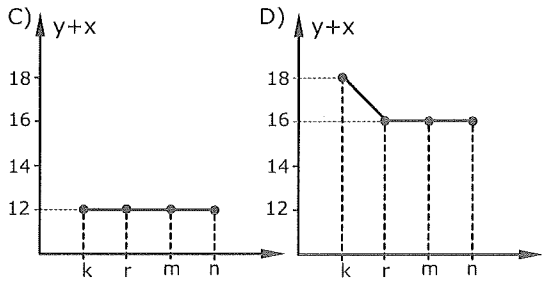
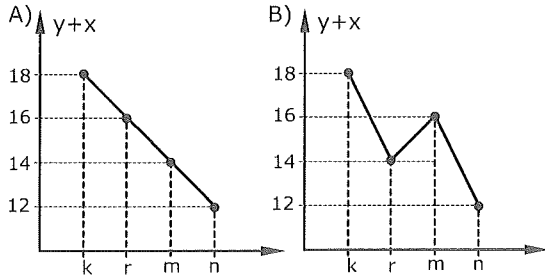
1.



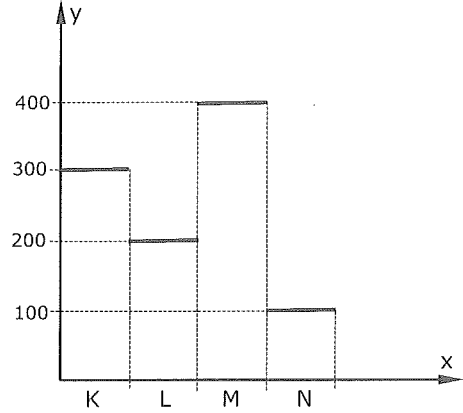
2.



- A) 32 B) 42 C) 52 D) 62 E) 72



3.

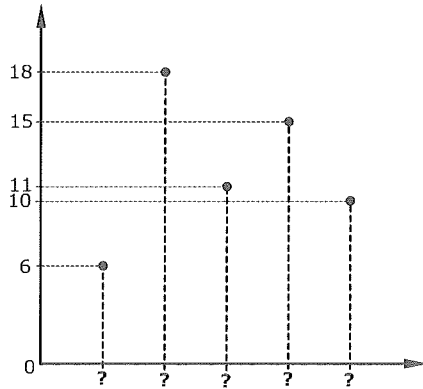
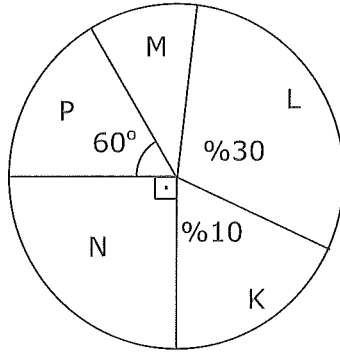


$$K+L+M+N=10000$$

$$\Rightarrow M = ?$$

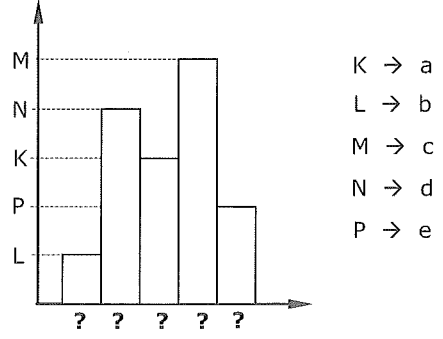
- A) 1000 B) 2000 C) 3000
D) 4000 E) 5000

4.



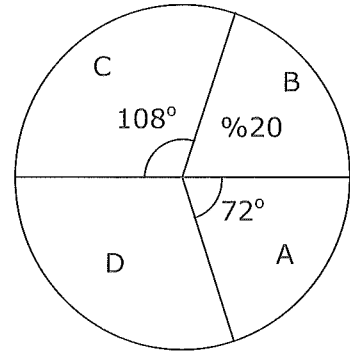
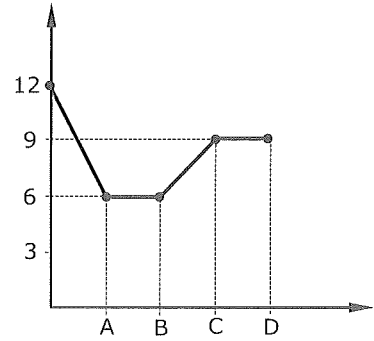
- A) L M K N P
 B) M N K P L
 C) N P K L M
 D) K L M N P
 E) L K M N P

5.



- A) e a b c d
 B) b c d e a
 C) b e a c d
 D) b d a c e
 E) a e b c d

6.



⇒ D° = ?

- A) 18° B) 36° C) 72° D) 108° E) 144°

YANITLAR / ANSWERS

1.E 2.B 3.D 4.D 5.D 6.D

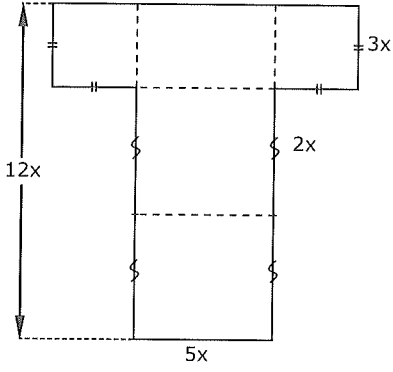
ÇEVRE VE ALAN

BÖLÜM / CHAPTER

9

PERIMETER AND AREA

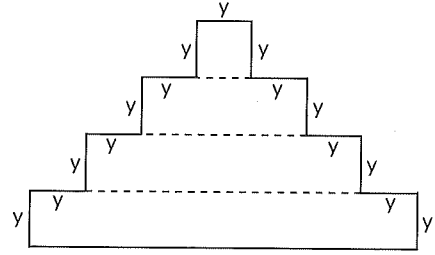
1.



⇒ Çevre/Perimeter=? x

- A) 12 B) 24 C) 36 D) 48 E) 60

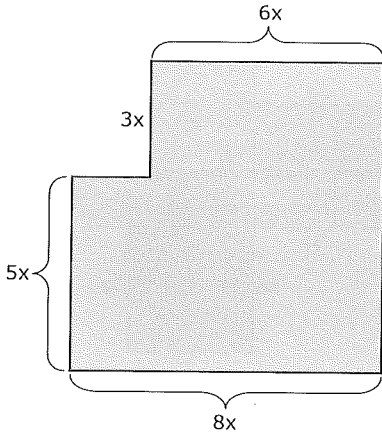
3.



⇒ Çevre/Perimeter=? y

- A) 17 B) 19 C) 22 D) 27 E) 31

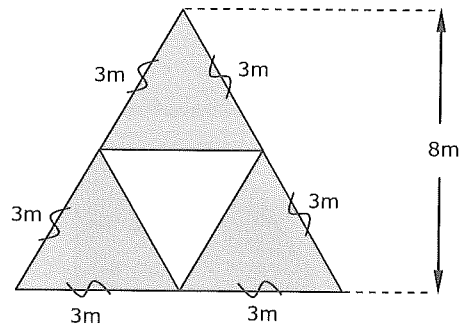
2.



⇒ Taralı alan/The shaded area=? x²

- A) 38 B) 44 C) 50 D) 58 E) 62

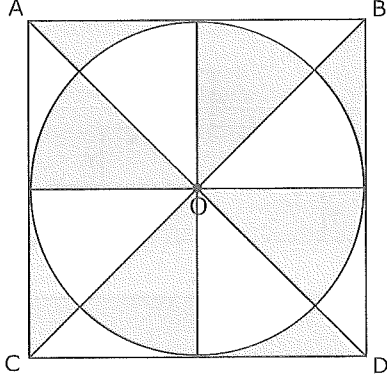
4.



⇒ Taralı alan/The shaded area=? m²

- A) 6 B) 8 C) 18 D) 36 E) 48

5.

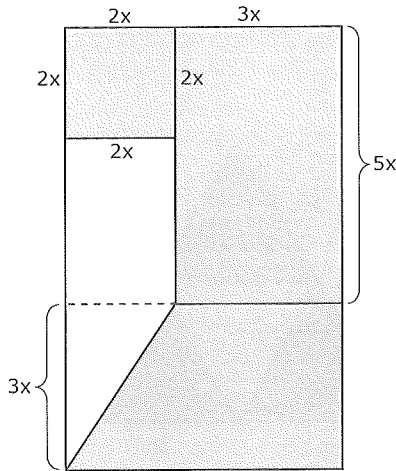


ABCD bir kare, $|AB|=12$ cm ise taralı alan kaç cm^2 dir?

ABCD is a square, $|AB|=12$ cm what's the area of shaded field?

- A) 36 B) 42 C) 64 D) 72 E) 112

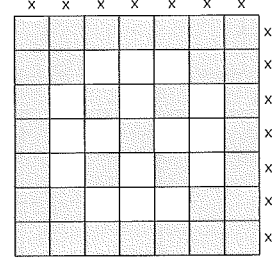
6.



$\Rightarrow$ Taralı alan/The shaded area=? x^2

- A) 6 B) 19 C) 22 D) 31 E) 37

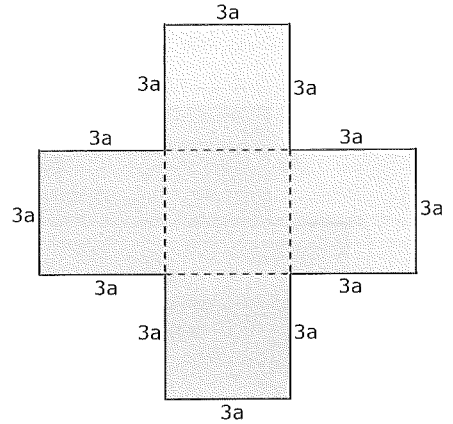
7.



$\Rightarrow$ Taralı alan/The shaded area=? x^2

- A) 11 B) 22 C) 33 D) 44 E) 55

8.



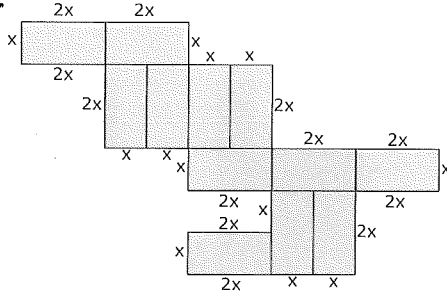
$\Rightarrow$ Taralı alan/The shaded area=? a^2

- A) 15 B) 25 C) 30 D) 35 E) 45

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1.C 2.D 3.C 4.C 5.D 6.D 7.C 8.E

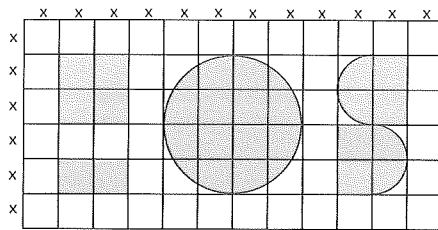
1.



⇒ Taralı alan/The shaded area=? x^2

- A) 12 B) 16 C) 18 D) 20 E) 24

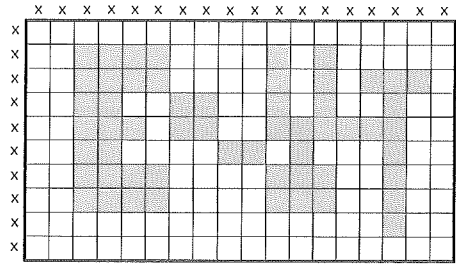
2.



⇒ Taralı alan/The shaded area=? x^2
($\pi=3$)

- A) 10 B) 12 C) 15 D) 20 E) 25

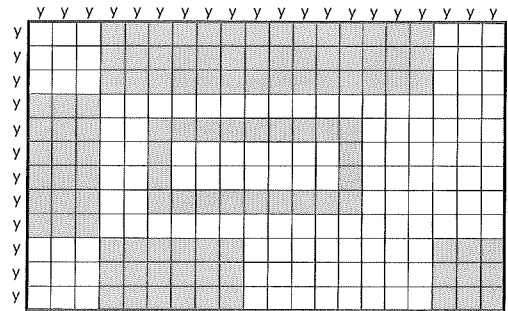
3.



⇒ Taralı alan/The shaded area=? x^2

- A) 54 B) 55 C) 56 D) 57 E) 58

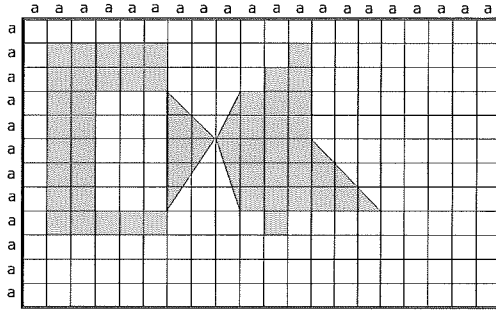
4.



⇒ Taralı alan/The shaded area=? y^2

- A) 109 B) 108 C) 107 D) 106 E) 105

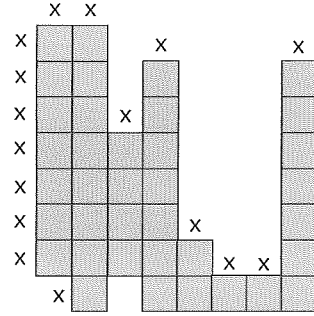
5.



⇒ Taralı alan/The shaded area=? a^2

- A) 96 B) 86 C) 76 D) 66 E) 56

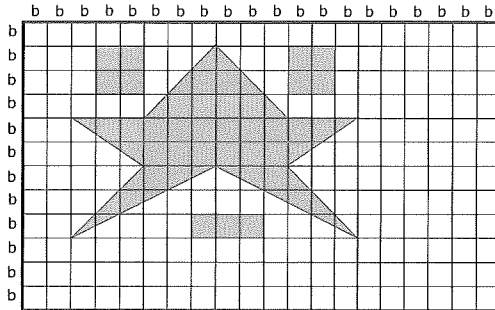
7.



⇒ Taralı alan/The shaded area=? x^2

- A) 35 B) 36 C) 41 D) 43 E) 46

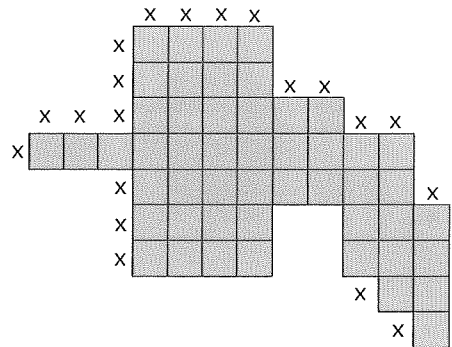
6.



⇒ Taralı alan/The shaded area=? b^2

- A) 34 B) 35 C) 36 D) 37 E) 47

8.



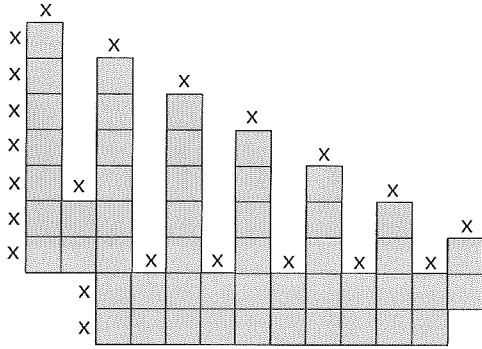
⇒ Taralı alan/The shaded area=? x^2

- A) 30 B) 35 C) 40 D) 45 E) 50

YANITLAR / ANSWERS

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

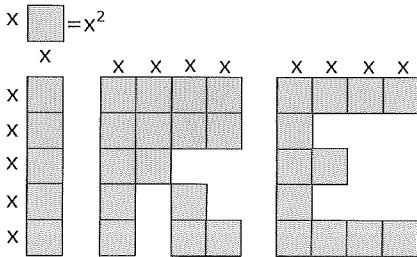
1.



⇒ Taralı alan/The shaded area = ? x^2

- A) 49 B) 50 C) 51 D) 52 E) 53

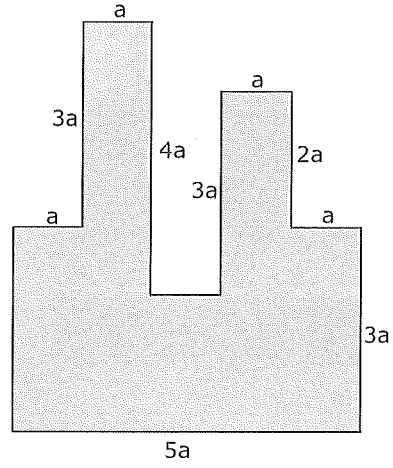
2.



⇒ Taralı alan/The shaded area = ? x^2

- A) 28 B) 29 C) 30 D) 32 E) 34

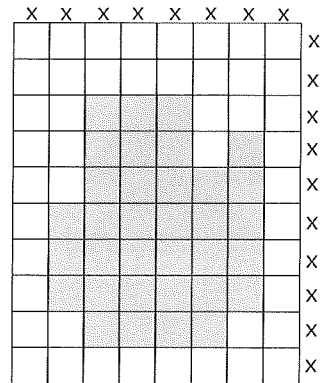
3.



⇒ Taralı alan/The shaded area = ? a^2

- A) 27 B) 19 C) 21 D) 18 E) 15

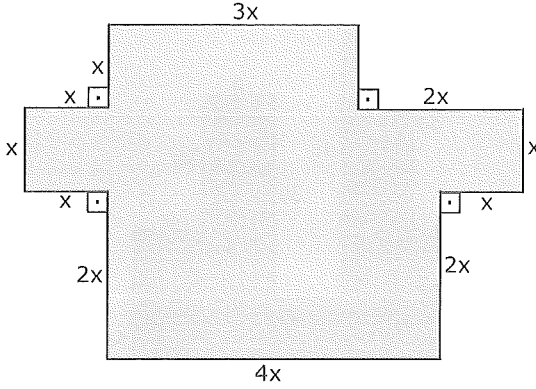
4.



⇒ Taralı alan/The shaded area = ? x^2

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

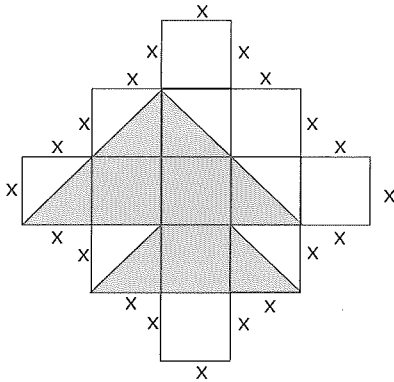
5.



⇒ Taralı alan/The shaded area = ? x^2

- A) 27 B) 21 C) 17 D) 15 E) 12

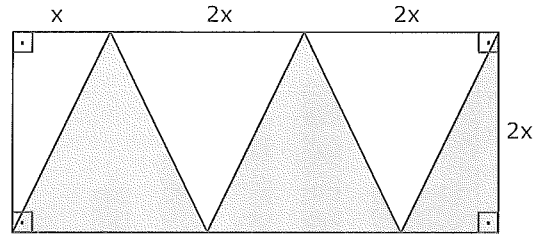
6.



⇒ Taralı alan/The shaded area = ? x^2

- A) 10 B) 9 C) 8 D) 6 E) 4

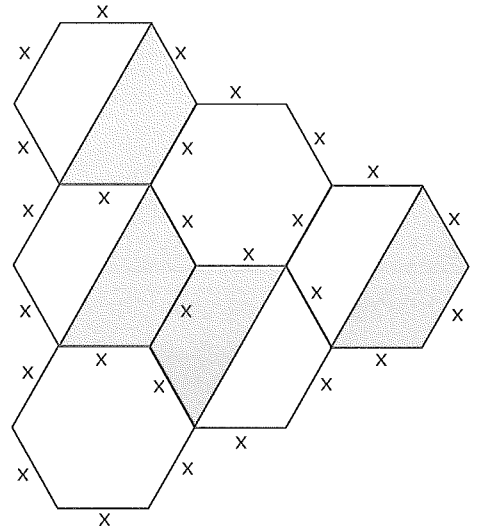
7.



⇒ Taralı alan/The shaded area = ? x^2

- A) 0,5 B) 1 C) 1,5 D) 2 E) 5

8.



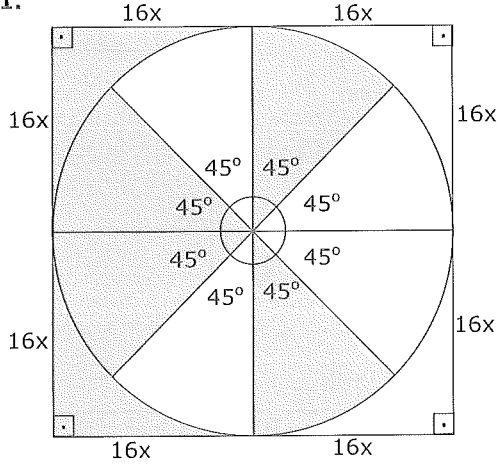
⇒ Taralı alan/The shaded area = ? x^2

- A) $\sqrt{3}$ B) $2\sqrt{3}$ C) $3\sqrt{3}$ D) $4\sqrt{3}$ E) $5\sqrt{3}$

YANITLAR / ANSWERS

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

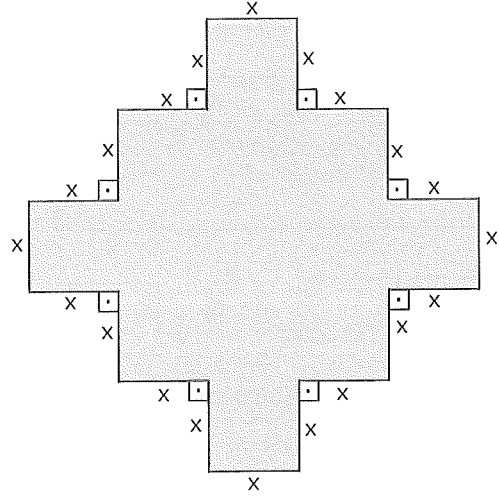
1.



⇒ Taralı alan/The shaded area=? x^2

- A) 512 B) 256 C) 128 D) 64 E) 32

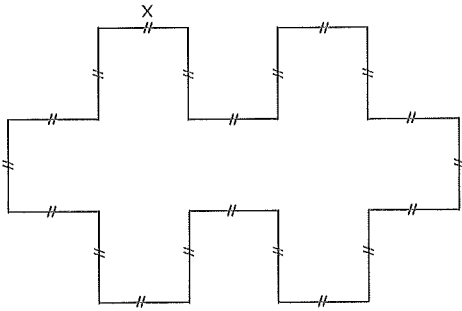
3.



⇒ Taralı alan/The shaded area=? x^2

- A) 15 B) 14 C) 13 D) 12 E) 11

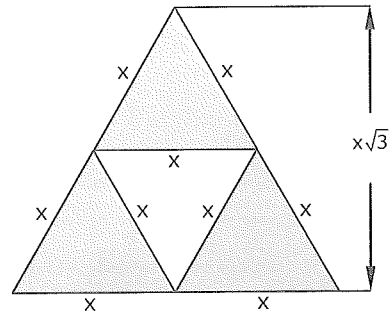
2.



⇒ Çevre/The perimeter=? x

- A) 20 B) 19 C) 18 D) 17 E) 16

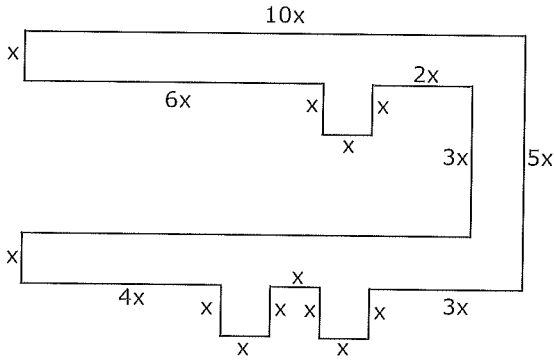
4.



⇒ Taralı alan/The shaded area=? x^2

- A) $\frac{3\sqrt{3}}{2}$ B) $\frac{3\sqrt{3}}{4}$ C) $5\sqrt{3}$
D) $\frac{7\sqrt{3}}{4}$ E) $10\sqrt{3}$

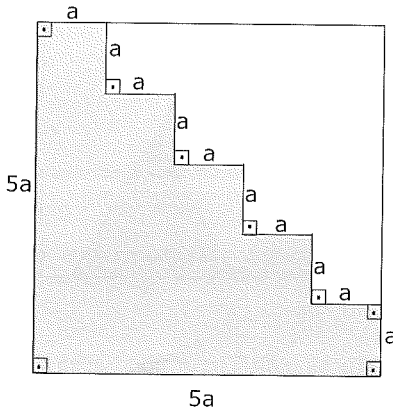
5.



⇒ Çevre/The perimeter=? x

- A) 57 B) 56 C) 55 D) 54 E) 53

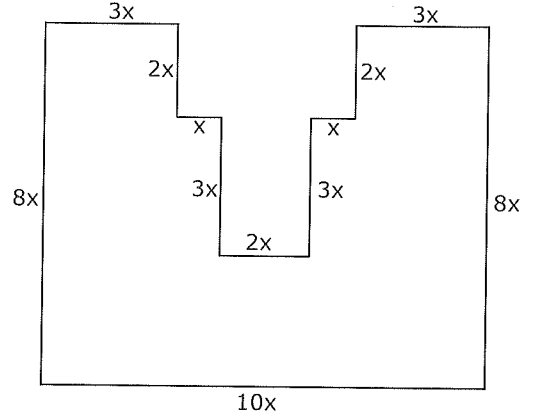
6.



⇒ Taralı alan/The shaded area=? a^2

- A) 10 B) 11 C) 12 D) 15 E) 18

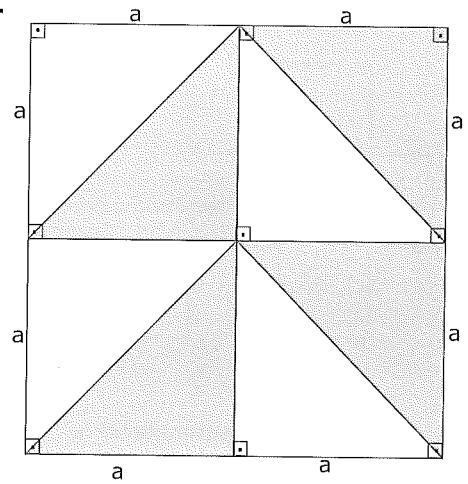
7.



⇒ Çevre/The perimeter=? x

- A) 25 B) 32 C) 40 D) 46 E) 52

8.



⇒ Taralı alan/The shaded area=? a^2

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

YANITLAR / ANSWERS

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