

1.

+	a	b	c
a		42	
b			34
c	28		

$$\Rightarrow a + 2b - 3c = ?$$

- A) 12 B) 24 C) 36 D) 48 E) 60

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2.

+	a	b	c
a			
b	$3c + 3$		$3a + 7$
c			

$$\Rightarrow b - c - a = ?$$

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

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3.

x	a	b	c
a			
b	$4xy$		$9xy$
c	xz		

$$\Rightarrow \frac{a}{c} = ?$$

- A) 1/3 B) 2/3 C) 3/4 D) 5/6 E) 4/9

4.

+	a	b	c
a		5	3
b			
c		4	

x	a	b	c
a		$x+y$	
b			$y+z$
c	$x+z$		

$$\Rightarrow x + y + z = ?$$

- A) 5/2 B) 7/2 C) 9/2 D) 11/2 E) 13/2

5.

+	a	b	c
a		7	
b			8
c	5		

$$\Rightarrow ab + ac - bc = ?$$

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

6.

x	a	b	c
a		8	
b			6
c	12		

$$\Rightarrow a^2 + b^2 + c^2 = ?$$

- A) 14 B) 29 C) 37 D) 42 E) 59

7.

+	K	L	M
K	$3M$		
L		$8K$	
M			

$$\Rightarrow M = ?$$

- A) L/2 B) L/4 C) L/6 D) L/8 E) L/16

8.

+	a	b	c
a	$6b$	bc	
b			
c			

$$\Rightarrow c = ?$$

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

9.

x	a	b	c
a			24
b	18		
c		12	

$$\Rightarrow (a+c)(b+c) = ?$$

- A) 35 B) 47 C) 59 D) 63 E) 70

10.

+	K	L	M
K			8y
L	6z		
M		2x	

$$\Rightarrow x + 4y + 3z = ?$$

- A) $K + 2L + M$ B) $K + L + M$ C) $2K + L - M$
D) $3K + 2L + M$ E) $K + L - M$

11.

+	a	b	c
a		KL	
b			KM
c	ML		

$$(K+L)(L+M) = L^2 + 42$$

$$\Rightarrow a + b + c = ?$$

- A) 17 B) 18 C) 19 D) 20 E) 21

12.

+	a	b	c
a		34	
b			28
c	42		

$$\Rightarrow 2c - (a + b) = ?$$

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

13.

x	K	L	M
K		$3a + b$	
L			
M	$a + 2c$	$2c - b$	

$$\Rightarrow K(L - M) + LM = ?$$

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

14.

+	a	b	c
a		4K	
b			2L
c	6M		

$$a + b + c = 24, K - L = 3$$

$$\Rightarrow K + M = ?$$

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

15.

+	a	b	c
a		3c	
b			$a + 2$
c	$b + 6$		

$$\Rightarrow a + b - c = ?$$

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

16.

+	K	L	M
K			34
L	40		
M		42	

$$\Rightarrow K \cdot M / L = ?$$

- A) $1/2$ B) 1 C) 5 D) 10 E) 12

Yanıtlar / Answers

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

1.

+	M	N	P
M		P	
N			
P			

x	M	N	P
M			
N			
P			M+N

$$\Rightarrow P = ?$$

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

2.

x	K	L
K		M
L		

x	M	N
M		
N	KL	

$$\Rightarrow N = ?$$

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

3.

÷	4	6	8
2	2		
3			L
4		K	

$$\Rightarrow K \times L = ?$$

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

4.

+	a	b	c
K	12		
L			7
M		6	

$$a + b + c = 14$$

$$\Rightarrow K + L + M = ?$$

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

5.

+	K+L	L+M	K+M
K		z	
L			y
M	x		

$$K + L + M = 23$$

$$\Rightarrow x + y + z = ?$$

- A) 92 B) 69 C) 46 D) 36 E) 29

6.

x	K	L	M
K			9
L			
M		18	

$$\Rightarrow L = ?$$

- A) M B) 2M C) M - K D) 4K E) 2K

7.

+	a	b	c
a		2K	2M
b			
c		2L	

$$a + b + c = t$$

$$\Rightarrow K + L + M = ?$$

- A) t B) 2t C) t^2 D) $2t - 1$ E) $t + 1$

8.

+	x	y	z	p
a		c+p		
b		a+y+m		
c				y+b

$$\Rightarrow m = ?$$

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

9.

x	a	b	c
a		21	
b			
c	15		

$$\Rightarrow bc = ?$$

- A) 14 B) 28 C) 35 D) 42 E) 49

10.

x	4	6	8
4			
6	x-z		x+y
8			

$$\Rightarrow \frac{x^2 + 2xy + y^2}{x^2 - 2xz + z^2} = ?$$

- A) 8 B) 6 C) 4 D) 2 E) 1

11.

+	a	b	c
a			18
b	21		
c		15	

$$\Rightarrow \frac{ac}{b} = ?$$

- A) 15 B) 12 C) 8 D) 4 E) 2

12.

+	x	y	z
x		6	
y			9-x
z		12	

$$\Rightarrow y + xz = ?$$

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

13.

+	a	b	c
a		x+1	
b			$-2x^2+4x+4$
c	$4x^2+3x-5$		

$$a + b + c = mx^2 + nx + p \Rightarrow m + n + p = ?$$

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

14.

x	x	y	z
x			a+b
y	b+c		
z		a+c	

+	a	b	c
a		K	M
b			
c		L	

$$\Rightarrow \frac{K \cdot M}{L} = ?$$

- A) x^2 B) y^2 C) z^2
D) $x^2 + y^2 + z^2$ E) $x^2 + y^2 - z^2$

15.

x	a	b	c
a			
b	8		12
c	24		

$$\Rightarrow 16 = ?$$

- A) c^2 B) a^2 C) b^2
D) $b^2 - 1$ E) $a^2 + c^2$

16.

+	a	b	c
a		x-y	x+z
b			
c		y+z	

$$\Rightarrow b = ?$$

- A) $x + y$ B) $x - z$ C) $x - 2y$
D) $2z + x$ E) 0

Yanıtlar / Answers

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

1.

+	a	b	c
a		8	
b			11
c	9		
d		14	

$\Rightarrow d = ?$

- A) 3 B) 5 C) 7 D) 9 E) 11

2.

+	K	L	M
K		34	
L			
M		37	

$\Rightarrow M - K = ?$

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

3.

x	A	B
A		64
B	8K	

+	A	B	C
A			
B	20		
C	2K	28	

$\Rightarrow A + B + C = ?$

- A) K B) 2K C) 4K D) 8K E) 16K

4.

+	7	K	L
8			
M		22	25
17		26	

$\Rightarrow L = ?$

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

5.

x	a	b	c
a			
b			
c		18	

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

$\Rightarrow \frac{bxc}{a} = ?$

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

6.

+	K	L	M
K			
L		3M	
M			K

$\Rightarrow \frac{K}{L} = ?$

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

7.

x	a	b	c
a			28
b	12		
c		21	
d			14

$\Rightarrow d = ?$

- A)
- $a/2$
- B) a C) 2a D) 3a E) 4a

8.

+	a	b	c	d
a				L
b				
c		K		
d				

x	K	L
K		128
L		

$\Rightarrow ab + cd + ac + bd = ?$

- A) 32 B) 64 C) 128 D) 256 E) 512

9.

+	5	9	15
7		K	
11	L		
17			M

$$\Rightarrow \frac{K+L}{M} = ?$$

- A) $\frac{K}{M}$ B) $\frac{M}{K}$ C) $\frac{M}{L}$ D) $\frac{L}{M}$ E) $\frac{L}{K}$

10.

+	x	y	z
x		2B	
y			2A
z	2C		

$$\begin{aligned} A+B+C &= 35 \\ \Rightarrow \frac{x+y+z}{5} &= ? \end{aligned}$$

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

11.

x	K	L	M
K	A		
L			
M			B

+	K	L	M
K			16
L			
M			

$$\begin{aligned} A-B &= 96 \\ \Rightarrow K-M &= ? \end{aligned}$$

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

12.

÷	K	8	L
2		4	
M	4		1
8	3		

$$\Rightarrow L = ?$$

- A) 8 B) 6 C) 4 D) 2 E) 1

13.

+	x	y	z
x		18	
y			20
z	16		

$$\Rightarrow 4x - 3y + z = ?$$

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

14.

x	A	B	C
A			
B			K
C	3K		2K

$$\Rightarrow A = ?$$

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

15.

x	4	7	K
L		56	
12			108
M	64		

$$\Rightarrow K+L+M = ?$$

- A) 32 B) 33 C) 34 D) 35 E) 36

16.

+	a	b	c
a		2K	
b			L
c			

x	a	b
K	a+b	
L	16	

$$\Rightarrow a+b+c = ?$$

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

Yanıtlar / Answers

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

1.

+	a	b	c
a		13	
b			
c	15		24

$\Rightarrow b = ?$

- A) 1 B) 3 C) 7 D) 10 E) 13

2.

+	x	y	z
x		23	
y			12
z	15		

$\Rightarrow x + y + z = ?$

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

3.

+	a	b	c
a	12		
b		16	
c			10

$\Rightarrow bc - a = ?$

- A) 34 B) 35 C) 36 D) 37 E) 38

4.

x	K	L	M
K		16	
L			72
M	18		

$\Rightarrow K + L + M = ?$

- A) 17 B) 18 C) 19 D) 20 E) 21

5.

x	a	b	c
a	16		32
b			
c		24	

$\Rightarrow a + b + c = ?$

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

6.

+	x	y	z
x			21
y			
z	3z		

$\Rightarrow x = ?$

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

7.

x	a	b	c
a		42	L
b	K		18
c	21	M	

$\Rightarrow \sqrt{K+L+M} = ?$

- A) 9 B) 12 C) 14 D) 16 E) 18

8.

+	K	L	M
K		13	
L			4K
M	11	16	

$\Rightarrow K \cdot L \cdot M = ?$

- A) 64 B) 125 C) 162 D) 212 E) 252

9.

+	a	b	c
a			27
b			
c	9b		

$$\Rightarrow \frac{a+c}{b} = ?$$

- A) 3 B) 6 C) 9 D) 12 E) 15

10.

x	K	L	M
K			
L			35
M	28		49

$$\Rightarrow K+L+M=?$$

- A) 4 B) 7 C) 10 D) 13 E) 16

11.

+	a	b	c
a	11		
b		20	
c			17

$$\Rightarrow a+b+c=?$$

- A) 48 B) 36 C) 24 D) 12 E) 6

12.

x	a	b	c
a		24	
b	K		
c		K/2	

$$\Rightarrow a/c=?$$

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

13.

x	a	b	c
a			
b	17		13
c	22		

$$\Rightarrow \frac{ab+bc+ac}{2}=?$$

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

14.

+	a	b	c
a			8
b		4c	
c		18	

$$\Rightarrow a=?$$

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

15.

+	K	L	M
K			
L	48		
M			K+L

$$\Rightarrow K+L+M=?$$

- A) 96 B) 72 C) 64 D) 48 E) 36

16.

+	x	y	z
x			
y			$x+y+z-3$
z	8		

$$x+y+z=12$$

$$\Rightarrow \frac{y+z}{x}=?$$

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

Yanıtlar / Answers

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

1.

+	a	b	c
a		2c	
b			
c			

$$a + b + c = 30 \\ \Rightarrow c = ?$$

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

2.

x	K	L	M
K			
L		81	
M	30	54	

$$\Rightarrow K = ?$$

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

3.

+	a	b	c
a	4c		
b			
c			8b

$$\Rightarrow a = ?$$

- A) b B) 2b C) 4b D) 8b E) 16b

4.

x	K	L	M
K		A	
L			B
M	C		

$$\Rightarrow B = ?$$

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

5.

+	a	b	c
a		12	
b			14
c	8		
d		15	

$$\Rightarrow d = ?$$

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

6.

x	K	L	M
K			12
L	8		
M		6	

$$\Rightarrow \sqrt{K+L+M} = ?$$

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

7.

+	a	b	c	d
a				17
b			17	
c	20			19
d				

$$\Rightarrow b + d = ?$$

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

8.

+	a	b	c
a			
b		220	
c			

$$\Rightarrow a = ?$$

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

9.

+	a	b	c
a		K	L
b	P		S
c	R	M	

$$K + L + M = X \\ \Rightarrow P + R + S = ?$$

- A) x B) $2x$ C) $3x$ D) x^2 E) $x/2$

10.

x	K	L	M
K	64		
L			N
M	24		

$$K, L, M, N \in \mathbb{Z} \\ \Rightarrow N = ?$$

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

11.

+	P	R	S
K	22		
L		15	
M			19

$$K + L + M = 28 \\ \Rightarrow P + R + S = ?$$

- A) 22 B) 24 C) 26 D) 28 E) 30

12.

+	K	L	M
K		P	
L			S
M	R		

$$K + L + M = A \\ \Rightarrow P + R + S = ?$$

- A) $A/2$ B) A C) $2A$ D) A^2 E) $3A$

13.

x	A	B	C
K		X	
L	Y		
M			Z

$$2AL + 4BK + 6MC = T \\ \Rightarrow 2x + y + 3z = ?$$

- A) T^2 B) $2T$ C) T D) $T/2$ E) $T/3$

14.

+	x	y	z
x		A	
y			C
z	B		

$$AB + AC = x + y + 2z \\ \Rightarrow A = ?$$

- A) 1 B) $x + z$ C) $y + z$ D) $2x + y$ E) $x + y + z$

15.

x	K	L	M
K		48	
L			24
M	32		

$$\Rightarrow M = ?$$

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

16.

+	a	b	c
a			
b			20
c	18		

$$\Rightarrow C = ?$$

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

x	a	b
a		63
b		

Yanıtlar / Answers

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

1.

+	a	b	c
a	b		
b		$\frac{c}{2}$	
c			16

 $\Rightarrow a = ?$

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

2.

+	a	b	c
a		14	
b			20
c	24		

 $\Rightarrow c = ?$

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

3.

x	a	b	c
a	b		
b		c	
c			256

 $\Rightarrow a \cdot b = ?$

- A) 4 B) 8 C) 16 D) 64 E) 96

4.

+	a	b	c
a	$b+4$		
b		$2c-2$	
c			30

 $\Rightarrow a \cdot b - 2c = ?$

- A) 94 B) 95 C) 96 D) 97 E) 98

5.

+	-a	b	c
a		28	
b			24
c	26		

 $\Rightarrow a + b + c = ?$

- A) 36 B) 39 C) 42 D) 45 E) 50

6.

x	a	b	c
a	b^4		
b			$8b$
c		$2c$	

 $\Rightarrow \frac{a+c}{b} = ?$

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

7.

+	a	b
a		
b		a

 $\Rightarrow c = ?$

- A) 12 B) 16 C) 20 D) 24 E) 28

8.

x	a	b	c
a		192	
b			64
c	48		

 $\Rightarrow b = ?$

- A) 12 B) 16 C) 20 D) 24 E) 28

9.

x	a	b	c
a			12
b	28		
c		21	

$$\Rightarrow a + b - c = ?$$

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

10.

x	a	b	c
a		15	
b			12
c	20		

$$\Rightarrow \frac{a+c}{b} = ?$$

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

11.

+	a	b	c	d
a				17
b				
c		5		
d				

$$\Rightarrow a \cdot c + b \cdot a + c \cdot d + b \cdot d = ?$$

- A) 70 B) 75 C) 80 D) 85 E) 90

12.

+	a	b	c
a		c+3	b
b			
c		a+1	

$$\Rightarrow \frac{b}{2} = ?$$

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

13.

+	a	b	c
a	b \cdot c	6c	
b		c^2	
c			

$$\Rightarrow b + c = ?$$

- A) 11 B) 12 C) 13 D) 14 E) 15

14.

+	a	b	c	d
a				x
b	13			
c		17		
d			14	

$$\Rightarrow x = ?$$

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

15.

x	a	b	c	d
a		20		
b			y	
c				48
d	32			

$$\Rightarrow y = ?$$

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

16.

+	b	c	d
a	9		c-1
b	4a	14	

$$\Rightarrow d = ?$$

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

Yanıtlar / Answers

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

1.

+	a	b	c
a	c		
b	2c		
c		20	

 $\Rightarrow a = ?$

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

2.

x	a	b	c
a		2c	
b			27
c	54		

 $\Rightarrow a + b + c = ?$

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

3.

+	a	b	c
a			10
b		a	
c			

x	a	b	c
a			24
b			
c			

$a > c \Rightarrow b = ?$

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

4.

x	K	L	M
K		24	
L			32
M	12		

 $\Rightarrow \frac{L+M}{K} = ?$

- A) K B) L C) M D)
- $\frac{L}{M}$
- E)
- $\frac{M}{K}$

5.

+	a	b	c
a		35	48
b			53

 $\Rightarrow a = ?$

- A) 9 B) 15 C) 20 D) 23 E) 37

6.

+	a	b	c
a		15	
b			11
c	10		

x	a	b	c
a		x	
b			z
c	y		

$\Rightarrow x + y - z = ?$

- A) 49 B) 50 C) 51 D) 52 E) 53

7.

x	a	b	c
a			64b
b	c		
c		a^4	

 $\Rightarrow a = ?$

- A) 1 B) 4 C) 8 D) 16 E) 32

8.

x	a	b	c
a		40	
b			
c	56		

+	a	b	c
a			
b			12
c			

$\Rightarrow a = ?$

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

9.

+	a	b	c	d
a				
b	c+5			
c		d+6		a-7
d				

$$\Rightarrow c - 2d + 5 = ?$$

- A) 11 B) 12 C) 13 D) 14 E) 15

10.

x	a	b	c
a		30	
b			42
c	35		

$$\Rightarrow a \cdot b \cdot c = ?$$

- A) 180 B) 190 C) 200 D) 210 E) 220

11.

+	a	b	c
a	4c		
b		a^3	
c		x	$\frac{b}{2}$

$$\Rightarrow x = ?$$

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

12.

+	a	b	c
a			
b	d^2		
c			

$$\Rightarrow d = ?$$

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

x	a	b	c
a			
b			42
c	54		

13.

+	a	b	c
a		c+2	
b			16
c	2b-1		

$$\Rightarrow 4b - c = ?$$

- A) 16 B) 17 C) 18 D) 19 E) 20

14.

x	a	b	c
a			64
b	96		
c		24	

$$\Rightarrow a + b - c = ?$$

- A) 12 B) 18 C) 20 D) 22 E) 26

15.

+	a	b	c
a		10	12
b			
c			

x	a	b	c
a			32
b	24		

$$\Rightarrow a + b + c = ?$$

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

16.

x	a	b	c
a			18
b	27		
c		54	

$$\Rightarrow \frac{b+c}{a} = ?$$

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

Yanıtlar / Answers

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

1.

+	a	b	c
a		13	
b			12
c	11		

$\Rightarrow a + b + c = ?$

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

2.

x	a	b	c
a		42	
b			35
c	30		

$\Rightarrow c = ?$

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

3.

+	a	b	c
a			11
b	7		

x	a	b	c
a			28
b			

$b > 0 \Rightarrow a + b + c = ?$

- A) 11 B) 12 C) 13 D) 14 E) 15

4.

+	a	b	c
a			7
b			9

x	a	b	c
a			
b	15		

$\Rightarrow a \cdot b \cdot c = ?$

- A) 50 B) 55 C) 60 D) 65 E) 70

5.

+	a	b	c
a			20
b	18		
c		24	

$\Rightarrow b + c - 2a = ?$

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

6.

x	a	b	c
a			4b
b	16c		
c			

$\Rightarrow \frac{b}{c} = ?$

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

7.

+	a	b	c
a		5b	
b			2c
c			

$\Rightarrow \frac{a}{c} = ?$

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

8.

+	a	b
a		c
b		

x	a	b	c
a			
b			42

$\Rightarrow \frac{a \cdot b}{c} = ?$

- A) 3 B)
- $\frac{7}{6}$
- C)
- $\frac{27}{14}$
- D)
- $\frac{33}{14}$
- E) 7

9.

x	a	b	c
a			b
b			
c		d	

$$\Rightarrow b^2 = ?$$

- A) a^2 B) $a \cdot d$ C) $\frac{d}{a}$ D) $c^2 \cdot d$ E) $\frac{d \cdot c}{a}$

10.

+	a	b	c
a		$c+7$	
b			$2a$
c	9		

$$\Rightarrow a + b - c = ?$$

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

11.

+	a	b	c
a			35
b	30		
c			

$$\Rightarrow c - b = ?$$

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

12.

x	a	b	c
a		156	
b			221
c	204		

$$\Rightarrow a + b + c = ?$$

- A) 40 B) 41 C) 42 D) 43 E) 44

13.

+	a	b	c
a		$c+3$	
b			$3a+1$
c	14		

$$\Rightarrow a \cdot b = ?$$

- A) 30 B) 35 C) 40 D) 45 E) 50

14.

x	a	b	c
a			$16b$
b	$4c$		

+	a	b	c
a			
b			33

$$\Rightarrow a = ?$$

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

15. $x < 0 < y < z$, $m \in \mathbb{Z}^+$

+	x	y	z
x		-1	
y			
z	2		

$$|x - z| - |x| - |y - x| + |m - x| = 6$$

$$\Rightarrow m = ?$$

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

16.

A	▲	◆	□
▲	-	K	6
◆	6	L	8
□	6	M	8

$$\Rightarrow K, L, M = ?$$

- A) 6, 6, 8 B) 6, -, 8 C) 6, 8, 6
D) 6, 8, 8 E) 8, 6, 8

Yanıtlar / Answers

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

1.

●	4	6	8
14	20		
11		?	6
8	8		

- A) 5 B) 8 C) 10 D) 12 E) 15

2.

●	12	9	5
8	40		
11		40	
14	?	46	

- A) 52 B) 53 C) 54 D) 55 E) 56

3.

♥	7	12	13
5	?		18
3		—	
1	8	—	14

- A) — B) 12 C) 13 D) 14 E) 15

4.

☼	2	5	9
13	□	•	L
11	K	•	•
7	□	•	M

⇒ K, L, M = ?

- A) •, •, □ B) □, •, • C) □, □, •
D) •, □, □ E) □, •, □

5.

*	△	□	⬆
3	9		A
7	C		35
9	B	36	

⇒ A + B + C = ?

- A) 53 B) 56 C) 60 D) 63 E) 69

6.

✦	12	9	3
18	36		
15		36	
7	?	4	16

- A) 9 B) 15 C) 18 D) 25 E) 42

7.

□	7	12	18
21			39
13	—	25	?
5	—	17	

- A) 29 B) 30 C) 31 D) 32 E) —

8.

•	3	5	9
2	3		21
7		6	
8	15	?	

- A) 3 B) 6 C) 9 D) 12 E) 15

9.

	⊙	▲	●
3	6	9	9
7	A	49	C
9	18	B	27

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

- A) 49 B) 68 C) 82 D) 96 E) 116

10.

*	11	5	3
7		2	
13	?		6
20	3	10	

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

11.

*	32	43	57
2	7		
4		11	7
5	10		?

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

12.

*	5	9	13
8	—	A	—
6	B	—	—
3	4	6	C

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

- A) 16, —, — B) —, 8, — C) 8, —, —
D) —, —, 16 E) —, —, 8

13.

*	23	61	120
3		?	
4	3		
5			5

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

14.

*	7	13	21
8		12	11
12	10		
16	?	11	10

- A) 3 B) 7 C) 12 D) 14 E) 17

15.

	3	5	7
⊙	A	125	
☆	9		B

$$\Rightarrow B - A = ?$$

- A) 40 B) 34 C) 28 D) 22 E) 16

16.

+	9	12	5
21		4	7
13	12		
18	17		?

- A) 15 B) 13 C) 11 D) 9 E) 7

Yanıtlar / Answers

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

1.

●	13	17	24
8	—		?
6		—	9
3	5	7	

- A) 6 B) 7 C) 8 D) 9 E) —

5.

□	7	5	2
12	2		
10	4	?	
5		5	—

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

2.

*	33	28	19
15		26	
24	18		
35	?		32

- A) 4 B) 12 C) 25 D) 36 E) 49

6.

▲	7	12	15
8		0	
4	1		
2	9	?	7

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

3.

?	12	5	2
4	?	—	3
7		6	
14	13		8

- A) — B) 5 C) 6 D) 7 E) 8

7.

*	24	19	11
2	20		
7	?	5	—
13	—	—	

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

4.

♥	15	9	4
28		46	
45	75		
63	?		71

- A) 42 B) 58 C) 64 D) 85 E) 93

8.

♣	5	12	13
7	19		
3		18	19
1	7		?

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

9.

⊗	12	21	34
5	13	4	
7			15
9	69		?

- A) 23 B) 38 C) 47 D) 59 E) 61

10.

●	4	8	11
3	—	K	*
7	M	—	*
10	*	*	L

⇒ K, L, M = ?

- A) —, —, * B) *, —, — C) —, —, —
D) *, *, * E) *, —, *

11.

	5	6	8	12
A	L	13	K	25
B	16	M	25	37

⇒ K + L + M = ?

- A) 25 B) 38 C) 47 D) 53 E) 61

12.

*	3	6	8
13	18		
17		25	?
16	21		26

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

13.

*	18	21	24
3	?		20
7		13	
11	6		12

- A) 15 B) 14 C) 13 D) 12 E) 11

14.

*	84	76	68
58	25		27
66		25	?
83		24	25

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

15.

*	8	14	18
5	3		?
13		14	
22	0	18	0

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

16.

÷	21	32	43
4	6	10	
7			19
9	11	?	

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

Yanıtlar / Answers

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

1.

●	□	▲	◐
▲	K		15
◐			L
□	M	12	

$$\Rightarrow K + L + M = ?$$

- A) 33 B) 43 C) 53 D) 63 E) 73

2.

▲	3	7	9
6	-	13	
4			
1	8		K

$$\Rightarrow K = ?$$

- A) 8 B) 10 C) 40 D) 68 E) 80

3.

⊗	□	○	Δ
5	9	25	x
6	y	36	18
7	11	z	21

$$\Rightarrow z - (x + y) = ?$$

- A) 15 B) 17 C) 19 D) 21 E) 24

4.

Δ	4	7
5	9	
8		15

□	2	5
3		
6	4	1

$$\Rightarrow (8 \square 7) \Delta (6 \Delta 5) \square (8 \Delta 4) = ?$$

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

5.

A	□	△	◐	◑
□	-		-	
▽	L	9	K	M
◑		15		25

$$\Rightarrow M, L, K = ?$$

- A) 18, 12, - B) -, 12, - C) -, -, 18
D) 15, -, - E) 15, 12, 18

6.

▲	4	6	3
8			
5		61	
2			

$$\Rightarrow a \blacktriangle b = ?$$

- A) $(a + b)^2$ B) $a^2 - b^2$ C) $\sqrt{a + b}$
D) $a^2 + b^2$ E) $a^3 - b^3$

7.

●	4	5
3	1	
2	2	

▲	1	6
7		13
8	9	

$$\Rightarrow (5 \bullet 3) \blacktriangle [(8 \blacktriangle 6) \bullet (7 \blacktriangle 1)] = ?$$

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

8.

☎	3	5	6	7	9	12
2	○	□	△	⬡	⬢	□
4	⬢	△	□	□	⬢	○
5	□	⬢	△	○	□	⬢
3	□	○	⬢	△	⬢	□

$$\Rightarrow (5 \text{ ☎ } 9) = ?$$

- A) 3 ☎ 12 B) 5 ☎ 5 C) 2 ☎ 3
D) 3 ☎ 9 E) 4 ☎ 7

9.

●	3	4
2	13	L
5	K	41

$$\Rightarrow K - L = ?$$

- A) 20 B) 16 C) 14 D) 12 E) 6

10.

●	2	3	4
2	x		
3			49
4	36		y

$$\Rightarrow y - x = ?$$

- A) 12 B) 24 C) 36 D) 48 E) 64

11.

▲	1	2	3
1	2	K	28
2		L	
3		35	M

$$\Rightarrow K + L + M = ?$$

- A) 59 B) 69 C) 79 D) 89 E) 99

12.

●	3	4
3		25
4		

■	2	5
2		21
5		

$$\Rightarrow (5 \bullet 2) - (4 \blacksquare 3) = ?$$

- A) 14 B) 16 C) 18 D) 20 E) 22

13.

⊕	2	3	4
2	4	K	
3			L
4	8		

$$\Rightarrow L = ?$$

- A) K B) K^2 C) 2K
D) $2K + 1$ E) $K - 1$

14.

☆	2	5	6	9
11	—	16	—	20
9	B	14	A	18
8	10	C	14	—

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

- A) —, —, — B) —, 12, — C) 14, —, 14
D) 15, 11, 13 E) 13, 15, 11

15.

◆	12	14	13
17	25		16
15			
18	x		25

$$\Rightarrow x = ?$$

- A) 7 B) 16 C) 25 D) 36 E) 49

Yanıtlar / Answers

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

1.

☼	21	34	42
25		A	
29		25	
38			16

 $\Rightarrow A = ?$

- A) 81 B) 64 C) 49 D) 36 E) 25

5.

●	12	21	30
13	1	—	M
29	L	8	—
41	29		K

 $\Rightarrow K, L, M = ?$

- A) —, 17, 11 B) —, 11, 17 C) 17, —, 11
D) 11, 17, — E) 17, 11, —

2.

□	4	K	8
L	8		
6		21	24
9	18		

 $\Rightarrow K \square L = ?$

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

6.

●	3	4	5
6	X	2-□	
7	2-□	Z	2-□
8	—		Y

 $\Rightarrow X, Y, Z = ?$

- A) —, 2Δ, — B) 2□, —, — C) —, —, —
D) □, —, — E) —, —, □

3.

⌂	13	47	81
67	40		74
78		—	—
91	P		

 $\Rightarrow P = ?$

- A) 51 B) 52 C) 53 D) 54 E) —

7.

●	21	14	7
9	12		K
18		14	
27	12		16

 $\Rightarrow K = ?$

- A) 9 ● 14 B) 18 ● 21 C) 27 ● 14
D) 18 ● 7 E) 14 ● 18

4.

▲	2	3
6	6	9
8	8	

■	1	5
7	14	70
9	18	

 $\Rightarrow \frac{(6 \blacksquare 2)}{(8 \blacktriangle 3)} = ?$

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

8.

●	5	7	9
11	A	2	C
13	4	B	2

 $\Rightarrow A, B, C = ?$

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

9.

	3	7	K	13
4	1			81
5		4	9	64

$\Rightarrow K = ?$

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

10.

	3	4	5	6
4			11	14
5		K		
6			19	
7	11	M		L

$\Rightarrow K + L + M = ?$

- A) 37 B) 47 C) 57 D) 67 E) 77

11.

	24	32	43
11	8	R	
28			17
43	13	12	P

$\Rightarrow P - R = ?$

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

12.

	4	6	8
3	10		
5			18
7		20	X

$\Rightarrow x = ?$

- A) 16 B) 18 C) 20 D) 22 E) 24

13.

	66	48	37
123	72	7	
64			0
22	64	K	45

$\Rightarrow K = ?$

- A) 24 B) 18 C) 12 D) 6 E) 0

14.

		18	
		24	

$\Rightarrow \square \bullet \nabla = ?$

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

15.

	12	9	6
15	Y		
13		64	
11		X	125

$\Rightarrow X + Y = ?$

- A) 30 B) 35 C) 40 D) 45 E) 50

16.

4		K	L
7	M		13
13	P		19

$\Rightarrow (K + P) - (L + M) = ?$

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

Yanıtlar / Answers

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

	□	△	◡
○	A	27	125
◡	B	18	30

$\Rightarrow A - B = ?$

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

◆	71	63	42
7	8	—	—
14	—	K	—
26	—	—	4

$\Rightarrow K = ?$

- A) — B) 4 C) 5 D) 6 E) 7

	*	◇	◡
7	14	—	L
8	K	4	—
9	18	—	3

$\Rightarrow K, L = ?$

- A) 16, — B) —, 16 C) —, —
D) 16, 4 E) 4, 16

●	5	6	7
8	y		225
7	144	x	196
6			169

$\Rightarrow \sqrt{x \cdot y} = ?$

- A) 169 B) 144 C) 96 D) 25 E) 13

5.

●	4	5
6		61
7		

■	9	8
7		
6		28

$$\Rightarrow (7 \bullet 4) - (9 \blacksquare 7) = ?$$

- A) 13 B) 23 C) 33 D) 43 E) 53

6.

	○	□	△
□	10		
△		14	12
○	K		8

$\Rightarrow K = ?$

- A) 4 B) 8 C) 16 D) 32 E) 64

7.

▲	21	38	41
23			10
67	16		18
81	X	20	

$\Rightarrow X = ?$

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

8.

■	1	2	3	4
5		23		L
6	35		M	
7		K	46	

$\Rightarrow K, L, M = ?$

- A) 47, 33, 21 B) 33, 47, 21 C) 21, 33, 47
D) 47, 21, 33 E) 21, 47, 33

9.

▼	17	21	81
48	41		B
56	A		48
73		71	

$$\Rightarrow \sqrt{A-B} = ?$$

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

10.

	3	4	8	11
4			$2\sqrt{3}$	
5		K	—	4
8	—		4	

$$\Rightarrow K = ?$$

- A) — B) 2 C) 3 D) 4 E) 5

11.

●	8	B	12
A		144	225
4	144		
8			400

$$\Rightarrow B = ?$$

- A) 3 B) 6 C) 9 D) 12 E) 15

12.

■	8	9	10
2			40
3		54	
4	64		X

$$\Rightarrow X = ?$$

- A) 56 B) 64 C) 72 D) 80 E) 88

13.

	5	7	9
□	20	28	36
△	X	100	144
○	Z	49	Y

$$\Rightarrow X+Z-Y = ?$$

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

14.

	64	216	729
*	4	A	9
⌂	C	$6\sqrt{6}$	27
○	B	12	126

$$\Rightarrow \frac{A \cdot C}{B} = ?$$

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

15.

	5	7	8	12
□	9	N		
○		49	K	
▽	L			9
⬠	25		40	M

$$\Rightarrow (M+N) - (K+L) = ?$$

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

16.

▼	21	45	56
3	—		
4	5	7	
8		—	8

$$\Rightarrow a \nabla b = ?$$

- A) $a^2 - b^2$ B) $(a-b)^2$ C) $\sqrt{a^2 + b^2}$
D) $\sqrt{a+b}$ E) $a^3 - b^3$

Yanıtlar / Answers

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

1.

☆	4	6	7
5	18		
8		28	?

- A) 24 B) 26 C) 28 D) 30 E) 32

2.

●	8	12	20
4	16	L	
7		26	M
10	K		40

$$\Rightarrow K + L + M = ?$$

- A) 72 B) 74 C) 78 D) 80 E) 82

3.

■	6	8	12
7	8	A	
8	B	8	
10		12	C

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

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

4.

▲	3	5	7
8	1	17	?
14	—	11	35
21	—	4	28

- A) 21 B) 31 C) 41 D) 51 E) 61

5.

●	4	K	12
5		6	14
8	8		
L		8	

$$L < 5 < K \\ \Rightarrow K + L = ?$$

- A) 12 B) 18 C) 20 D) 22 E) 24

6.

●	4	7	9
11	5	?	0
14	8	2	6
17	2	8	12

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

7.

▲	2	4	5
3	125		
4	216		729
6		?	

- A) 10 B) 100 C) 110 D) 1000 E) 1100

8.

	5	8	9
3	4	?	
4	1	16	
7			4

- A) 10 B) 15 C) 20 D) 25 E) 30

9.

■	12	15	19
5		20	
7	?		24
8		14	

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

10.

●	5	7	11
8	4		
9		?	
12	8	10	5

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

11.

●	5	7
11	—	6
14	—	7
17	K	L
19	8	—

 $\Rightarrow K, L = ?$

- A) 8, — B) —, 8 C) —, —
D) 8, 8 E) 8, 9

12.

●	5	12	17
3	1	—	7
7	1	—	?
11	3	—	3

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

13.

●	12	14	15
7	L	2	4
9	2	K	8
13	10	14	M

 $\Rightarrow K + L + M = ?$

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

14.

●	24	38	51
22	10	?	
33	12		
42		8	12

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

15.

▲	7	12	17
3	8	?	
5			24
6		12	

- A) 16 B) 18 C) 20 D) 22 E) 24

16.

●	12	13	14
5	—	*	M
6	*	L	*
7	—	*	K

 $\Rightarrow K, L, M = ?$

- A) —, —, * B) *, —, * C) —, *, —
D) —, —, — E) *, *, *

Yanıtlar / Answers

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

1.

☆	3	4	5
2	15	18	K
8	33	L	39
3	M	21	24

$$\Rightarrow K + M - L = ?$$

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

2.

▲	3	8	6
7	16	1	1
8	25	0	K
9	36	1	L

$$\Rightarrow K + L = ?$$

- A) 20 B) 11 C) 12 D) 13 E) 14

3.

●	a	b	c
a	11	8	5
b	8	9	6
c	5	6	7

$$\Rightarrow \frac{(a \bullet b) \times (b \bullet b)}{(b \bullet c)} = ?$$

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

4.

▲	x	y	z
a	3	8	11
b	23	22	5
c	6	8	10

$$\Rightarrow (x \blacktriangle a) \times (a \blacktriangle y) + (b \blacktriangle z) = ?$$

- A) 27 B) 28 C) 29 D) 30 E) 32

5.

	12	18	24
2	6	18	K
3	L	27	18
4	12	M	24

$$\Rightarrow K + L + M = ?$$

- A) 55 B) 56 C) 57 D) 58 E) 59

6.

	4	5	6
x	a	125	216
y	20	25	b
z	8	c	12

$$\Rightarrow a + b + c = ?$$

- A) 100 B) 101 C) 102 D) 103 E) 104

7.

▲	2	4	8
3		x	48
6	24		y
9	z		144

$$\Rightarrow \sqrt{\frac{x \cdot y}{z}} = ?$$

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

8.

●	3	6	5
4	K	10	1
8	5	L	3
7	21	1	M

$$\Rightarrow K + L + M = ?$$

- A) 50 B) 51 C) 52 D) 53 E) 54

9.

□	3	8	7
4	L	144	121
5	M	169	144
2	25	100	K

$$\Rightarrow K + L + M = ?$$

- A) 190 B) 191 C) 192 D) 204 E) 194

10.

□	a	b	c
K	9	10	22
L	31	18	7
M	41	12	5

$$\Rightarrow (a \square L) + (b \square M) - (K \square C) = ?$$

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

11.

●	16	21	28
3	1	2	1
4	2	1	2
2	2	1	2
5	1	K	L

$$\Rightarrow 3K + 2L = ?$$

- A) 6 B) 7 C) 8 D) 10 E) 11

12.

*	2	3	4
1	9	12	K
2	12	L	18
3	M	18	21

$$\Rightarrow \frac{K + L + M}{15} = ?$$

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

13.

*	3	5	7
1	M	24	48
2	5	21	45
3	0	K	40

$$\Rightarrow K \times M = ?$$

- A) 128 B) 132 C) 144 D) 154 E) 62

14.

*	a	b	c
x	8	1	6
y	3	5	7
z	4	9	2

$$\Rightarrow \frac{(x * a) + (y * c)}{(a * y)} = ?$$

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

15.

*	7	8	6
5	x	9	1
4	9	y	4
3	16	25	z

$$\Rightarrow x + y + z = ?$$

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

16.

♦	a	b	c
2	4	7	M
3	6	L	7
4	K	13	9

$$\Rightarrow K + L + M = ?$$

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

Yanıtlar / Answers

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

1.

	□	○	○
□	20	—	X
□		16	28
○	16		—
△			—

⇒ X = ?

- A) 14 B) 22 C) 35 D) 42 E) —

2.

P	3	5	7
□	—	—	—
△	1		
□		1	K

⇒ K = ?

- A) 2 B) 3 C) 4 D) 5 E) —

3.

●	8	9	12
21	18	0	9
33	4	8	20
43	5	A	25

⇒ A = ?

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

4.

●	12	34	51
88	19		
64		17	16
42		X	12

⇒ X = ?

- A) 9 B) 11 C) 13 D) 15 E) 17

5.

■	4	5	6
2	L	11	
3		K	15
7	25		M

⇒ K + L + M = ?

- A) 41 B) 51 C) 61 D) 71 E) 81

6.

	5	8	11
□	20	32	K
△	L	5	8
□	10	M	16

⇒ K = ?
⇒ L = ?
⇒ M = ?

- A) 13, 2, 44 B) 44, 2, 13 C) 13, 44, 2
D) 2, 13, 44 E) 2, 44, 13

7.

	6	9	14
21		11	
38	P		38
56		39	

⇒ P = ?

- A) 10 B) 20 C) 30 D) 40 E) 50

8.

■	3	5	8	14
6		15	24	M
8	L			56
12	18		48	
17	—	K		

⇒ K, L, M = ?

- A) —, 24, 42 B) 24, —, 42 C) —, 12, 21
D) —, 12, 42 E) 42, 12, —

9.

*	☆	△
○	24	
□		14

$$\Rightarrow (\triangle * \square) + (\square * \triangle) = ?$$

- A) 22 B) 32 C) 44 D) 52 E) 62

10.

●	24	43	82
5	1		
7		6	
9			-1

$$\Rightarrow a \bullet b = ?$$

- A) $a^2 - b^2$ B) $a^2 + b^2$ C) $a^2 - 2b$
D) $a^2 - b$ E) $a - b^2$

11.

▲	3	K	7
6	9		21
4			14
12	18	24	

$$\Rightarrow K = ?$$

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

12.

▲	2	3	4
5	A	14	
6		B	
7	11	C	23

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

- A) 10 B) 20 C) 30 D) 40 E) 50

13.

▲	2	3	4
8	6		
11	X	9	16
13	12	27	

$$\Rightarrow X = ?$$

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

14.

■	12	13	14
8	C	3	
9	3		B
13	A		9

$$\Rightarrow A - (B + C) = ?$$

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

15.

●	21	K	33
12	—	3	9
17	—	4	10
24	9	—	—

$$\Rightarrow K = ?$$

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

16.

	△	□	☆	○
□	—	8	—	10
☆	—	9	—	11
○	—	10	—	12
○	—	K	—	L

$$\Rightarrow K = ?$$

$$\Rightarrow L = ?$$

- A) —, 11 B) 11, — C) 11, 13
D) 13, 11 E) 13, —

Yanıtlar / Answers

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

1.

●	12	13	14
6	6		K
7	L	5	
8		M	4

$$\Rightarrow K + L + M = ?$$

- A) 10 B) 12 C) 13 D) 14 E) 15

2.

★	A	B	C
x	3	8	7
y	5	9	4
z	6	1	2

$$\Rightarrow (x \star A) + (y \star c) + (z \star c) = ?$$

- A) 7 B) 9 C) 11 D) 13 E) 15

3.

●	4	1	8
11	30	K	38
6	L	14	28
3	14	8	M

$$\Rightarrow K + L + M = ?$$

- A) 66 B) 70 C) 74 D) 76 E) 78

4.

○	13	22	18
8	5	14	K
11	2	L	7
9	M	13	9

$$\Rightarrow K - L + M = ?$$

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

5.

	A	B	C
8	23	L	8
14	41	29	M
23	K	47	23

$$\Rightarrow K - L - M = ?$$

- A) 33 B) 34 C) 38 D) 36 E) 37

6.

	3	4	7
A	9	K	49
B	9	L	21
C	7	9	M

$$\Rightarrow K - M + L = ?$$

- A) 5 B) 10 C) 12 D) 13 E) 15

7.

	☆	●	▲
15	6	4	z
23	5	y	6
18	x	7	8

$$\Rightarrow x + y + z = ?$$

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

8.

	■	▲	●
6	7	9	c
7	8	b	13
8	a	11	15

$$\Rightarrow \frac{a+c}{b} = ?$$

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

9.

●	K	L	M
a	18	12	23
b	16	14	9
c	28	16	32

$$\Rightarrow \frac{(a \bullet K) \times (a \bullet L)}{(b \bullet M)} = ?$$

- A) 18 B) 22 C) 24 D) 26 E) 28

10.

▲	2	10	14
4	3	7	L
8	5	M	11
12	K	11	13

$$\Rightarrow K + L + M = ?$$

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

11.

★	28	27	33
24	16	15	x
18	y	18	15
36	19	z	15

$$\Rightarrow x + y - z = ?$$

- A) 8 B) 13 C) 12 D) 15 E) 18

12.

□	7	3	11
4	10	3	K
2	L	6	4
9	9	M	18

$$\Rightarrow K - L + M = ?$$

- A) 8 B) 9 C) 12 D) 15 E) 18

13.

□	8	5	4
7	30	24	K
9	34	L	26
3	M	16	14

$$\Rightarrow K + M - L = ?$$

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

14.

▲	2	3	4
12	16	18	a
13	b	19	21
14	18	c	22

$$\Rightarrow a + b + c = ?$$

- A) 47 B) 48 C) 50 D) 57 E) 67

15.

☆	18	24	28
25	3	4	5
16	7	8	9
19	3	2	1

$$\Rightarrow \frac{(25 \star 18) + (16 \star 28)}{(19 \star 24) + (19 \star 28)} = ?$$

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

16.

★	13	17	21
11	2		x
15	y	2	
19		z	2

$$\Rightarrow x + y + z = ?$$

- A) 11 B) 12 C) 13 D) 14 E) 15

Yanıtlar / Answers

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

1.

☆	5	7	12
4	10		L
3	K	—	18
2		7	M

 $\Rightarrow K, L, M = ?$

- A) 24, —, 12 B) 12, 24, — C) —, 24, 12
D) —, 12, 24 E) 24, 12, —

2.

■	21	32	44
K	3	A	8
L	B	6	16
M	1	1	C

 $\Rightarrow A + B + C = ?$

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

3.

	△	□	
▽	—	—	K
○	M	30	24
◇	L	—	20

 $\Rightarrow K, L, M = ?$

- A) 12, 15, 18 B) 12, —, 18 C) —, 15, —
D) 12, —, — E) —, —, —

4.

■	21	34	52
4	—	*	B
6	—	A	*
7	C	—	—

 $\Rightarrow C, B, A = ?$

- A) —, —, — B) —, *, — C) *, *, *
D) *, *, — E) *, —, *

5.

■	5	7	12
4		15	
2	9		16
1	?		14

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

6.

	2	5	9
12	—	—	?
9	—	1	9
3	1	7	15

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

7.

■	5	9	13	18
4	9	D		
7		6	B	
11	A			9
15	0		8	C

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

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

8.

■	4	5	6
3	2	5	8
5	0	?	0
7	8	5	2

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

9.

—	7	9	13
x	14		C
y	B	27	
z	49		A

$$\Rightarrow A - (B + C) = ?$$

- A) 24 B) 42 C) 63 D) 94 E) 122

10.

■	5	6	8
4			?
3		27	
2	21		

- A) 12 B) 24 C) 36 D) 42 E) 64

11.

■	8	12	15
4	4		
7		9	6
9	?	15	

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

12.

	4	8	10
5	14		
7		22	?
9	22		

- A) 9 B) 18 C) 24 D) 32 E) 48

13.

	12	15	19
8	12		
9		18	30
11	?	12	24

- A) 3 B) 12 C) 24 D) 35 E) 42

14.

	5	9	13
21	8		?
38		20	
54	14		13

- A) 3 B) 5 C) 7 D) 9 E) 11

15.

	1	4	9
16		6	M
25	K		8
36	7		L

$$\Rightarrow K + L + M = ?$$

- A) 14 B) 18 C) 22 D) 26 E) 30

16.

	4	5	9
12		7	2
11	5		
8	2	?	7

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

Yanıtlar / Answers

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

1.

	5	7	9
12			9
15	100	?	
18			81

- A) 16 B) 24 C) 36 D) 54 E) 64

2.

	5	9	14
12	29		
7	?		28
3		15	

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

3.

	17	24	38
5			66
13	8		
15	4	18	?

- A) 15 B) 28 C) 36 D) 46 E) 54

4.

	△	□	○
7		49	C
14	28	A	
21	B		63

$$\Rightarrow A - (B + C) = ?$$

- A) 38 B) 54 C) 72 D) 93 E) 133

5.

	4	6	8
12	6	?	
14	8		4
16	0	4	

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

6.

	14	32	68
24	3		?
43	5	7	
52	6		12

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

7.

	13	21	34
9	13		16
11		5	
27	?		16

- A) 5 B) 7 C) 9 D) 11 E) 13

8.

	K	L
3	9	
5		B
9	A	729

$$\Rightarrow B - A = ?$$

- A) 18 B) 22 C) 34 D) 44 E) 58

9.

	9	7	3
12		?	27
8	3		
5	12	6	

- A) 2 B) 7 C) 15 D) 23 E) 32

10.

	21	32	44
13	12		
9		4	?
6	14		0

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

11.

	17	23	42
62		?	
54	17		15
35		13	

- A) 13 B) 11 C) 9 D) 7 E) 5

12.

	4	6	7
3		33	
5	11		?
9	7		40

- A) 44 B) 45 C) 46 D) 47 E) 48

13.

	7	12	14
5	K	—	—
9	8	L	—
13	10	—	M

⇒ K, L, M = ?

- A) —, —, 12 B) —, —, 6 C) —, 6, —
D) 6, —, — E) 12, —, —

14.

	5	9	13
7		?	
8	3		2
12		2	10

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

15.

	13	21	42
65		32	
58	43		48
43	15		?

- A) 12 B) 20 C) 34 D) 48 E) 62

16.

	7	9	12
5	?		3
4	5		
3		0	—

- A) — B) 4 C) 8 D) 12 E) 16

Yanıtlar / Answers

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

1.

5	10	3	7
3	9	K	6
6	8	6	5
3	5	8	9

 $\Rightarrow K = ?$

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

2.

3	7	8	5
9	5	2	3
6	4	6	6
2	4	4	L

 $\Rightarrow L = ?$

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

3.

6	4	8	3
6	3	9	2
K	L	4	3
6	5	3	10

 $\Rightarrow K \cdot L = ?$

- A) 8 B) 9 C) 12 D) 15 E) 18

4.

14	13	15	12
9	17	12	14
8	16	10	14
M	7	5	10

 $\Rightarrow M = ?$

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

5.

6	3	5	8
5	8	4	5
3	6	2	10
10	4	10	K

 $\Rightarrow K = ?$

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

6.

1	1	2	2
1	0	1	0
2	3	1	6
3	1	1	L

 $\Rightarrow K = ?$

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

7.

4	16	8	2
5	10	8	4
8	6	3	4
K	5	10	6

 $\Rightarrow K = ?$

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

8.

2	7	9	3
6	4	8	8
3	2	4	8
1	5	3	M

 $\Rightarrow M = ?$

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

9.

2	13	3
1	17	4
2	M	4

 $\Rightarrow M = ?$

- A) 16 B) 18 C) 20 D) 22 E) 24

10.

4	2	4
9	3	36
5	1	K

3	2	25
2	4	36
8	1	L

 $\Rightarrow K + L = ?$

- A) 94 B) 95 C) 96 D) 97 E) 98

11.

3	4	22	5	2
1	6	27	7	3
5	2	M	2	3
4	3	19	1	7

 $\Rightarrow M = ?$

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

12.

3	2	1
4	2	8
12	9	27
8	6	8
14	10	?

- A) 27 B) 36 C) 49 D) 64 E) 81

13.

2	3	4	5
6	8	9	2
5	7	3	1
6	9	8	7
19	27	24	K

 $\Rightarrow K = ?$

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

14.

6	4	5	5
8	2	11	7
6	2	10	6
5	3	4	K

 $\Rightarrow K = ?$

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

15.

4	3	5
6	3	3
2	6	K

1	5	4
6	2	2
L	3	4

 $\Rightarrow K + L = ?$

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

16.

3	3	3	3
1	1	2	2
8	7	10	5
8	2	6	L

 $\Rightarrow L = ?$

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

Yanıtlar / Answers

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

1.

2	3	4	2
4	2	4	3
1	2	3	1
8	4	8	4
6	8	?	9

Sonuç
(Result)

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

2.

9	5	4	6
12	4	8	4
?	5	6	7
14	7	0	5

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

3.

7	9	4	4
3	8	4	3
14	4	7	5
24	3	33	12
15	11	9	?

Sonuç
(Result)

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

4.

13	8	15	10	17
16	11	18	13	20
19	14	21	16	23
22	17	24	19	26
25	?	?	?	29

- A) 22, 20, 27 B) 27, 22, 20
C) 22, 27, 20 D) 20, 22, 27
E) 20, 27, 22

5.

4	12	3	6
3	4	9	12
4	8	9	36
3	6	3	?

Sonuç
(Result)

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

6.

9			15
		L	
			25
K	26		M

$$\Rightarrow K + L + M = ?$$

- A) 62 B) 72 C) 82 D) 92 E) 102

7.

5	4	9	6	3
3	7	5	4	8
6	3	5	4	9
8	8	7	4	?

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

8.

12	9	4	5
2	3	4	3
9	13	14	6
18	23	8	?

Sonuç
(Result)

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

9.

Sonuç
(Result)

2	1	6	6
5	1	2	?
3	4	3	7
1	2	5	5
7	2	9	9

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

10.

8	4	6	7
4	3	5	4
9	9	12	19
23	3	18	?

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

11.

15	8	7
4	3	1
34	13	21
21	?	8

- A) 15 B) 13 C) 11 D) 9 E) 7

12.

Sonuç
(Result)

3	?	2	25
5	1	1	49
3	1	4	64
3	4	2	81

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

13.

Sonuç
(Result)

42	2	9	4	7
6	0	8	4	14
4	1	5	2	38
?	1	2	8	16
5	1	0	5	21

- A) 8 B) 6 C) 4 D) 2 E) 0

14.

Sonuç
(Result)

6	2	4	48
3	2	4	24
8	2	1	K
17	L	9	

$$\Rightarrow K - L = ?$$

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

15.

Sonuç
(Result)

9	5	5	7
7	6	3	12
8	5	10	5
12	8	?	12

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

16.

3	4	18	5
4	3	2	21
4	2	3	21
6	?	6	15

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

Yanıtlar / Answers

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

1.

2	6	1	2
3	9	2	7
K	5	3	5
7	3	2	1

$\Rightarrow K = ?$

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

2.

18	24	6	?
6	4	2	2
3	6	3	8

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

3.

Sonuç
(Result)

5	7	10	8
4	8	6	2
x	12	15	9
3	1	3	5

$\Rightarrow x^2 = ?$

- A) 9 B) 16 C) 25 D) 36 E) 49

4.

4	3	9	3
5	4	12	8
x	6	9	9
3	5	y	8

$\Rightarrow x + y = ?$

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

5.

5	8	12	4	29
11	7	6	1	25
9	6	13	7	35
8	9	3	5	25
16	8	?	?	36

- A) 9, 2 B) 11, 3 C) 8, 4
-
- D) 6, 5 E) 7, 6

6.

Sonuç
(Result)

2	1	6	6
0	6	4	4
1	2	5	x
7	2	9	y

$(y - x)^2 = ?$

- A) 9 B) 16 C) 25 D) 36 E) 49

7.

4	7	8	x
5	3	4	7
3	6	4	2
2	2	4	7
14	9	16	14

$\Rightarrow x = ?$

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

8.

9	12	6
5	4	6
12	x	6

$\Rightarrow x = ?$

- A) 15 B) 18 C) 21 D) 27 E) 30

9.

6	12	4
8	8	2
9	18	x
y	24	8

$$\Rightarrow x + y = ?$$

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

10.

26	12
48	32
64	x

$$\Rightarrow x = ?$$

- A) 12 B) 18 C) 24 D) 30 E) 36

11.

2	4	4	6
1	8	9	2
3	2	8	x
6	3	9	7

$$\Rightarrow x = ?$$

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

12.

9	4	25
6	3	9
12	7	x
8	4	16

$$\Rightarrow x = ?$$

- A) 4 B) 25 C) 64 D) 81 E) 144

13.

16	8	21
44	25	33
34	14	12
36	A	23

$$\Rightarrow A = ?$$

- A) 24 B) 18 C) 12 D) 6 E) 0

14.

9	2	1
6	2	8
12	8	0
7	3	x

$$\Rightarrow x = ?$$

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

15.

Sonuç
(Result)

12	21	33	12
42	11	34	15
17	27	12	x

$$\Rightarrow x = ?$$

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

16.

9	7	8
7	2	125
8	x	216
6	3	27

$$\Rightarrow x = ?$$

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

17.

5	1	2	5
8	5	1	2
X	3	4	3

$$\Rightarrow X = ?$$

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

Yanıtlar / Answers

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

1.

Sonuç (Result)			
5	7	9	M
8	3	4	15
6	K	7	17
1	7	L	10

$\Rightarrow K + L + M = ?$

- A) 27 B) 30 C) 33 D) 36 E) 39

2.

5	3	21	6
7	9	1	7
12	2	3	11
24	14	25	x

$\Rightarrow x = ?$

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

3.

16	8	6	4
12	6	2	9
4	2	2	3
12	3	x	y

$\Rightarrow x, y = ?$

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

4.

Sonuç (Result)				
3	6	2	4	12
4	8	3	6	12
5	1	2	7	24
3	2	1	6	16
6	4	5	9	K

$\Rightarrow K = ?$

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

5.

1	2	5	5
0	6	4	4
2	1	6	6
0	2	7	x

$\Rightarrow x = ?$

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

6.

6	4	2	7
x	1	6	y
5	1	5	3
8	3	2	4

$\Rightarrow x, y = ?$

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

7.

Sonuç (Result)			
1	3	2	6
4	2	3	L
5	1	2	10
Sonuç (Result)			
10	K	7	

$\Rightarrow \frac{L}{K} = ?$

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

8.

2	1	0	6
3	8	2	L
4	2	1	2
K	4	1	8

$\Rightarrow K - L = ?$

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

9.

6	8	0	0
0	3	7	0
3	2	4	24
K	7	2	42

 $\Rightarrow K = ?$

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

10.

6	7	8
5	7	9
8	x	8

 $\Rightarrow x = ?$

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

11.

6	36	12	8
5	17	18	7
4	12	12	6
x	1	y	9

 $\Rightarrow y = ?$

- A) $9x + 2$ B) $9x + 1$ C) $9x$
D) $9x - 1$ E) $9x - 2$

12.

4	3	6
2	5	3
20	34	A

 $\Rightarrow A = ?$

- A) 30 B) 35 C) 40 D) 45 E) 50

13.

6	2	32
5	3	16
8	x	39

 $\Rightarrow x = ?$

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

14.

5	8	2	20
3	4	6	2
4	8	4	y
3	z	12	2

 $\Rightarrow y + z = ?$

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

15.

4	6	9
16	8	4
5	10	K

 $\Rightarrow K = ?$

- A) 3 B) 6 C) 12 D) 18 E) 20

16.

2	3	25
4	2	36
x	y	64

 $\Rightarrow x + y = ?$

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

17.

6	8	10	12
14	4	8	13
10	12	20	21
4	2	24	K

 $\Rightarrow K = ?$

- A) 11 B) 12 C) 13 D) 14 E) 15

Yanıtlar / Answers

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

1.

2	5	6	16
1	?	9	13
2	2	5	15
1	4	4	12

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

2.

Sonuç (Result)			
5	7		35
6	2		12
8	4		K
9	3		27
Sonuç (Result)			
L	16		

$\Rightarrow K + L = ?$

- A) 40 B) 50 C) 60 D) 70 E) 80

3.

11	9	8
18	36	12
42	?	38

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

4.

3	5	8	7
7	2	9	5
4	?	6	2

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

5.

Sonuç (Result)			
4	7	12	4
5	8	11	8
7	9	2	K
Sonuç (Result)			
4	L	12	

$\Rightarrow K + L = ?$

- A) 3 B) 5 C) 7 D) 9 E) 11

6.

Sonuç (Result)			
3	2	1	11
2	1	9	2
6	3	3	?

- A) 30 B) 40 C) 50 D) 60 E) 70

7.

8	2	1	6
4	3	1	2
K	5	3	5
2	L	1	8

$\Rightarrow L - K = ?$

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

8.

8	30	7
4	14	3
5	?	7

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

9.

Sonuç (Result)			
3	2	7	144
4	6	3	169
8	4	3	225
7	5	2	x

 $\Rightarrow x = ?$

- A) 166 B) 176 C) 186 D) 196 E) 206

10.

	4	5	6
	2	4	3
Sonuç (Result)	?	61	189

- A) 36 B) 46 C) 56 D) 66 E) 76

11.

Sonuç (Result)			
3	2	6	6
5	1	5	5
8	2	4	8
9	3	3	?

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

12.

	5	7	9
	6	3	7
Sonuç (Result)	61	58	x

- A) 110 B) 120 C) 130 D) 140 E) 150

13.

5	2	1	24
6	7	2	45
3	8	4	?
2	1	8	33

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

14.

6	8	12	13
7	2	6	4
8	5	8	9
⇒ x = ?			

Sonuç
(Result)

5	5	10	x
---	---	----	---

 $\Rightarrow x = ?$

- A) 8 B) 6 C) 4 D) 2 E) 0

15.

5	12	22
7	14	28
6	11	?

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

16.

Sonuç (Result)			
4	1	4	9
5	3	2	0
8	4	1	3
6	7	8	?

- A) 8 B) 6 C) 4 D) 2 E) 0

Yanıtlar / Answers

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

1.

	4	5	7	6
	3	8	3	4
	6	16	6	9
Sonuç (Result)	6	24	15	L

$\Rightarrow L = ?$

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

2.

	2	1	3	4	12
	5	6	7	1	24
	2	4	5	6	K
	1	4	3	7	16
	8	9	2	1	28

$\Rightarrow K = ?$

- A) 16 B) 17 C) 18 D) 19 E) 20

3.

	2	3	6	2	18
	5	4	1	2	22
	7	2	3	1	M
	4	3	6	2	24

$\Rightarrow M = ?$

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

4.

	9	8	6	5
	1	2	3	4
	4	5	6	7
Sonuç (Result)	6	5	3	L

$\Rightarrow L = ?$

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

5.

	3	4	5	24
	6	8	1	30
	7	2	6	30
	4	9	5	K

$\Rightarrow L = ?$

- A) 34 B) 36 C) 38 D) 40 E) 42

6.

	10	8	6	14
	2	4	12	6
	8	18	4	2
Sonuç (Result)	10	L	11	11

- A) 9 B) 11 C) 13 D) 15 E) 17

7.

	9	5	12	3
	6	7	9	6
	8	14	5	13
Sonuç (Result)	22	25	M	21

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

8.

	2	1	3	4	2	8
	6	9	3	5	1	22
	7	1	8	2	6	12
	9	3	6	5	5	L

$\Rightarrow L = ?$

- A) 17 B) 18 C) 19 D) 20 E) 21

9.

5	2	2	5
6	2	3	6
3	3	2	7
4	3	6	K

 $\Rightarrow K = ?$

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

10.

6	5	8	5
9	10	6	5
4	6	10	9
8	6	3	K

 $\Rightarrow K = ?$

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

11.

1	1	64
2	4	8
16	2	2
4	4	4
8	1	K

 $\Rightarrow K = ?$

- A) 2 B) 4 C) 6 D) 8 E) 16

12.

4	8	3	6
5	7	9	3
6	9	8	1
14	47	19	K

 $\Rightarrow K = ?$

- A) 16 B) 17 C) 18 D) 19 E) 20

13.

2	3	26	10	11
5	6	26	6	9
4	3	K	1	5
1	7	21	6	7
8	2	18	3	5

 $\Rightarrow K = ?$

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

14.

5	3	1	2	5
2	7	1	2	8
6	3	2	1	6
4	4	2	5	L

 $\Rightarrow L = ?$

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

15.

6	4	8	3
2	3	2	3
3	6	6	2
6	4	4	M

 $\Rightarrow M = ?$

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

16.

4	8	16	2
5	4	2	10
18	2	6	6
9	5	3	K

 $\Rightarrow K = ?$

- A) 3 B) 7 C) 9 D) 12 E) 15

Yanıtlar / Answers

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

1.

Sonuç
(Result)

14	6	8	16
9	7	12	14
5	1	10	K
6	4	8	10

 $\Rightarrow K = ?$

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

2.

Sonuç
(Result)

16	18	24	10
6	9	3	12
8	14	5	17
11	14	19	L

 $\Rightarrow L = ?$

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

3.

Sonuç
(Result)

4	8	3	6	14
5	6	7	4	2
9	2	3	5	3
7	8	9	4	M

 $\Rightarrow M = ?$

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

4.

Sonuç
(Result)

3	4	1	2	N
5	6	7	1	20
1	2	4	8	16
9	1	6	2	19

 $\Rightarrow N = ?$

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

5.

Sonuç
(Result)

10	14	5	8	11
9	7	6	1	9
5	9	3	8	3
6	14	10	2	R

 $\Rightarrow R = ?$

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

6.

4	12	6	6	7
8	2	14	8	3
6	2	16	8	5
10	8	2	14	5
14	12	M	18	10

 $\Rightarrow M = ?$ Sonuç
(Result)

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

7.

Sonuç
(Result)

6	9	12	15	L
3	3	18	21	15
6	9	6	3	8
3	3	6	12	8

 $\Rightarrow L = ?$

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

8.

Sonuç
(Result)

16	10	3	L
2	4	8	3
8	8	4	4
4	5	6	9

 $\Rightarrow L = ?$

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

9.

Sonuç
(Result)

11	12	5	3
18	61	7	4
15	72	21	3
L	39	4	8

 $\Rightarrow L = ?$

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

10.

Sonuç
(Result)

5	10	2	7	3	3
6	12	13	6	3	2
7	7	8	9	15	10
M	3	5	2	1	5

 $\Rightarrow M = ?$

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

11.

3	9	12	8
7	8	13	6
15	7	5	5
5	4	2	5
15	14	16	K

 $\Rightarrow K = ?$ Sonuç
(Result)

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

12.

Sonuç
(Result)

4	7	5	N
6	3	4	7
10	6	17	12
14	15	3	16

 $\Rightarrow N = ?$

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

13.

3	5	5	8
6	6	4	3
4	18	17	16
14	12	3	K

 $\Rightarrow K = ?$ Sonuç
(Result)

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

14.

Sonuç
(Result)

4	3	5	7	3
6	9	8	3	9
4	7	2	6	K
9	8	1	4	8
4	L	2	6	

 $\Rightarrow K + L = ?$ Sonuç
(Result)

- A) 11 B) 12 C) 13 D) 14 E) 15

15.

Sonuç
(Result)

3	9	6	5	8
8	7	1	4	12
9	6	8	5	14
4	3	8	3	M
11	16	N	9	

 $\Rightarrow M + N = ?$ Sonuç
(Result)

- A) 11 B) 12 C) 13 D) 14 E) 15

16.

Sonuç
(Result)

3	8	9	L
5	1	7	26
2	6	4	24
30	K	60	

 $\Rightarrow K + L = ?$ Sonuç
(Result)

- A) 85 B) 90 C) 100 D) 110 E) 1120

Yanıtlar / Answers

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

1.

6	4	2	7
8	2	4	3
4	?	0	5
9	4	5	5

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

2.

7	6	9	8
3	4	5	6
1	0	3	2
5	2	K	L

$$\Rightarrow K + L = ?$$

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

3.

Sonuç
(Result)

7	9	9	5
1	4	4	3
8	16	12	?
9	2	5	4

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

4.

Sonuç
(Result)

3	7	5	11
7	8	5	4
2	12	5	3
4	9	5	?

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

5.

Sonuç
(Result)

6	3	2	6
3	9	3	?
5	5	1	5
1	7	7	7
16	2	2	8

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

6.

12	3	5	2
16	2	0	4
?	8	0	13

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

7.

4	3	6	6
5	2	7	3
6	3	6	12
4	5	14	?

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

8.

3	5	9	3
2	11	3	?
5	7	2	6
4	2	9	5

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

9.

Sonuç (Result)			
5	7	9	5
7	11	3	7
9	6	2	9
13	5	7	?

- A) 11 B) 12 C) 13 D) 14 E) 15

10.

Sonuç (Result)			
4	2	5	8
5	6	7	2
0	2	15	?

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

11.

Sonuç (Result)		
2	9	8
4	5	7
7	11	3
4	?	9

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

12.

Sonuç (Result)			
5	7	4	8
9	3	6	?
5	12	3	10
8	4	2	7

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

13.

+	a	b	c
a	b ⁴		
b			

x	a	b	c
a	2·c	c/2	
b			

$$\Rightarrow a + c = ?$$

- A) 36 B) 38 C) 40 D) 42 E) 44

14.

12	6	4	12
6	8	2	10
21	13	2	5
7	x	y	11

$$\Rightarrow x \cdot y = ?$$

- A) 16 B) 18 C) 20 D) 22 E) 24

15.

6	3	3
8	5	17
3	2	1
7	?	9

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

16.

1	2	1	1
4	2	2	6
4	5	1	9
10	?	11	7

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

Yanıtlar / Answers

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

1.

★	5	2	8	3
7	13	10	16	11
1	7	4	10	5
6	12	9	15	10
8	?	?	?	12

- A) 13, 10, 16 B) 10, 11, 15 C) 12, 9, 15
D) 14, 15, 17 E) 14, 11, 17

2.

x	a	b	c
a			27
b	54		
c		18	

$$\Rightarrow \frac{a \cdot b}{c} = ?$$

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

3.

5	4	7	2	Sonuç (Result)
8	5	9	3	6
1	9	3	2	13
7	3	4	4	3
				?

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

4.

	△	□	⬠
2	6	8	A
3	B	12	15
5	15	C	25

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

- A) 35 B) 39 C) 43 D) 47 E) 51

5.

+	a	b	c
a	b+4	$\sqrt{c}$	
b		a+1	
c			

$$\Rightarrow c - b - a = ?$$

- A) 16 B) 17 C) 18 D) 19 E) 20

6.

9	1	6	7
8	7	3	5
7	4	?	9
3	6	8	6

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

7.

x	a	b	c
a		3c	
b			48
c	32		

$$\Rightarrow b + c = ?$$

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

8.

8	11	5	2
7	4	3	1
3	4	20	8
12	7	5	1
7	?	2	1

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

9.

+	a	b	c
a		39	
b			21
c			

 $\Rightarrow b = ?$

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

10.

	5	3	4	2
11	96	112	105	119
10	75	91	84	96
9	56	72	66	77
8	?	?	?	60

- A) 24, 30, 47 B) 60, 48, 55 C) 55, 61, 40
D) 48, 39, 27 E) 39, 55, 48

11.

+	a	b	c
a			b/2
b			
c			

 $\Rightarrow a - c = ?$

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

12.

33			45	
	a			
				b
24		32		

 $\Rightarrow a + b = ?$

- A) 76 B) 77 C) 78 D) 79 E) 80

13.

5	3	7	8
2	4	6	2
4	5	11	9
6	3	13	?

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

14.

x	a	b	c
a			
b		c	
c		a/3	a

 $\Rightarrow a + c = ?$

- A) 9 B) 12 C) 30 D) 84 E) 90

15.

				Sonuç (Result)
3	5	7	4	23
8	3	1	5	22
9	6	3	3	A
20	14	B	12	

 $\Rightarrow A + B = ?$

- A) 33 B) 34 C) 35 D) 36 E) 37

16.

	4	6	1
9	3	5	★
7	1	3	8
6	I	II	III

 $\Rightarrow I = ?$ $\Rightarrow II = ?$ $\Rightarrow III = ?$

- A) 8, ★, 7 B) ★, 9, 1 C) 5, ★, ★
D) 7, 3, 8 E) ★, 2, 7

Yanıtlar / Answers

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

1.

	7	4	5
2	★	3	★
1	4	★	3
3	I	II	III

$\Rightarrow I = ?$

$\Rightarrow II = ?$

$\Rightarrow III = ?$

- A) 5, ★, 4 B) 6, 7, 8 C) 10, ★, 5
D) ★, 3, 1 E) ★, 5, ★

2.

+	a	b	c
a			24
b	18		
c		28	

$\Rightarrow \frac{c-a}{2} = ?$

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

3.

x	a	b	c
a		24	
b			12
c	32		

$\Rightarrow c^2 = ?$

- A) 9 B) 16 C) 25 D) 36 E) 49

4.

▼	5	7	8
9	28	32	A
3	B	20	22
1	12	C	18

$\Rightarrow A+B+C = ?$

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

5.

+	a	b	c	d
a				
b				5
c	4			
d				

$\Rightarrow ab + ad + bc + dc = ?$

- A) 9 B) 16 C) 20 D) 25 E) 30

6.

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

$\Rightarrow [(a \odot c) \odot d] \odot (a \odot d) = ?$

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

7.

9	8	3	4
6	2	9	8
7	8	5	1
5	9	10	?

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

8.

8	1	3	2	49
7	5	4	3	32
4	9	1	5	34
6	2	5	1	?

Sonuç
(Result)

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

9.

A				36
				32
	19			
			B	

$$\Rightarrow A - B = ?$$

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

10.

17	23	15	27
13	11	9	8
30	12	24	?

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

11.

x	a	b	c
a	b	c	
b		2c	
c			

$$\Rightarrow c = ?$$

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

12.

★	5	3	4	6
7	12	10	28	42
2	10	6	16	24
8	40	?	?	?

- A) 25, 17, 96 B) 96, 48, 96 C) 24, 64, 96
D) 64, 24, 48 E) 24, 64, 108

13.

				
I	1	2	3	?
II	4	3	5	?
III	4	4	7	?

- A) 6, 3, 5 B) 5, 4, 12 C) 3, 6, 6
D) 6, 5, 10 E) 6, 6, 9

14.

+	a	b	c
a		23	
b			38
c			

x	a	b	c
a			126
b			
c			

$$\Rightarrow c = ?$$

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

15.

+	a	b	c	d
a	b			
b		c		
c			d	
d		?		b ²

$$\Rightarrow a = ?$$

- A) 9 B) 12 C) 15 D) 18 E) 21

Yanıtlar / Answers

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

1.

*	4	7	11
13	—	4	M
24	—	—	K
41	9	L	—

 $\Rightarrow K, L, M = ?$

- A) —, 7, — B) —, —, 7 C) 7, —, —
D) 7, 7, 7 E) —, —, —

5.

+	a	b	c
a			
b		c	

x	a	b	c
a	b+a		
b	2c		

 $\Rightarrow c + b = ?$

- A) 4 B) 5 C) 16 D) 24 E) 25

6.

		34	37
A			
34		40	
			B

 $\Rightarrow \frac{B-A}{3} = ?$

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

3.

+	a	b	c	d
a		28		
b			34	28
c	42			

 $\Rightarrow d = ?$

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

7.

+	K	L	M
K		a	21
L	30		c
M	b	25	

 $\Rightarrow \sqrt{b+c-a} = ?$

- A) 16 B) 62 C) 8 D) 4 E) 1

4.

12	8	5	5
41	1	7	7
12	18	34	8
13	63	5	?

- A) 6 B) 9 C) 12 D) 15 E) 18

8.

x	K	L
K		
L		M
M	32L	

 $\Rightarrow KL = ?$

- A) 8 B) 16 C) 32 D) 64 E) 128

9.

●	7	9	13
8	M	-	-
11	★	★	K
16	L	-	-

 $\Rightarrow K, L, M = ?$

- A) ★, ★, ★ B) —, —, — C) —, ★, —
D) ★, —, — E) —, ★, ★

10.

3	2	5	7	6
12	7	1	4	5
9	3	9	2	9
21	2	8	3	8
3	?	5	7	6

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

11.

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

$$[(a \bullet d) \bullet c] \bullet (X \bullet d) = c$$

$$\Rightarrow X = ?$$

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

12.

5	41	4
7	M	2
6	45	3
K	52	L

$$\Rightarrow M - (K + L) = ?$$

- A) 43 B) 45 C) 47 D) 49 E) 51

13.

▲	3	7	9
5			x
8	11	z	
14	y		

$$\Rightarrow x + z - y = ?$$

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

14.

■	□	△	◑
3	19	12	28
7	23	K	L
10	M	19	35

$$\Rightarrow \frac{KM}{L} = ?$$

- A) 13 B) 24 C) 30 D) 36 E) 40

15.

	12	2	9	8	15
	8	21	3	7	7
	3	14	5	4	12
	7	1	2	7	8
Sonuç (Result)	10	8	?	4	?

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

16.

5	8	5	6
7	4	10	3
13	4	?	4
11	1	3	9

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

Yanıtlar / Answers

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

1.

+	a	b	c
a		c+4	
b			a+20
c	b+10		

$\Rightarrow b = ?$

- A) 4 B) 7 C) 10 D) 12 E) 15

2.

+	a	b	c
a	4c	12	
b			
c			

$\Rightarrow \frac{2c+b}{2} = ?$

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

3.

x	a	b	c
a		108	
b			168
c	126		

$\Rightarrow a+b+c = ?$

- A) 34 B) 35 C) 36 D) 37 E) 38

4.

x	a	b	c
a	b	8	
b		c	
c			

$\Rightarrow b+c = ?$

- A) 16 B) 18 C) 20 D) 22 E) 24

5.

+	a	b	c
a		12	
b			
c		9	

x	a	b	c
a			
b	32		20
c			

$\Rightarrow a+b+c = ?$

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

6.

+	a	b	c
a		a ²	20
b	c		

x	a	b	c
a	c		
b			

$\Rightarrow c+b = ?$

- A) 26 B) 28 C) 30 D) 32 E) 34

7.

★	4	8	9
10		16	
5	8	K	
6			12

$\Rightarrow K = ?$

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

8.

●	42	23	16
14	11	10	
18	6		L
27	K		

$\Rightarrow K+L = ?$

- A) 21 B) 22 C) 23 D) 24 E) 25

9.

9	4	3	12
5	8	20	2
4	7	14	2
6	4	3	K

 $\Rightarrow K = ?$

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

10.

2	4	1	2
3	3	1	6
5	2	1	5
1	4	2	1
11	13	L	14

 $\Rightarrow L = ?$

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

11.

4	8	6	9
10	12	14	18
6	8	16	K
4	6	12	11

 $\Rightarrow K = ?$

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

12.

▲	4	8	6	7
5	20	40	30	12
1	K	8	6	8
6	2	2	L	42
3	12	24	18	M

 $\Rightarrow K + L + M = ?$

- A) 8 B) 14 C) 18 D) 25 E) 28

13.

●	8	6
3	55	27
5	39	K

■	4	5
2	20	29
7	L	74

 $\Rightarrow K + L = ?$

- A) 74 B) 75 C) 76 D) 77 E) 78

14.

2	5	3	6
1	1	4	1
3	6	2	4
18	36	L	33

 $\Rightarrow L = ?$ Sonuç
(Result)

- A) 9 B) 18 C) 27 D) 36 E) 45

15.

4	3	5	7
6	5	17	13
6	2	4	8
5	3	6	M

 $\Rightarrow M = ?$

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

16.

6	8	16	4
3	9	6	5
7	16	12	4
3	9	K	6

 $\Rightarrow K = ?$

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

Yanıtlar / Answers

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

1.

+	a	b	c
a		34	
b			37
c	31		

 $\Rightarrow b = ?$

- A) 14 B) 17 C) 20 D) 23 E) 26

2.

+	a	b	c
a		30	
b			40
c	32		

 $\Rightarrow a + b + c = ?$

- A) 50 B) 51 C) 52 D) 53 E) 54

3.

x	a	b	c
a			18
b	24		
c		48	

 $\Rightarrow a = ?$

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

4.

x	a	b	c
a		35	
b			28
c	20		

 $\Rightarrow a \cdot b \cdot c = ?$

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

5.

6	4	14	10
7	2	8	6
8	3	x	7
5	4	7	13

 $\Rightarrow x = ?$

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

6.

Sonuç
(Result)

5	3	4	2	7
6	4	7	3	3
7	4	5	5	3
5	x	7	4	7

 $\Rightarrow x = ?$

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

7.

8	1	7	4	20
5	9	6	8	28
6	3	7	1	17
2	3	5	6	x

 $\Rightarrow x = ?$

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

8.

*	2	3	4
7	9	A	
5	B	15	9
3	5	9	

 $\Rightarrow A - B = ?$

- A) 14 B) 16 C) 18 D) 20 E) 22

9.

+	a	b	c
a		2c	
b			18
c	22		

$\Rightarrow c = ?$

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

10.

*	3	7	8
5	4	A	-
4	B	-	6
6	-	C	7

$\Rightarrow A, B, C = ?$

- A) 2, -, 5 B) -, 7, 3 C) -, -, 6
D) 6, -, - E) -, -, -

11.

x	a	b	c
a			42
b	63		
c		54	

$\Rightarrow a + b + c = ?$

- A) 21 B) 22 C) 23 D) 24 E) 25

12.

7	6	36	1	6
9	4	8	7	4
3	7	11	2	5
8	5	28	4	3
9	2	x	2	6

$\Rightarrow x = ?$

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

13.

□	○	△	□	□
△	○	△	□	△
○	△	□	□	□
○	□	○	△	A
○	○	B	□	

$\Rightarrow A = ?$
 $\Rightarrow B = ?$

- A) △, △ B) △, □ C) □, △
D) □, ○ E) ○, △

14.

●	A	B	C
A		17	
B			14
C	15		

$\Rightarrow A \bullet (B + C) = ?$

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

15.

■	4	5	2
8	36	*	25
5	*	25	*
3	I	II	III

$\Rightarrow I = ?$
 $\Rightarrow II = ?$
 $\Rightarrow III = ?$

- A) *, 16, * B) 49, *, 16 C) 16, *, 25
D) 4, 9, 36 E) 8, *, *

16.

9	12	3	4
5	3	10	6
8	16	2	4
4	8	K	6

$\Rightarrow K = ?$

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

Yanıtlar / Answers

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

1.

●	△	□	◇	○
△	9	3		L
□		K	2	
◇	6			
○	M		3	9

$$\Rightarrow \sqrt{K+L+M} = ?$$

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

2.

+	a	b	c
a		x	
b			y
c	z		

x	a	b	c
a	$\frac{L}{2}$	K	
b		$\frac{M}{2}$	L
c	M		$\frac{K}{2}$

$$\Rightarrow x^2 + y^2 + z^2 = ?$$

- A) $\frac{K+L+M}{4}$ B) $\frac{K+L+M}{2}$ C) $K+L+M$
 D) $2 \cdot (K+L+M)$ E) $3 \cdot (K+L+M)$

3.

$\sqrt{+}$	a	b	c
a		$2\sqrt{6}$	
b			
c	$3\sqrt{2}$		

$\sqrt{x}$	a	b	c
a			
b			4
c			

$$\Rightarrow a = ?$$

- A) 16 B) 8 C) 4 D) 2 E) 1

4.

+	K	L	M
K		9	C
L	A		12
M		B	

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

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

5.

4	3	3	9	3
3	4	8	2	9
9	3	4	8	11
21	K	28	26	38

$$\Rightarrow K = ?$$

- A) 12 B) 13 C) 15 D) 18 E) 20

6.

●	a	b	c	d
a	1	5	6	7
b	5	2	8	9
c	6	8	3	10
d	7	9	10	4

$$\Rightarrow \frac{(a \bullet c)(b \bullet d)}{(b \bullet b)} = ?$$

- A) 25 B) 27 C) 29 D) 31 E) 33

7.

	18	23	34
12	12	33	K
17	3	L	51
25	M	—	27

$$\Rightarrow K, L, M = ?$$

- A) 21, 18, 66 B) 18, 21, 66 C) —, 66, 18
 D) —, 18, 66 E) 66, 18, —

8.

+	a	b
a		4a
b	x-b	

$$\Rightarrow x = ?$$

- A) a B) 3a C) 5a D) 7a E) 9a

9.

5	5	1	5
4	8	2	8
9	3	3	x
6	2	3	6

 $\Rightarrow x = ?$

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

10.

✱	□	○	△	◇
□	40	y		
○		10		30
△	x			
◇	45		z	

 $\Rightarrow x + y + z = ?$

- A) 70 B) 80 C) 90 D) 100 E) 110

11.

+	a	b	c
a		K	
b			L
c	M		

 $\Rightarrow 3b - 2a - c = ?$

- A) $L + 2K + 3M$ B) $2M - 3K + L$
 C) $K - 2L + 3M$ D) $2M - K + 6L$
 E) $K + 2L - 3M$

12.

■	4	7	9
5	K	6	L
8	6		-
12	8	M	

 $\Rightarrow K, L, M = ?$

- A) -, 7, - B) -, -, 7 C) 7, -, -
 D) 14, 7, - E) -, -, -

13.

+	a	b	c
a	b		12
b			
c		5a	

 $\Rightarrow b = ?$

- A) 0 B) 3 C) 6 D) 9 E) 12

14.

	4	9	6
8		35	
2	14	?	
5			23

- A) 26 B) 27 C) 28 D) 29 E) 30

15.

7	3	6	9
11	2	7	5
9	4	8	4
15	1	?	5

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

16.

8	2	1	□
5	1	5	◇
9	4	1	?
1	3	3	△

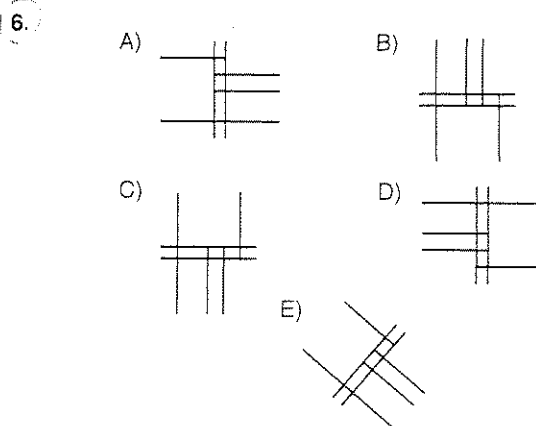
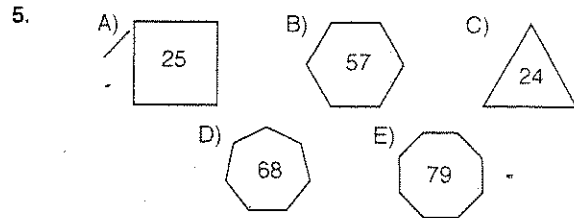
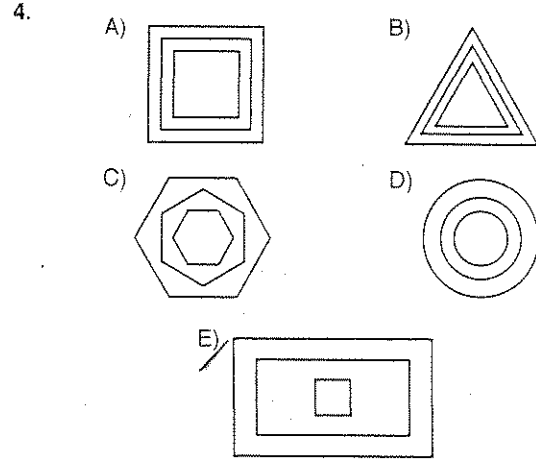
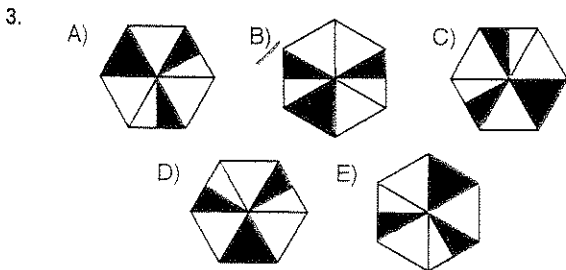
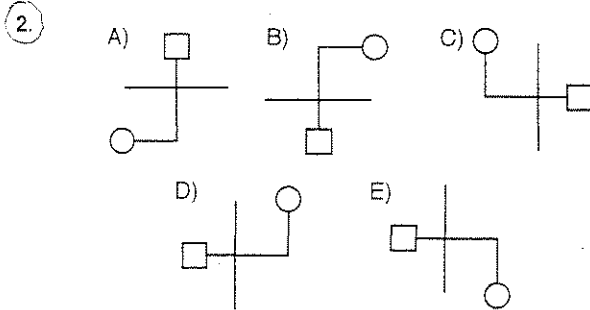
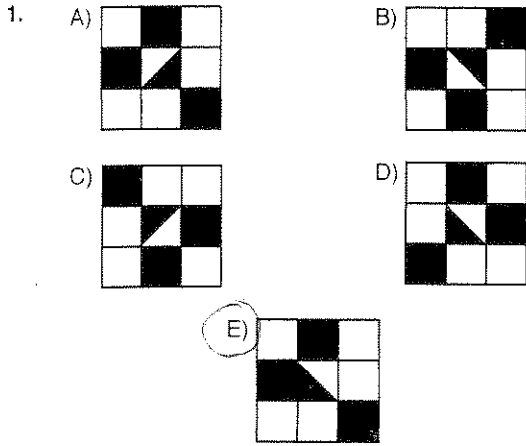
- A) △ B) □ C) ◇
 D) ○ E) ○

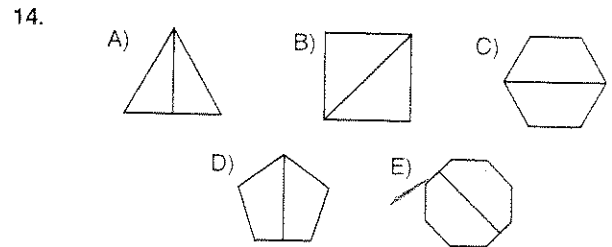
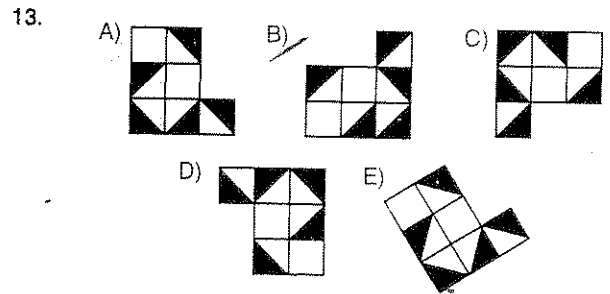
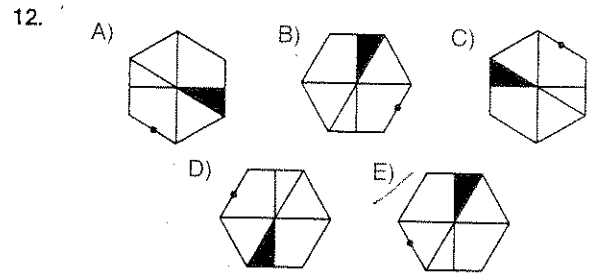
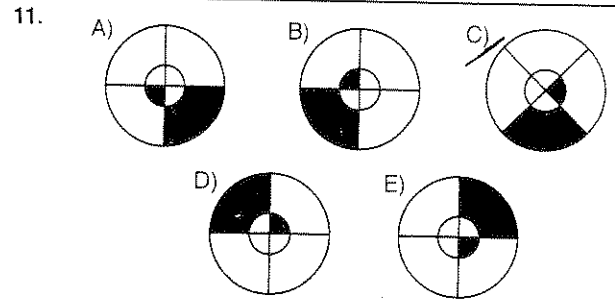
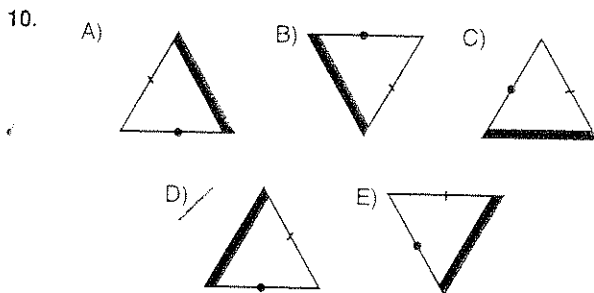
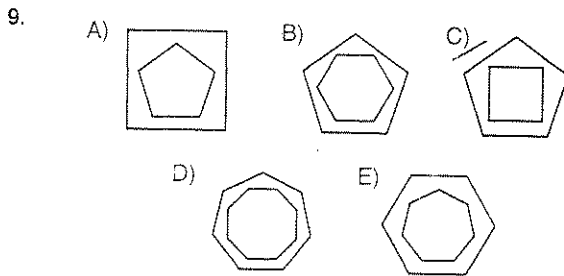
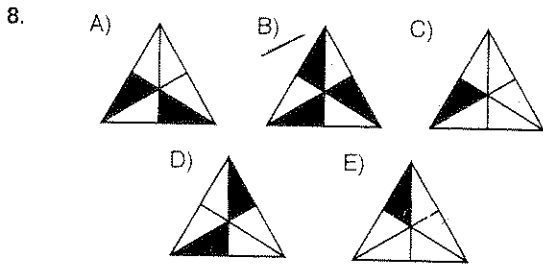
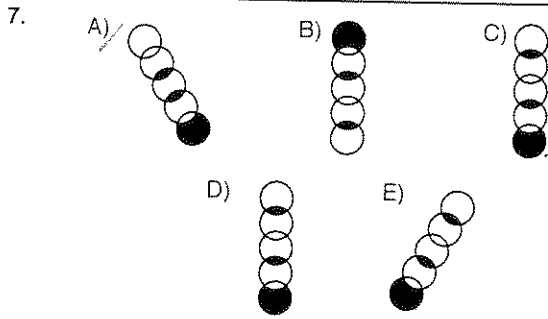
Yanıtlar / Answers

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

Aşağıdaki sorularda farklı olan şekli bulunuz

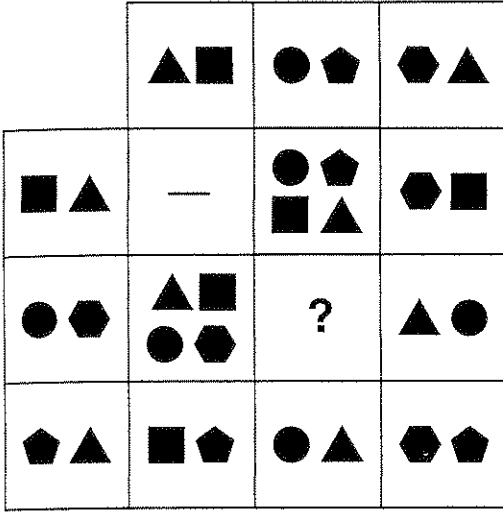
Find the different figure in the following questions below.





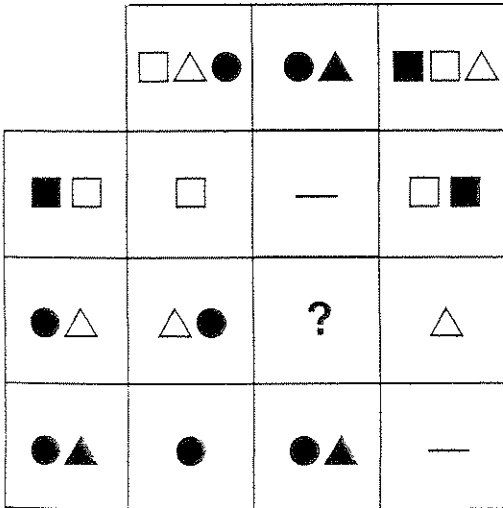
Yanıtlar / Answers				
1. E	4. E	7. A	10. D	13. B
2. D	5. A	8. B	11. C	14. E
3. B	6. B	9. C	12. E	

1.



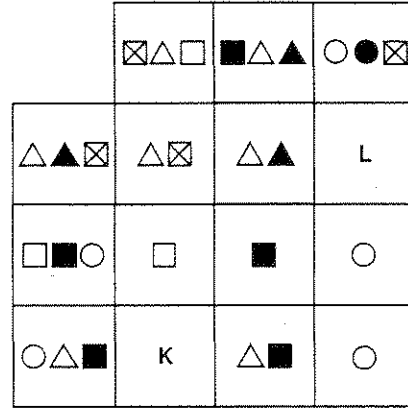
- A) B) C)
D) E)

2.



- A) B) C)
D) E)

3.



⇒ K = ?; L = ?

- | | | |
|----|---|---|
| | K | L |
| A) | | |
| B) | | |
| C) | | |
| D) | | |
| E) | | |

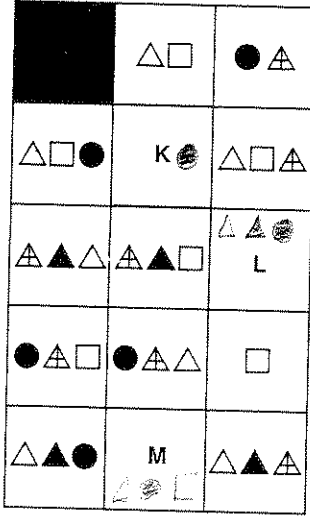
4.

	KLN	MKN	NLK	LMN
KLM	MK	MM	MN	Y
MNK	KK	KM	KN	KL
LKN	X	NM	NN	NL

⇒ X = ?; Y = ?

- A) LN; MK B) NM; ML C) KK; NL
D) KL; NM E) NK; ML

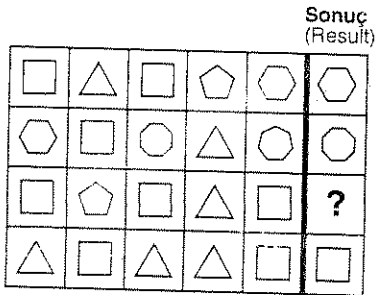
5.



⇒ K = ?; L = ?; M = ?

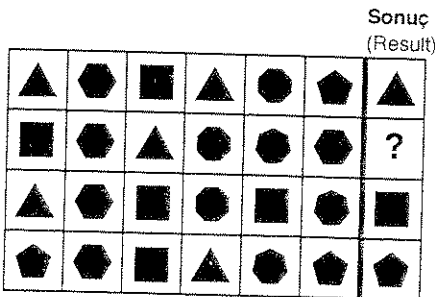
- | | K | L | M |
|----|---|---|---|
| A) | | | |
| B) | | | |
| C) | | | |
| D) | | | |
| E) | | | |

6.



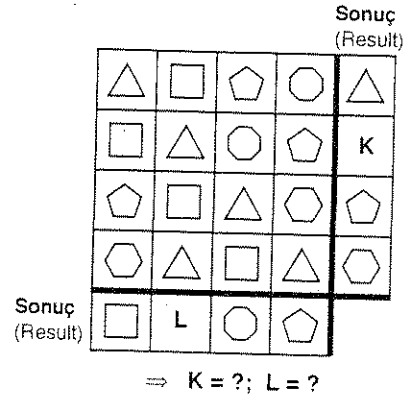
- A) B) C) D) E)

7.



- A) B) C) D) E)

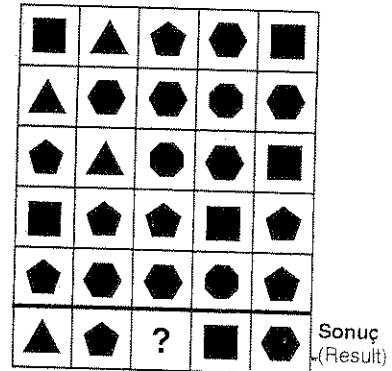
8.



⇒ K = ?; L = ?

- | | K | L |
|----|---|---|
| A) | | |
| B) | | |
| C) | | |
| D) | | |
| E) | | |

9.



- A) B) C) D) E)

10.

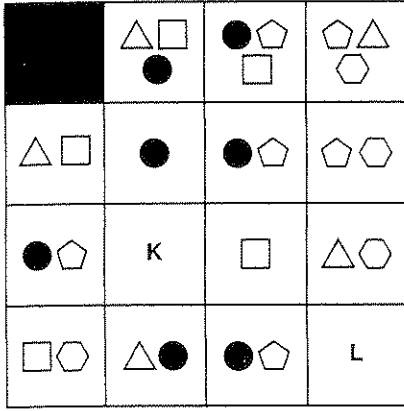
	Sonuç (Result)				
K	N	N	T	N	KN
L	K	L	K	T	LT
M	R	K	L	L	?
N	T	M	M	K	NK

- A) ML B) MK C) RK
D) RL E) KM

Yanıtlar / Answers

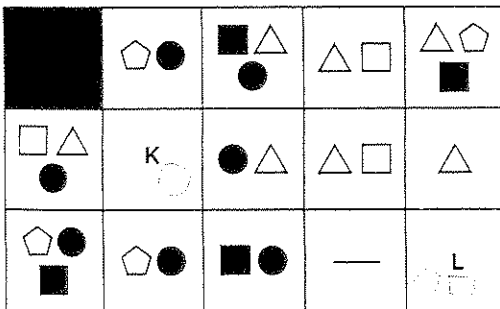
1. C	3. E	5. B	7. D	9. E
2. D	4. E	6. C	8. C	10. A

1.

 $\Rightarrow K = ? ; L = ?$

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

2.

 $\Rightarrow K = ? ; L = ?$

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

3.

	13	17
	16	K

	3	4
	L	5

 $\Rightarrow K + L = ?$ $20 + 4$

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

4.

					L
Sonuç (Result)	K				

 $\Rightarrow K = ? ; L = ?$

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

5.

 $\Rightarrow (\triangle \star \square) \star (\bullet \star \triangle) = ?$

- A) B) C) D) E)

6.

●	⊕	⊗	⊗	☆	×
⊕	×	⊕	×	⊗	⊕
⊗	⊕	☆	⊗	⊕	⊗
⊗	×	⊗	⊕	×	☆
☆	⊗	⊕	×	×	⊗
×	⊕	⊗	☆	⊗	⊗

$$\Rightarrow [(⊗ ⊗ ☆) ⊗ (⊕ ⊗ ×)] ⊗ ⊗ = ?$$

- A) ⊕ B) ⊗ C) ⊗ D) ☆ E) ×

7.

☆	K	M	L	N	R
K	R	K	N	L	M
M	K	L	R	N	L
L	N	R	K	L	M
N	L	N	L	M	K
R	M	L	M	K	N

$$K ☆ [(R ☆ X) ☆ (L ☆ N)] = R \Rightarrow X = ?$$

- A) K B) M C) L D) N E) R

8.

⊕	✓	▲	●	⊕
✓	▲	⊗	✓	⊗
●	⊗	●	⊕	▲

I.	II.	III.
K	K	L N ⊕
N ⊕ L	K L M	M
	M	

$$\Rightarrow K = ? ; L = ? ; M = ? ; N = ?$$

I, II ve III yukarıdaki tablonun farklı birer parçasıdır. Buna göre, K, L, M ve N'nin yerine aşağıdakilerden hangisi gelmelidir?

I, II and III are three different parts of the table above. Which of the following do K, L, M and N stand for?

- A) ✓; ⊗; ▲; ● B) ✓; ▲; ●; ⊗ C) ▲; ●; ✓; ⊗
D) ✓; ▲; ⊗; ● E) ▲; ⊗; ✓; ●

9.

K	N	R	L
K	L	M	R
R	M	L	M
R	N	K	L

I.	II.	III.
▲	L	●
▲	■	N
	■	▲

$$\Rightarrow \triangle = ? ; \blacksquare = ? ; \bullet = ?$$

I, II ve III yukarıdaki tablonun farklı birer parçasıdır.

Buna göre, ▲, ■ ve ● şekillerinin yerine aşağıdakilerden hangisi gelmelidir?

I, II and III are three different parts of the table above. Which of the following do ▲, ■ and ● stand for?

- | | | | |
|----|---|---|---|
| | ▲ | ■ | ● |
| A) | K | N | L |
| B) | N | M | K |
| C) | R | N | K |
| D) | K | M | L |
| E) | R | L | M |

10.

Sonuç
(Result)

△ □	● ■	⊗ □	■ ○	● □ ■
○ △	■ ⊗	△ □	○ ⊗	■ □ ○
● ▲	□ ■	○ □	L △	□ □ ⊗
△ ▲	● ■	△ ○	□ ⊗	● ○ □
⊗ ○	K ●	□ ■	○ □	△ ■ ○

$$\Rightarrow K = ? ; L = ?$$

- A) △; □ B) □; ■ C) ○; △; ⊗
D) ○; ■ E) ○; ⊗

Yanıtlar / Answers

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

1.

I	K	2	4
II	5	L	4
III	8	6	M

$$\Rightarrow K = ? ; L = ? ; M = ?$$

- A) 3; 8; 4 B) 8; 4; 3 C) 3; 4; 8
D) 8; 3; 4 E) 4; 3; 8

2.

	I	II	III
	2	3	K
	3	L	3
	M	2	6

$$\Rightarrow K = ? ; L = ? ; M = ?$$

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

3.

	I	II	III
	—	K	2
	L	3	—
	4	—	M

$$\Rightarrow K = ? ; L = ? ; M = ?$$

- A) 4; 5; 2 B) 4; 2; 5 C) 2; 5; 4
D) 5; 4; 2 E) 2; 4; 5

4.

I	2	4	L
II	2	K	2
III	M	3	2

$$\Rightarrow K + L + M = ?$$

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

5.

	I	II	III
	8	K	1
	5	5	L
	M	6	2
	6	5	2

$$\Rightarrow K = ? ; L = ? ; M = ?$$

	K	L	M
A)	6	1	7
B)	5	2	7
C)	5	1	9
D)	6	2	8
E)	4	3	8

6.

I	K	12	6
II	6	4	L
III	2	M	3

$\Rightarrow K = ? ; L = ? ; M = ?$

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

7.

	I	II	III
	2	3	K
	2	L	2
	M	4	2

$\Rightarrow K + L + M = ?$

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

8.

I	4	K	5
II	1	1	L
III	M	2	1

$\Rightarrow K = ? ; L = ? ; M = ?$

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

9.

I	2	K	1
II	3	2	L
III	M	2	3

$\Rightarrow K = ? ; L = ? ; M = ?$

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

10.

	I	II	III
	K	5	2
	2	L	0
	0	3	M

$\Rightarrow K + L + M = ?$

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

11.

I	5	6	K
II	2	L	4
III	M	2	1

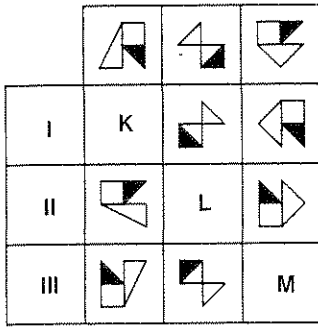
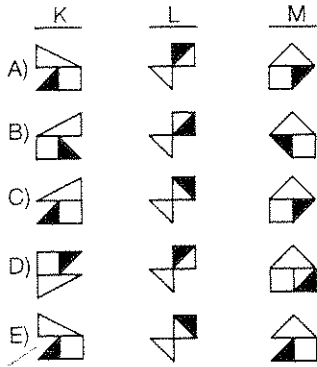
$\Rightarrow K = ? ; L = ? ; M = ?$

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

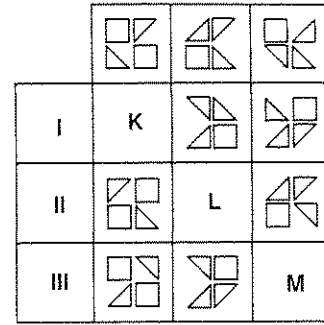
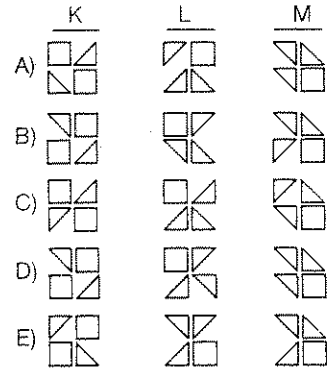
Yanıtlar / Answers

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

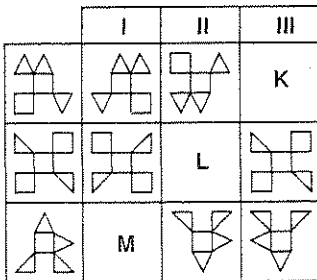
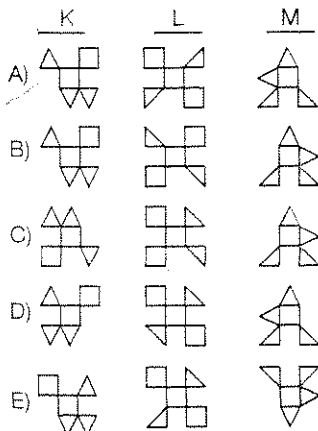
1.

 $\Rightarrow K = ? ; L = ? ; M = ?$ 

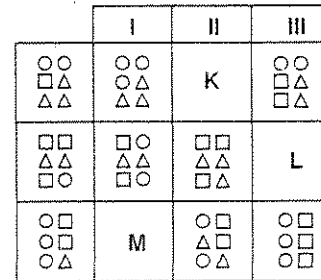
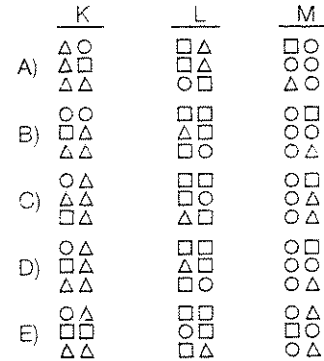
3.

 $\Rightarrow K = ? ; L = ? ; M = ?$ 

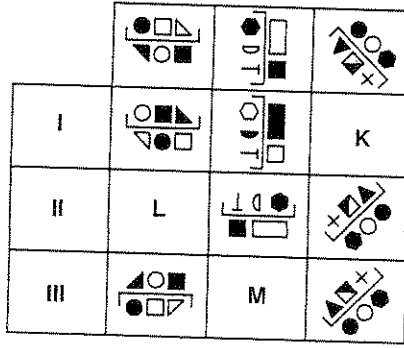
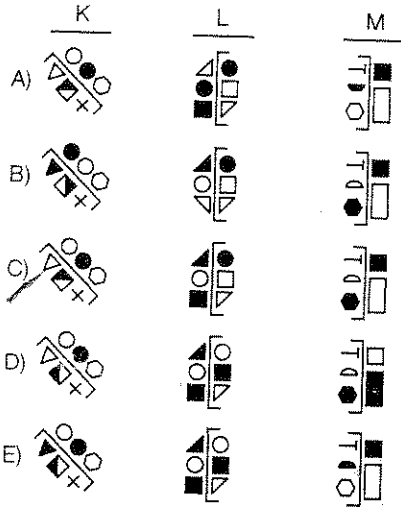
2.

 $\Rightarrow K = ? ; L = ? ; M = ?$ 

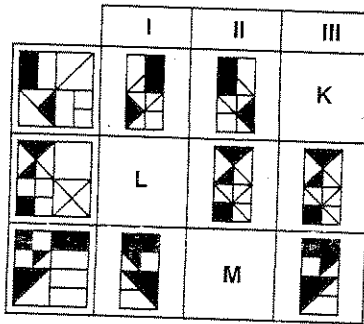
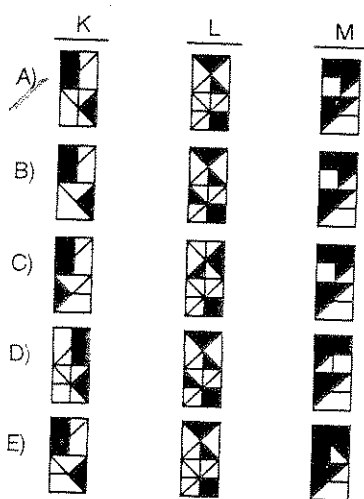
4.

 $\Rightarrow K = ? ; L = ? ; M = ?$ 

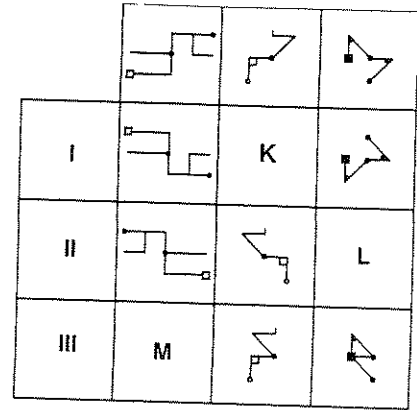
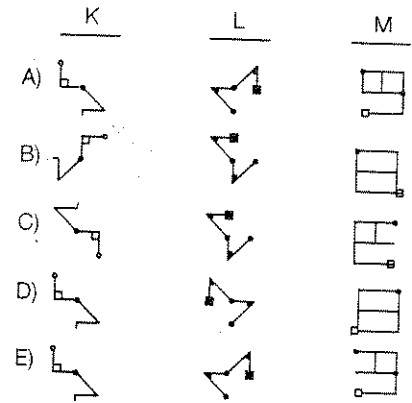
5.


 $\Rightarrow K = ? ; L = ? ; M = ?$


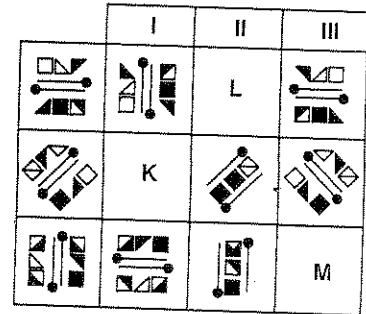
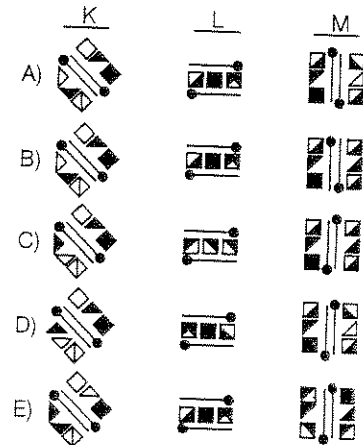
6.


 $\Rightarrow K = ? ; L = ? ; M = ?$


7.


 $\Rightarrow K = ? ; L = ? ; M = ?$


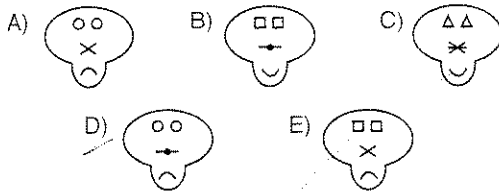
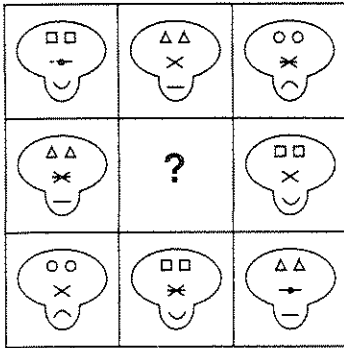
8.


 $\Rightarrow K = ? ; L = ? ; M = ?$


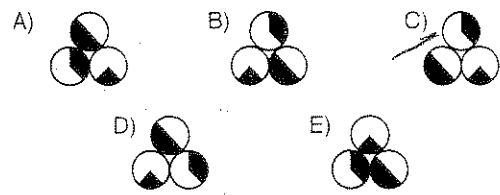
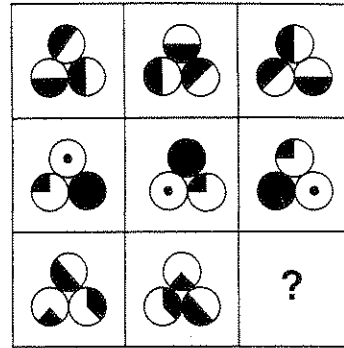
Yanıtlar / Answers

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

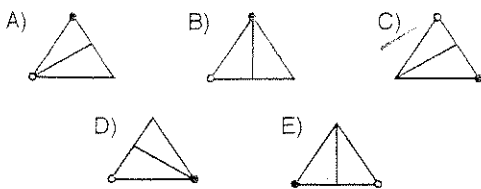
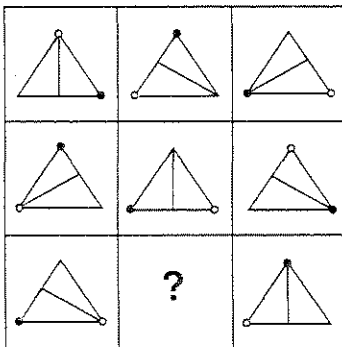
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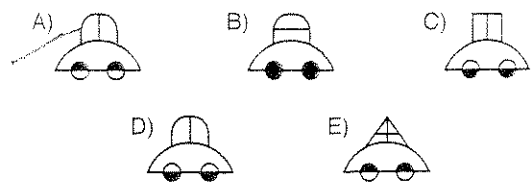
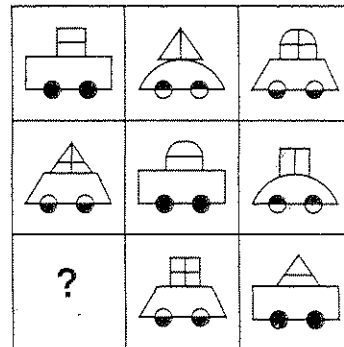
3.



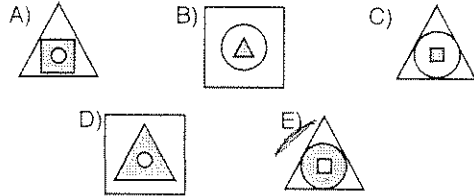
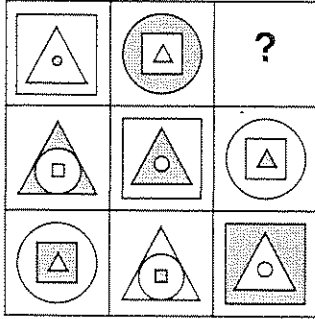
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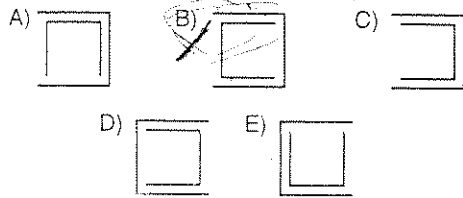
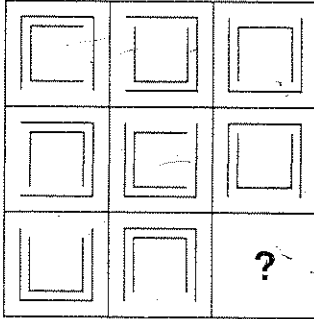
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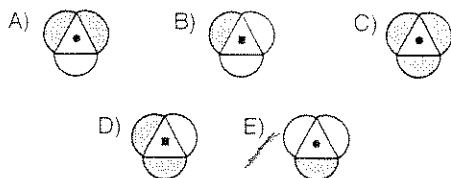
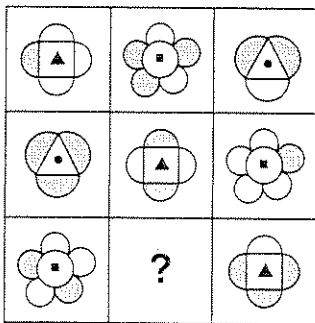
5.



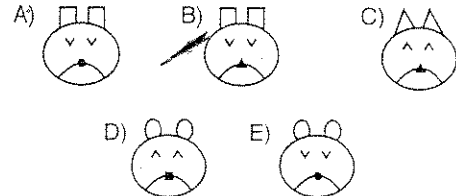
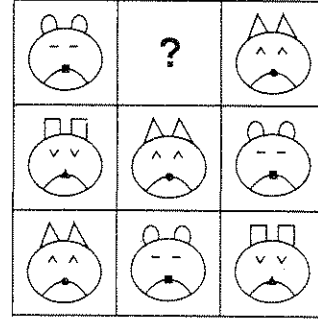
6.



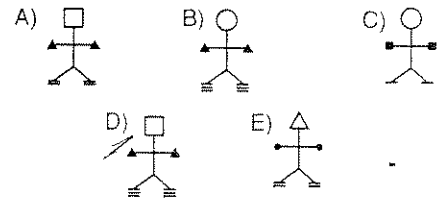
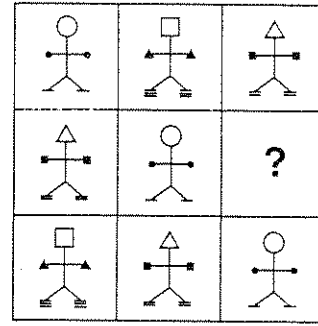
7.



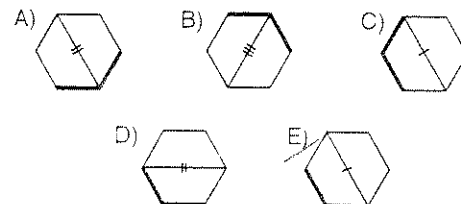
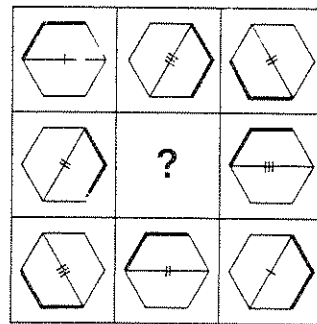
8.



9.



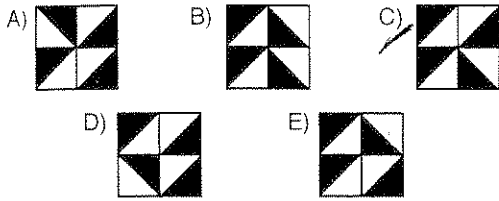
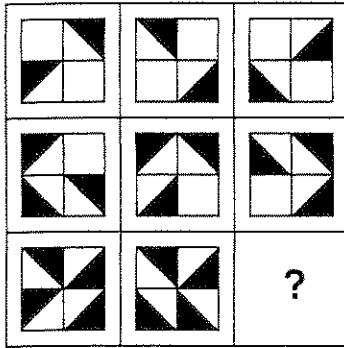
10.



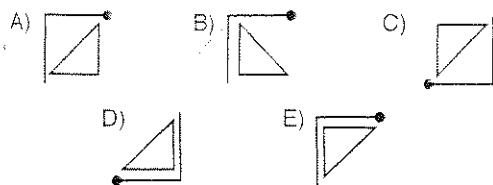
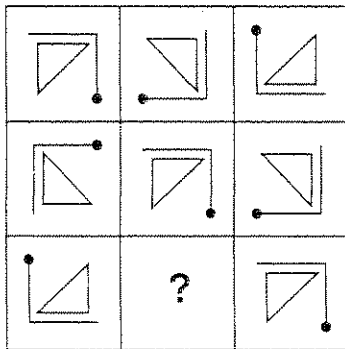
Yanıtlar / Answers

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

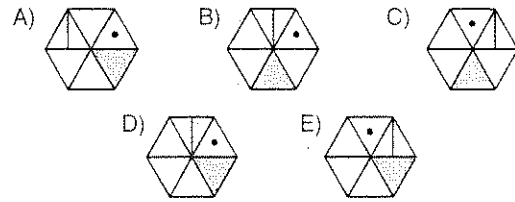
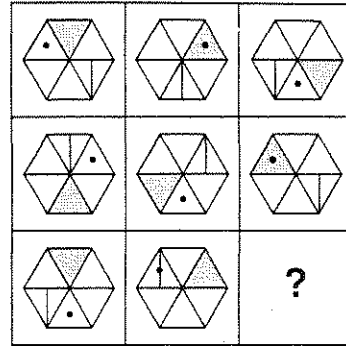
1.



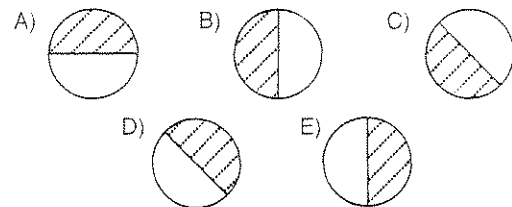
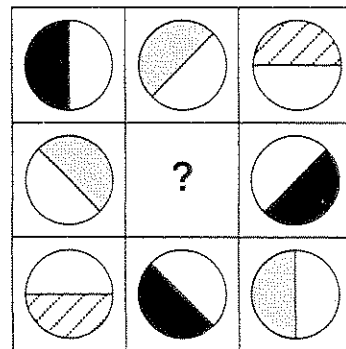
2.



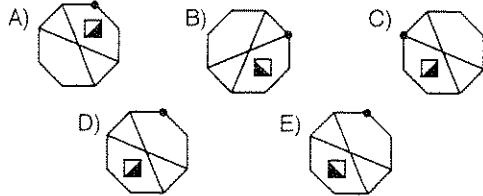
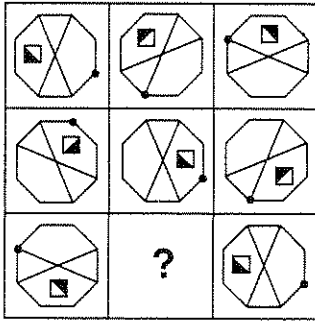
3.



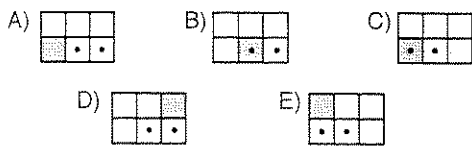
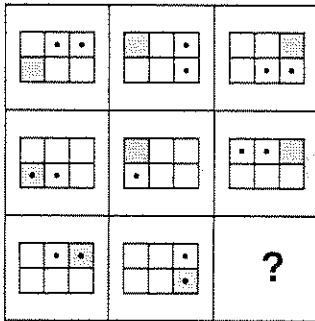
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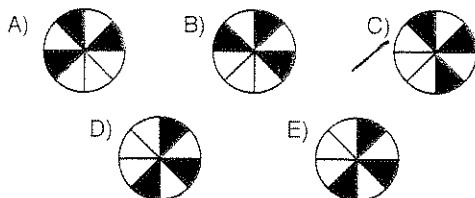
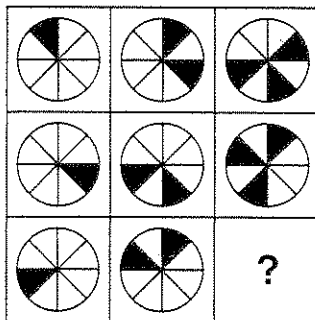
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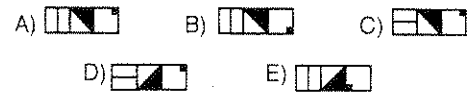
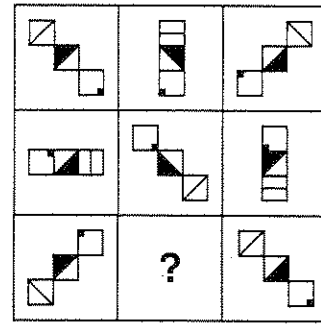
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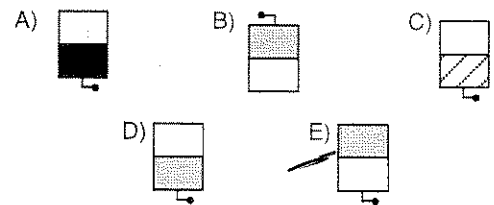
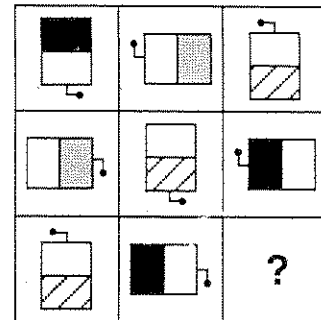
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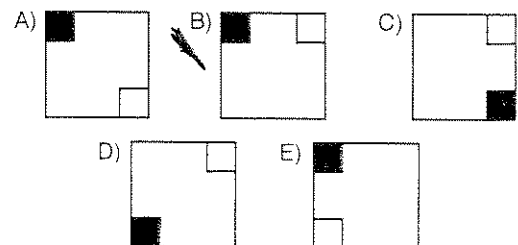
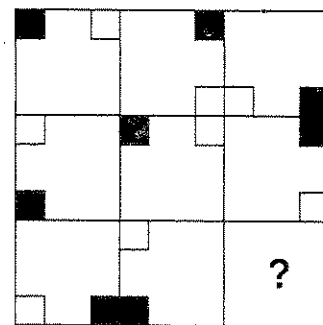
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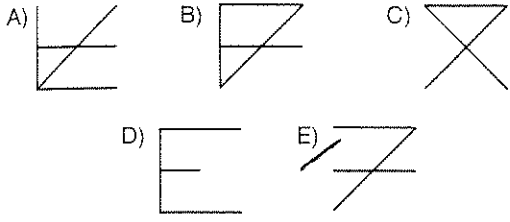
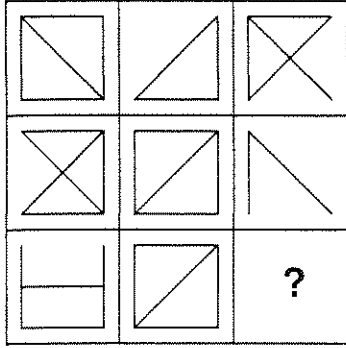
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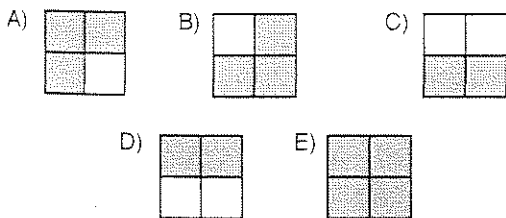
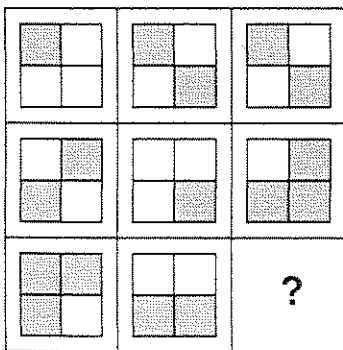
Yanıtlar / Answers

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

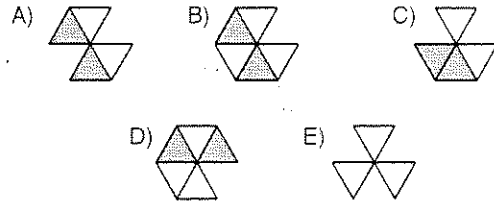
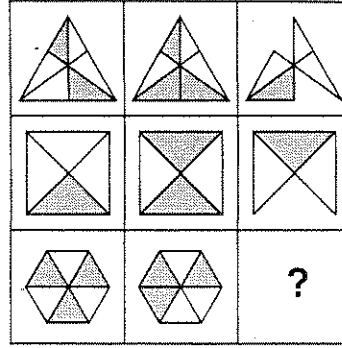
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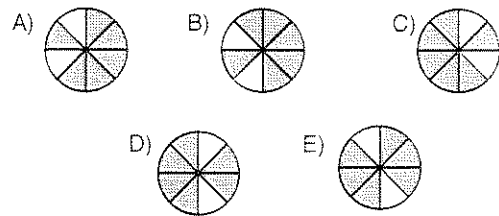
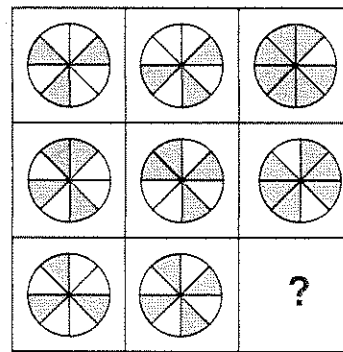
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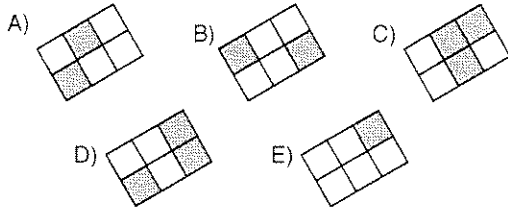
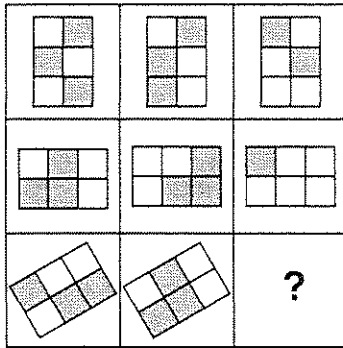
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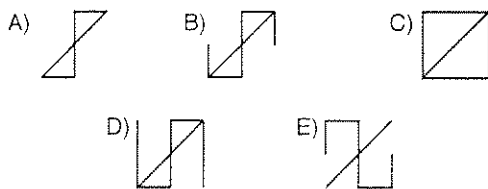
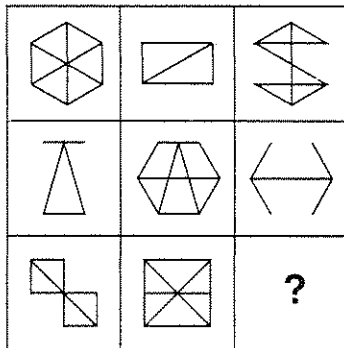
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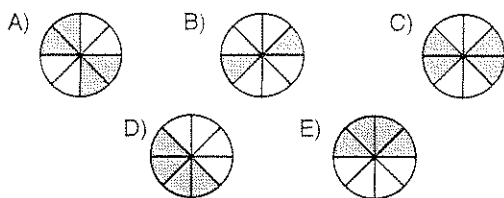
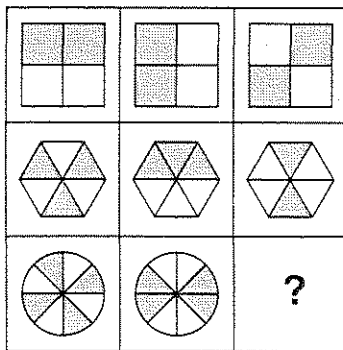
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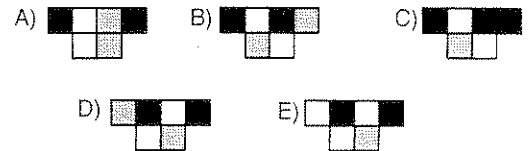
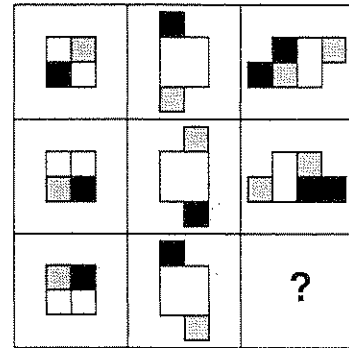
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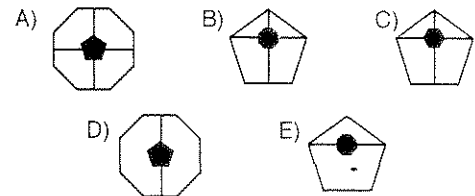
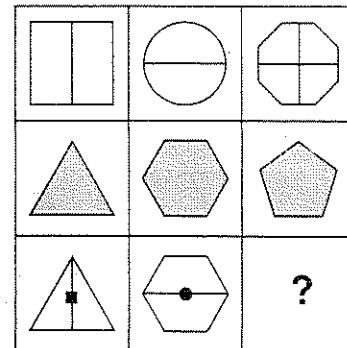
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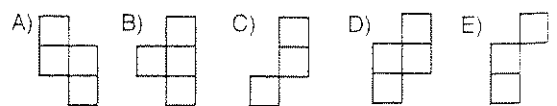
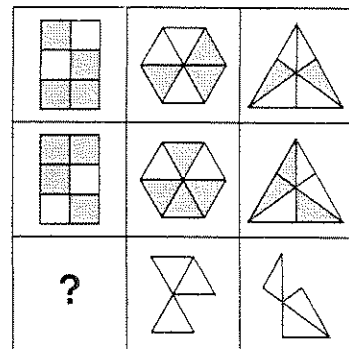
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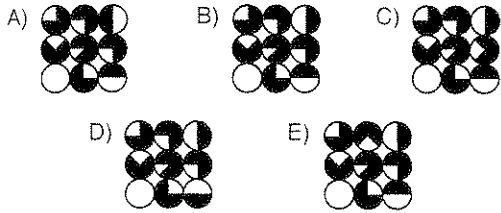
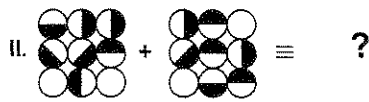
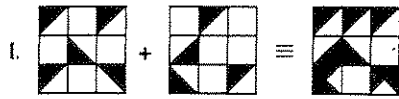
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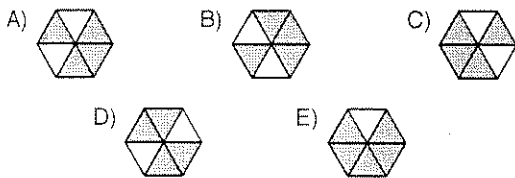
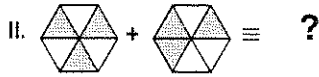
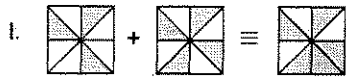
Yanıtlar / Answers

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

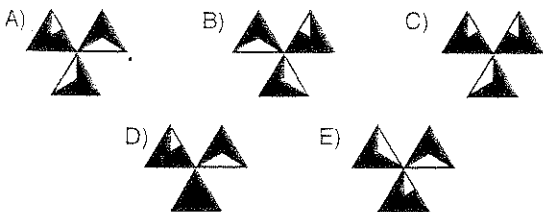
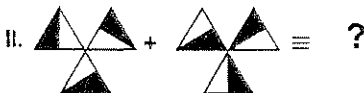
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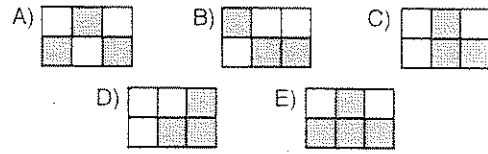
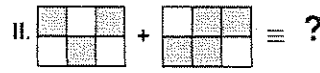
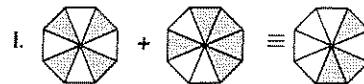
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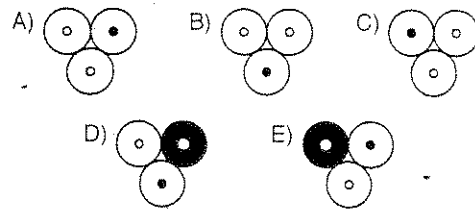
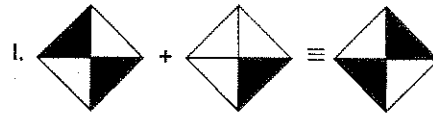
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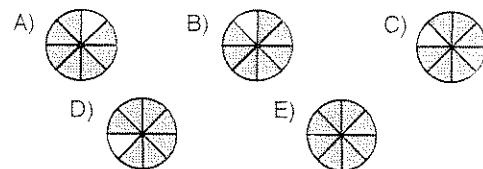
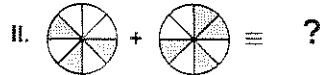
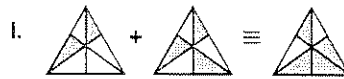
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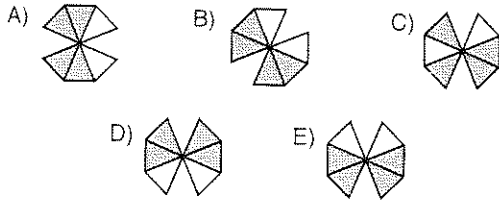
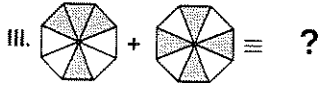
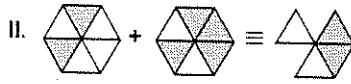
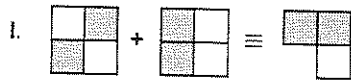
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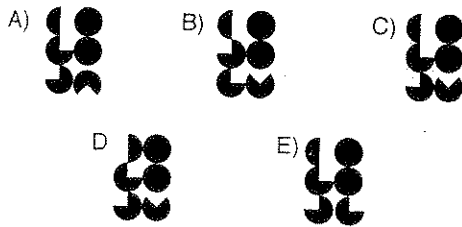
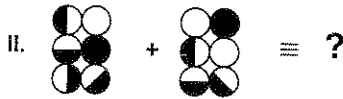
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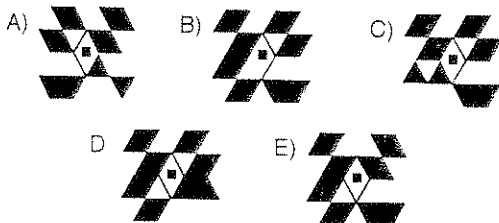
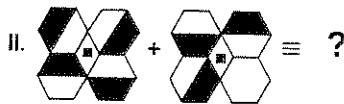
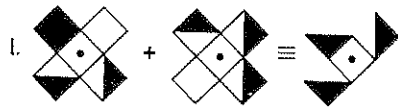
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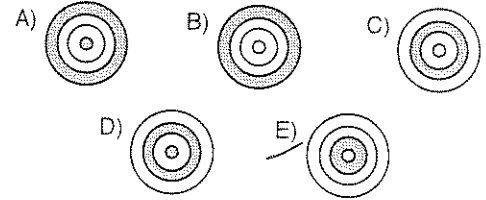
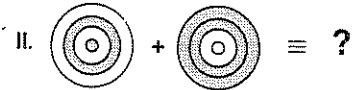
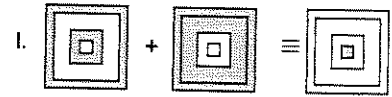
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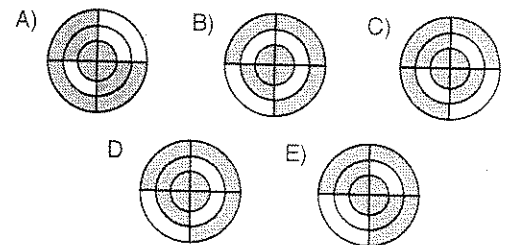
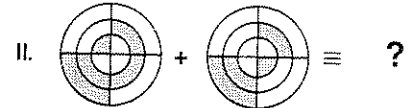
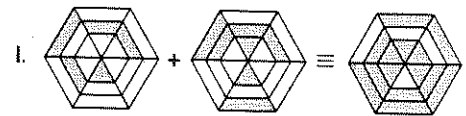
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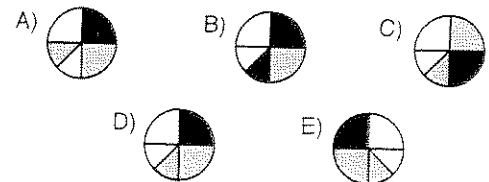
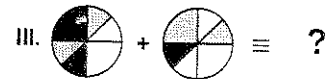
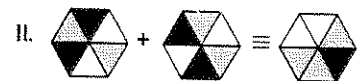
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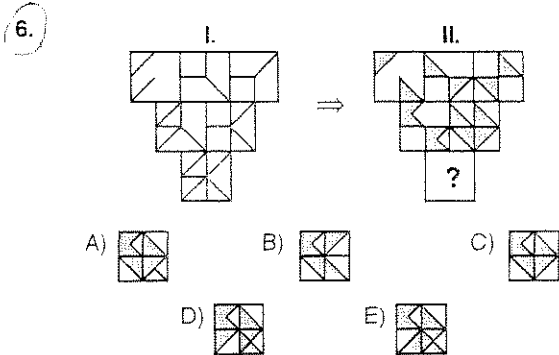
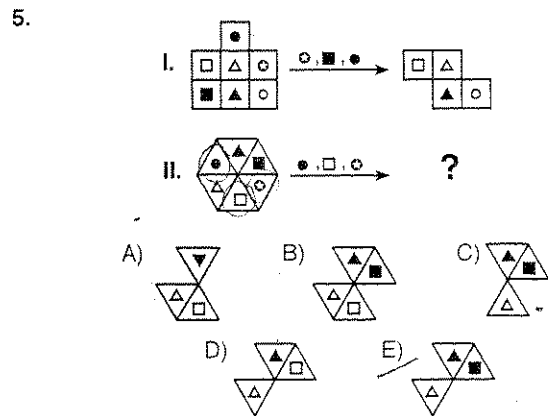
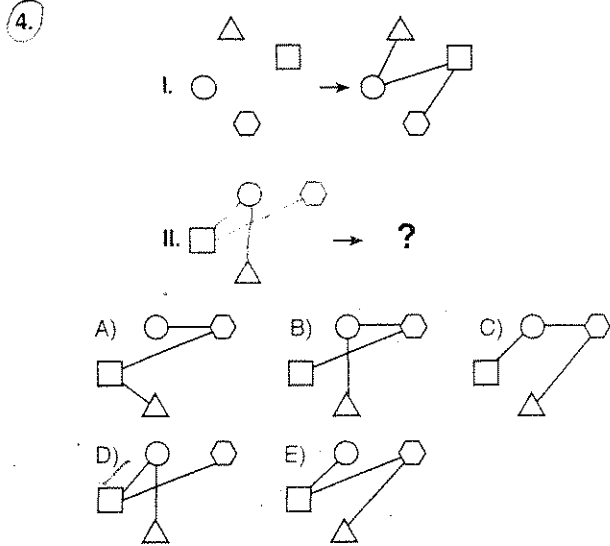
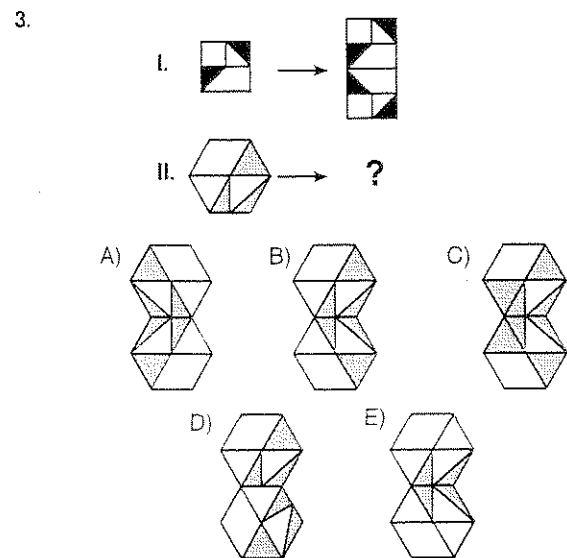
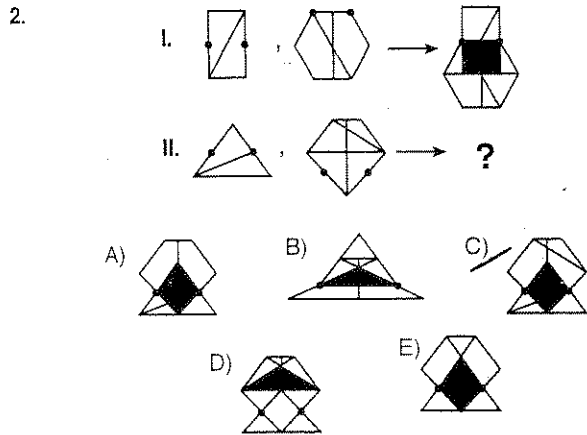
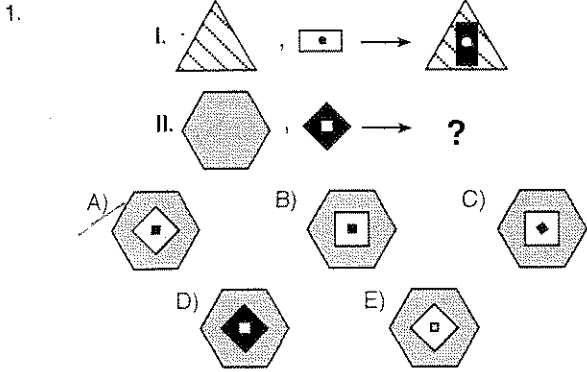


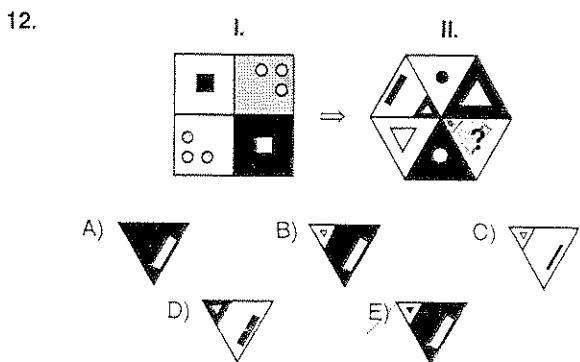
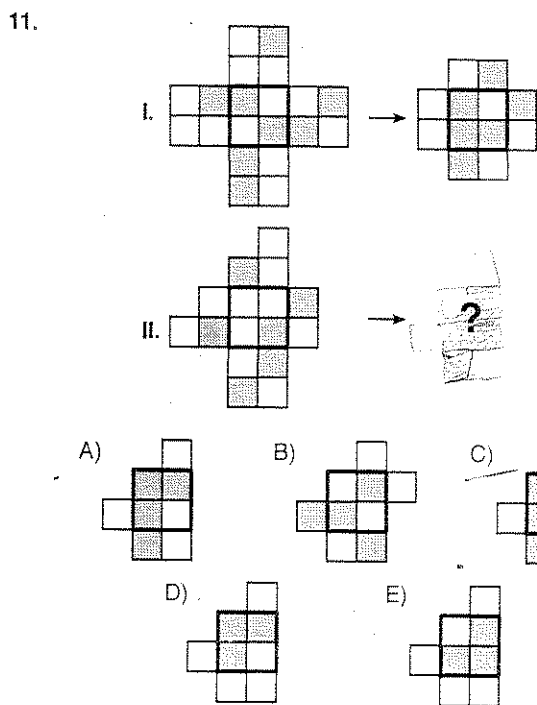
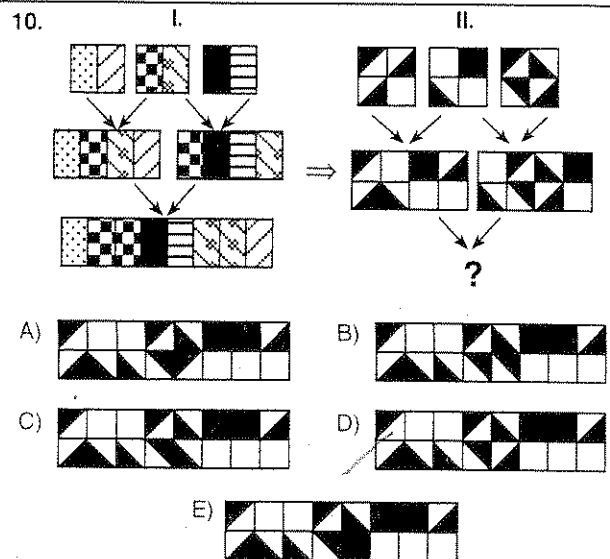
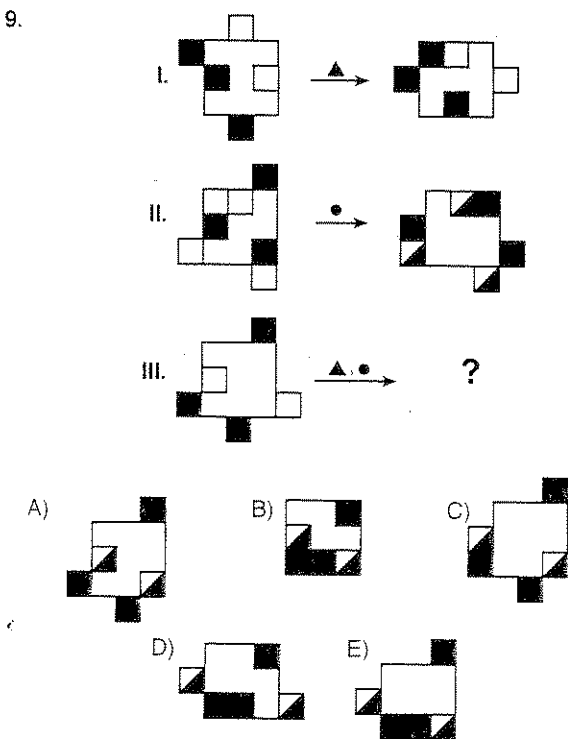
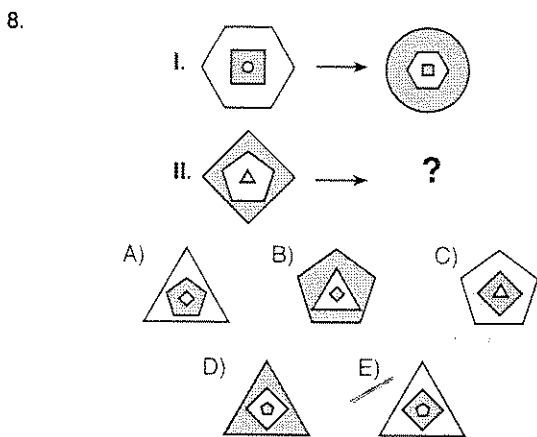
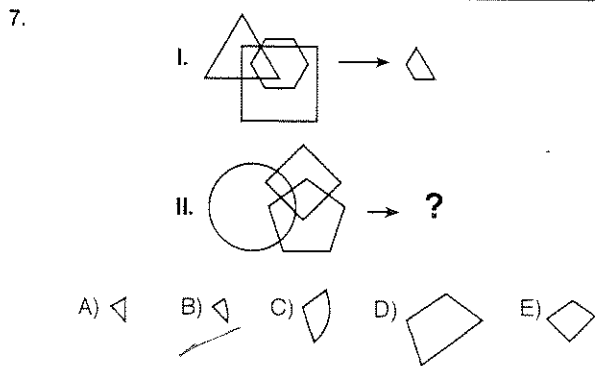
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Yanıtlar / Answers

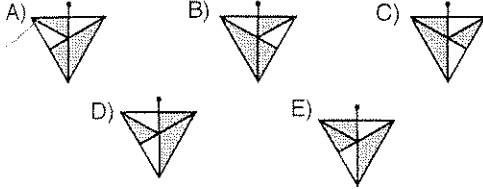
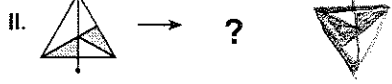
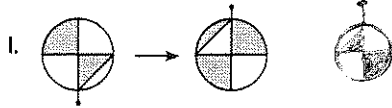
1. B	4. D	7. D	10. E
2. C	5. B	8. C	11. E
3. A	6. E	9. B	12. D



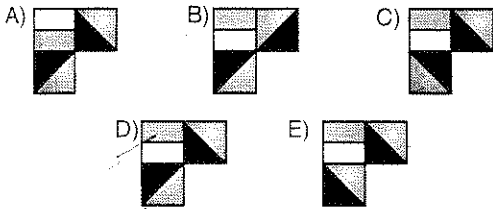


Yanıtlar / Answers			
1. A	4. D	7. B	10. D
2. C	5. E	8. E	11. C
3. B	6. A	9. C	12. E

1.

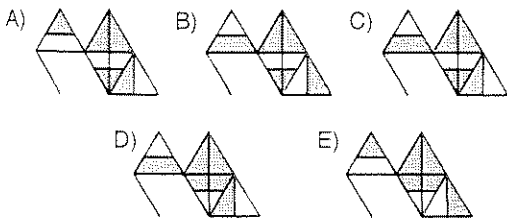
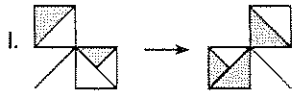


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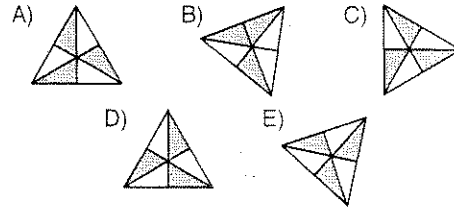
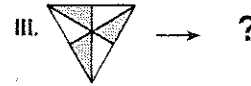
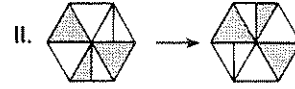
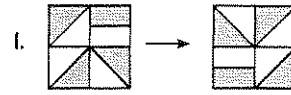


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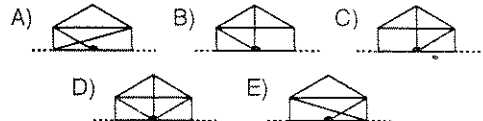
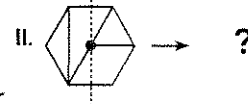
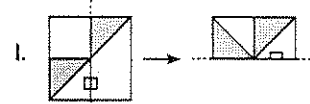
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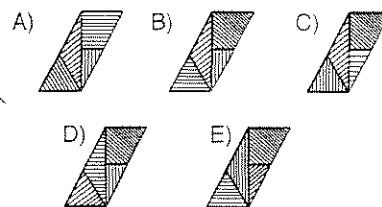
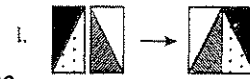
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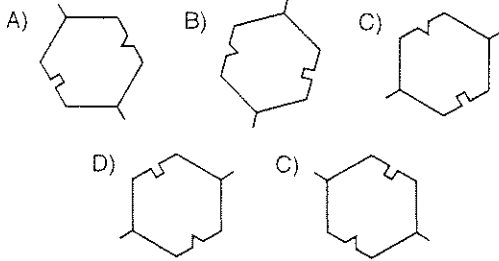
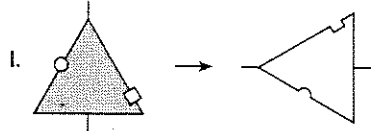
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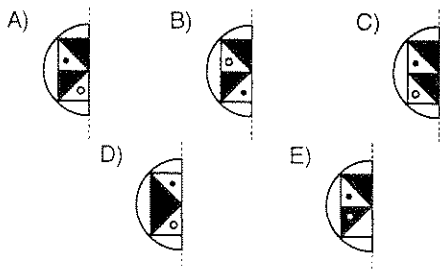
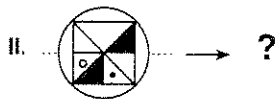
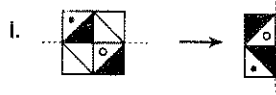
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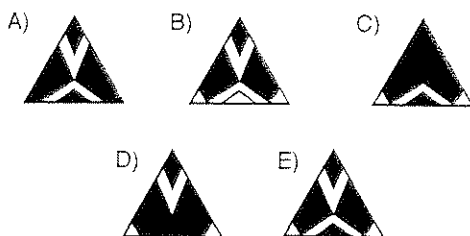
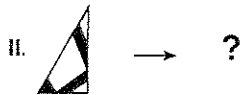
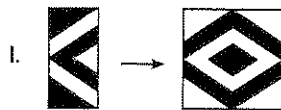
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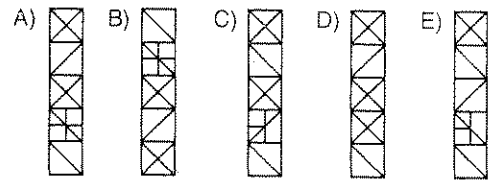
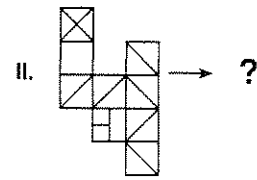
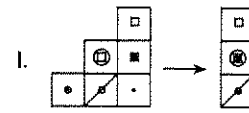
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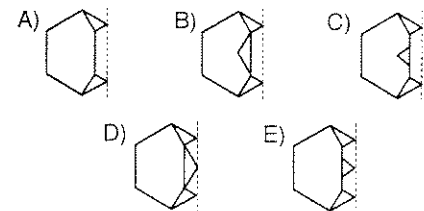
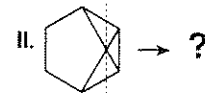
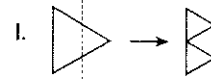
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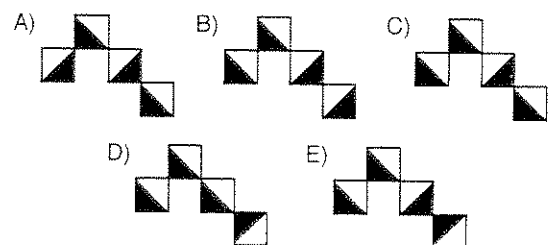
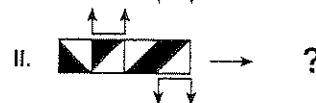
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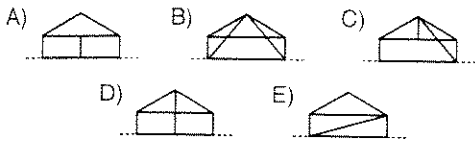
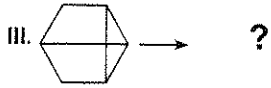
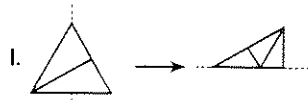
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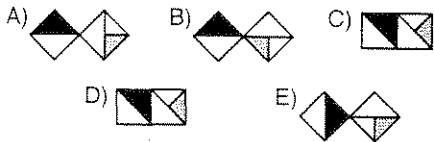
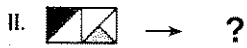
Yanıtlar / Answers

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

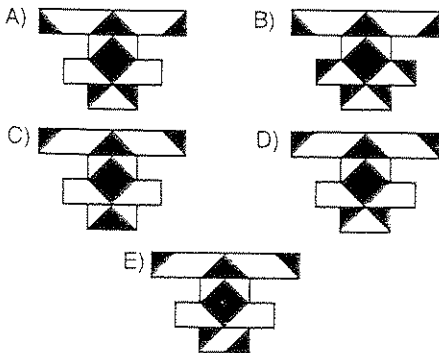
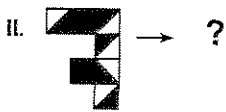
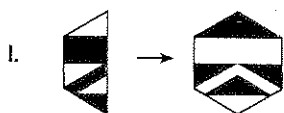
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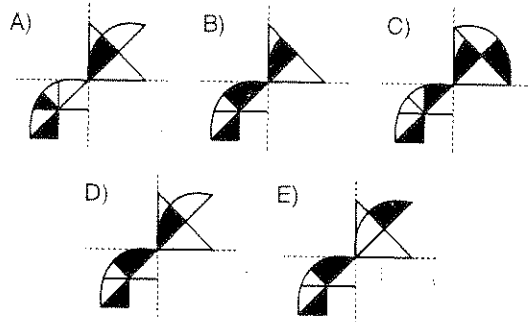
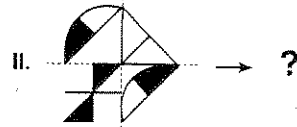
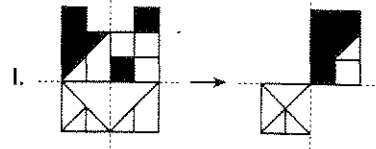
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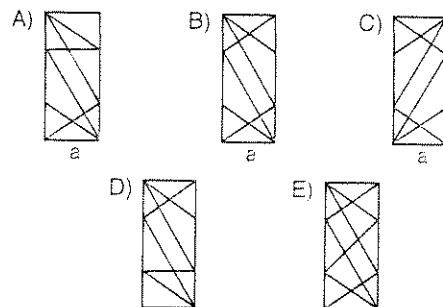
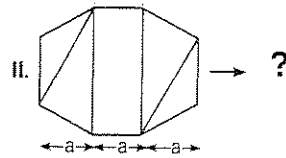
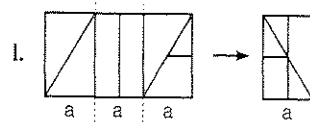
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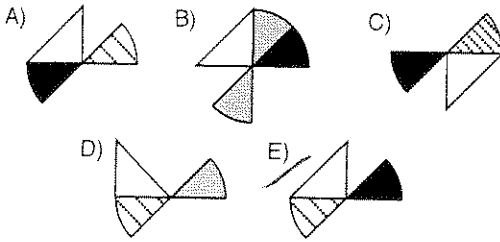
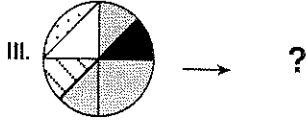
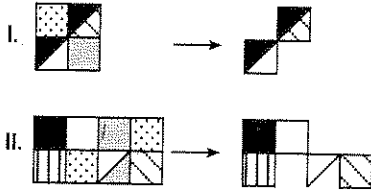
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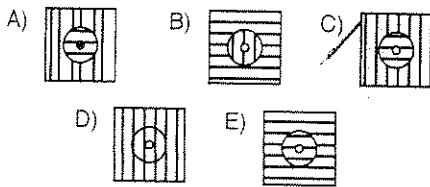
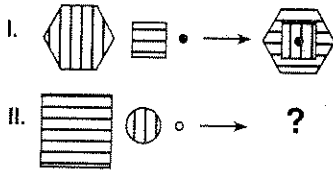
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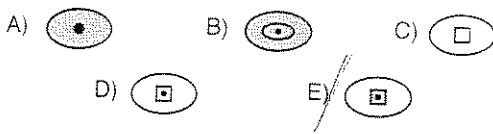
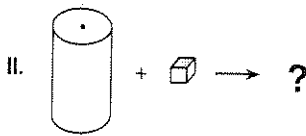
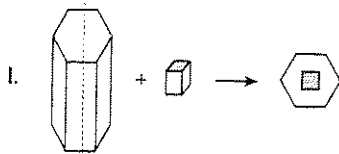
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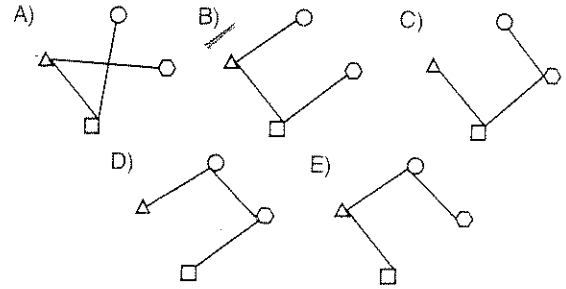
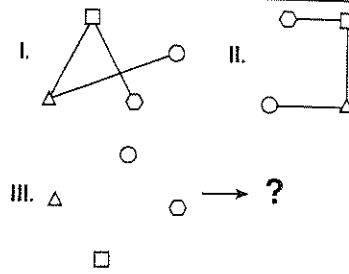
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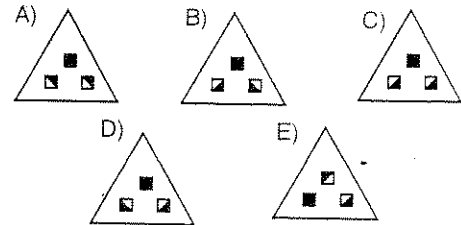
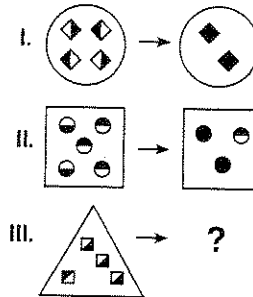
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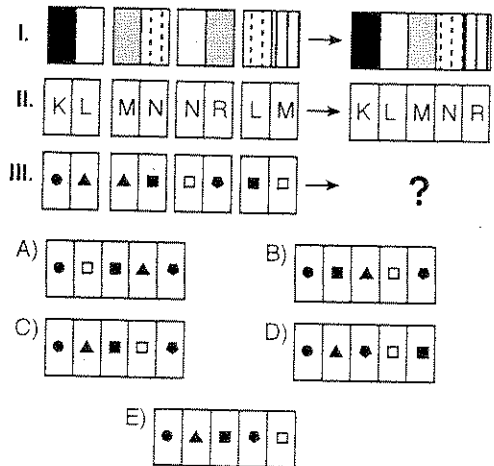
9.



10.



11.



Yanıtlar / Answers

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

1.

I.  $\rightarrow 2 \times 4 = 8$

II.  $\rightarrow 15$

III.  $\rightarrow ?$

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

2.

I.  $\rightarrow \frac{1}{4} + 3$

II.  $\rightarrow \frac{7}{2}$

III.  $\rightarrow ?$ $\frac{5}{6} + 11 = \frac{26}{6} = \frac{13}{3}$

- A) $\frac{7}{12}$ B) $\frac{2}{3}$ C) $\frac{9}{4}$ D) $\frac{13}{6}$ E) $\frac{13}{3}$

3.

I.  $\rightarrow \frac{8}{5} + 3$

II.  $\rightarrow \frac{11}{3}$

III.  $\rightarrow ?$

- A) $\frac{13}{4}$ B) $\frac{13}{3}$ C) $\frac{7}{4}$ D) $\frac{7}{3}$ E) 3

4.

I.  $\rightarrow \frac{12}{4} + 8$

II.  $\rightarrow 10$

III.  $\rightarrow ?$

- A) $\frac{32}{3}$ B) $\frac{34}{3}$ C) 12 D) $\frac{38}{3}$ E) 14

5.

I.  $\rightarrow \frac{8}{3} + 5$

II.  $\rightarrow 4$

III.  $\rightarrow ?$

- A) $\frac{7}{2}$ B) 4 C) $\frac{9}{2}$ D) 5 E) $\frac{11}{2}$

6.

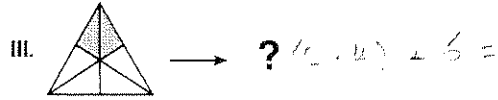
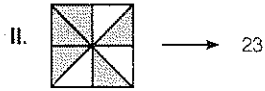
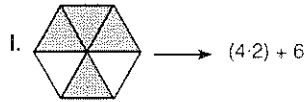
I.  $\rightarrow \frac{2 \cdot 6}{6} = \frac{3}{2}$

II.  $\rightarrow \frac{21}{10}$

III.  $\rightarrow ?$

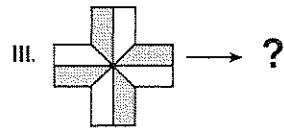
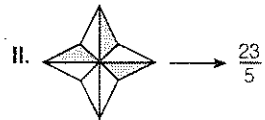
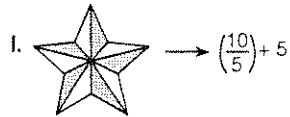
- A) $\frac{1}{2}$ B) $\frac{3}{2}$ C) $\frac{4}{3}$ D) $\frac{5}{4}$ E) $\frac{6}{5}$

7.



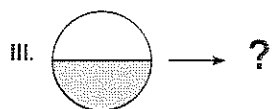
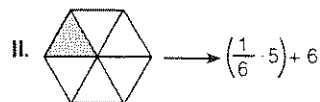
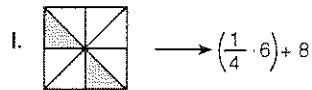
A) 9 B) 12 C) 14 D) 18 E) 24

8.



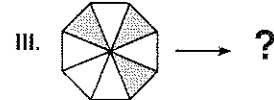
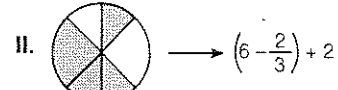
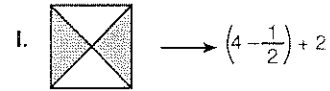
A) 4 B) 6 C) 8 D) 10 E) 12

9.



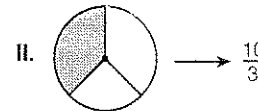
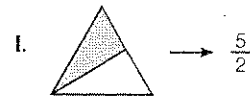
A) $\frac{1}{2}$ B) 1 C) $\frac{3}{2}$ D) 2 E) $\frac{5}{2}$

10.



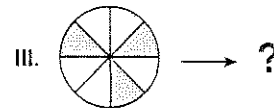
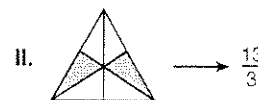
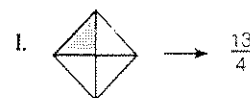
A) 6 B) $\frac{49}{8}$ C) $\frac{25}{2}$ D) $\frac{101}{8}$ E) $\frac{51}{4}$

11.



A) $\frac{13}{4}$ B) 4 C) $\frac{17}{4}$ D) $\frac{9}{2}$ E) $\frac{19}{4}$

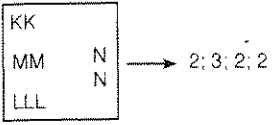
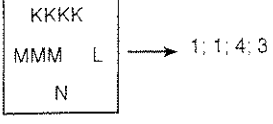
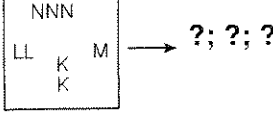
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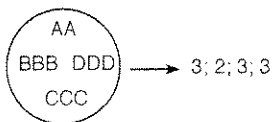
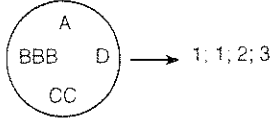
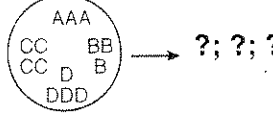


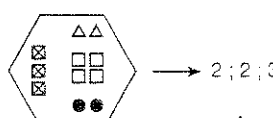
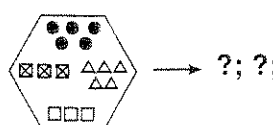
A) $\frac{39}{8}$ B) 5 C) $\frac{41}{8}$ D) $\frac{21}{4}$ E) $\frac{43}{8}$

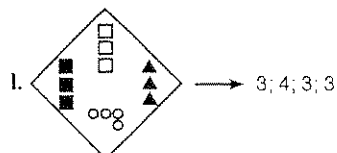
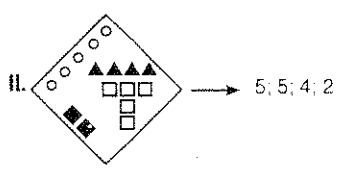
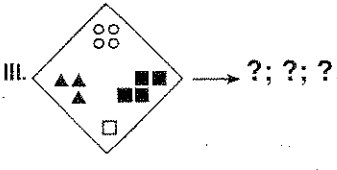
Yanıtlar / Answers

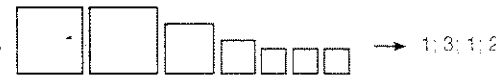
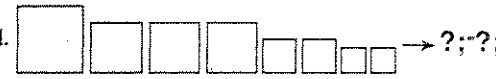
1. B	4. D	7. C	10. D
2. E	5. C	8. B	11. C
3. D	6. C	9. E	12. E

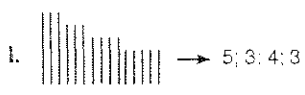
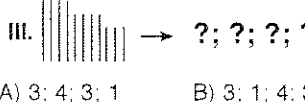
- 1.
- I.  → 2; 3; 2; 2
- II.  → 1; 1; 4; 3
- III.  → ?; ?; ?; ?
- A) 2; 3; 2; 1 B) 3; 2; 1; 2 C) 2; 2; 3; 1
D) 3; 2; 2; 1 E) 2; 3; 1; 2

- 2.
- I.  → 3; 2; 3; 3
- II.  → 1; 1; 2; 3
- III.  → ?; ?; ?; ?
- A) 4; 4; 3; 3 B) 4; 3; 4; 3 C) 3; 4; 3; 4
D) 4; 3; 3; 4 E) 3; 4; 4; 3

- 3.
- I.  → 2; 2; 3; 4
- II.  → 4; 3; 4; 3
- III.  → ?; ?; ?; ?
- A) 5; 5; 3; 3 B) 5; 3; 5; 3 C) 5; 3; 3; 5
D) 3; 3; 5; 5 E) 3; 5; 3; 5

- 4.
- I.  → 3; 4; 3; 3
- II.  → 5; 5; 4; 2
- III.  → ?; ?; ?; ?
- A) 1; 3; 4; 4 B) 1; 4; 3; 4 C) 3; 1; 4; 4
D) 4; 1; 3; 4 E) 4; 3; 4; 1

- 5.
- I.  → 2; 1; 3; 1
- II.  → 1; 3; 1; 2
- III.  → ?; ?; ?; ?
- A) 3; 2; 1; 2 B) 3; 1; 2; 2 C) 2; 1; 3; 2
D) 2; 3; 1; 2 E) 3; 2; 2; 1

- 6.
- I.  → 5; 3; 4; 3
- II.  → 2; 1; 2; 3
- III.  → ?; ?; ?; ?
- A) 3; 4; 3; 1 B) 3; 1; 4; 3 C) 3; 3; 4; 1
D) 1; 4; 3; 3 E) 1; 3; 4; 3

- 7.
- I. → 2; 1; 1; 2
- II. → 2; 1; 2; 1
- III. → ?; ?; ?; ?
- A) 2; 2; 1; 2 B) 2; 2; 2; 1 C) 1; 2; 2; 2
D) 2; 2; 2; 2 E) 2; 1; 2; 2

- 8.
- I. → 3; 4; 1; 2
- II. → 2; 3; 3; 2
- III. → ?; ?; ?; ?
- A) 2; 2; 2; 2 B) 2; 2; 2; 3 C) 2; 3; 2; 2
D) 2; 2; 3; 2 E) 3; 2; 2; 2

- 9.
- I. → 3; 3; 1; 2
- II. → 2; 3; 2; 1
- III. → ?; ?; ?; ?
- A) 4; 1; 2; 2 B) 4; 2; 1; 2 C) 4; 2; 2; 1
D) 2; 4; 2; 1 E) 2; 2; 1; 4

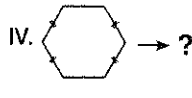
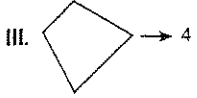
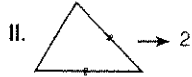
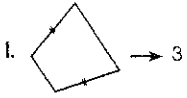
- 10.
- I. → 1; 1; 2; 1
- II. → 2; 1; 2; 3
- III. → ?; ?; ?; ?
- A) 3; 1; 2; 2 B) 3; 2; 2; 1 C) 2; 3; 1; 2
D) 2; 2; 1; 3 E) 3; 2; 1; 2

- 11.
- I. → 2; 1; 2; 1
- II. → 1; 2; 1; 1
- III. → ?; ?; ?; ?
- A) 2; 1; 1; 2 B) 2; 2; 1; 1 C) 1; 1; 2; 2
D) 2; 1; 2; 1 E) 1; 2; 1; 1

- 12.
- I. → 1; 3; 2; 3
- II. → 3; 3; 3; 2
- III. → ?; ?; ?; ?
- A) 4; 2; 4; 3 B) 4; 2; 3; 4 C) 4; 3; 2; 4
D) 3; 4; 2; 4 E) 3; 2; 4; 4

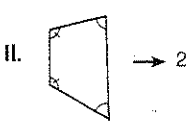
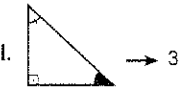
Yanıtlar / Answers			
1. D	4. B	7. E	10. E
2. B	5. E	8. C	11. C
3. A	6. C	9. A	12. B

1.



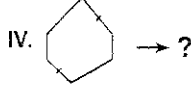
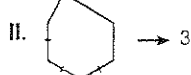
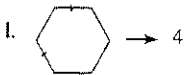
A) 1 B) 2 C) 3 D) 5 E) 6

2.



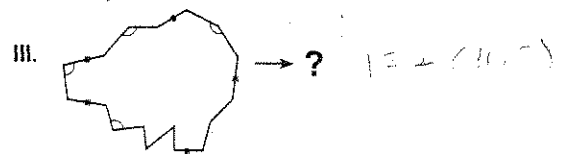
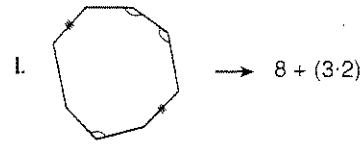
A) 1 B) 2 C) 3 D) 4 E) 5

3.



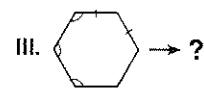
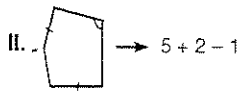
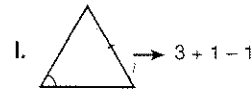
A) 2 B) 3 C) 4 D) 5 E) 6

4.



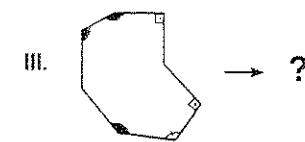
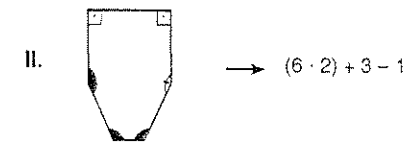
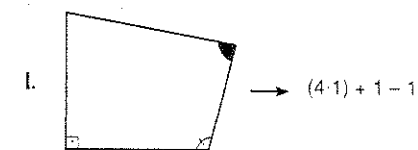
A) 31 B) 33 C) 35 D) 37 E) 39

5.



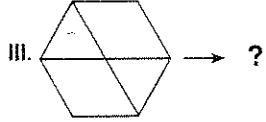
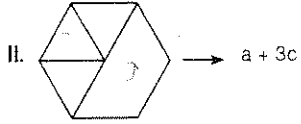
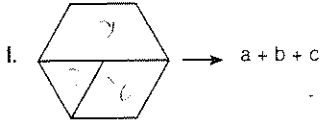
A) 2 B) 3 C) 4 D) 5 E) 6

6.



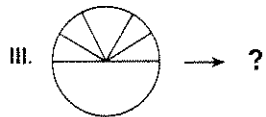
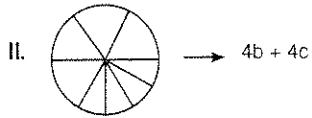
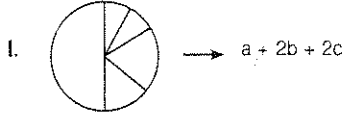
A) 17 B) 18 C) 19 D) 20 E) 21

7.



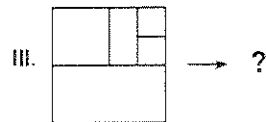
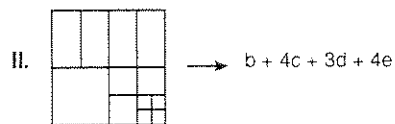
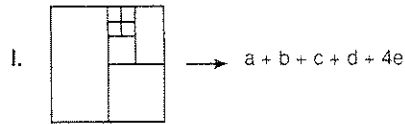
- A) $2a + 2b$ B) $2a + 2c$ C) $2b + 2c$
D) $2b + 2c + a$ E) $a + 2b + c$

6.



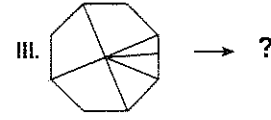
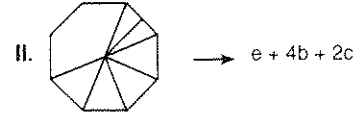
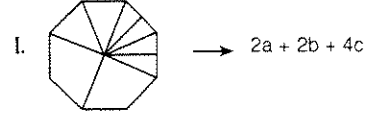
- A) $4a + b + c$ B) $a + 4b + 2c$
C) $a + 2b + 2c$ D) $a + b + 4c$
E) $a + 2b + 4c$

9.



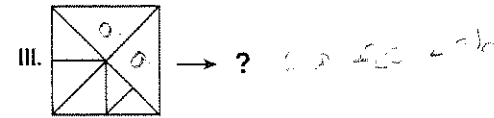
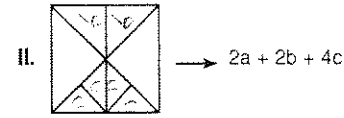
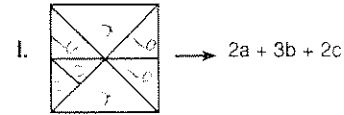
- A) $a + b + c + d$ B) $a + 2b + 2c + d$
C) $a + b + 2c + d$ D) $2a + 2b + c + d$
E) $a + b + c + 2d$

10.



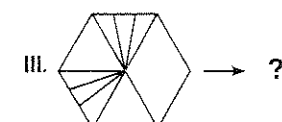
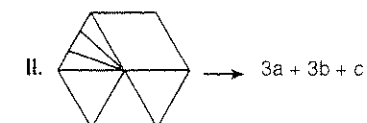
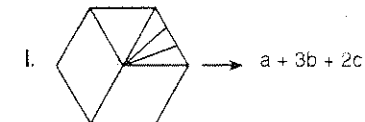
- A) $3a + b + 2c$ B) $3a + 2c + 2b$
C) $3a + b + c$ D) $2a + b + 3c$
E) $2a + 3b + c$

11.



- A) $2a + 2b + c$ B) $2a + 3b + 3c$
C) $2a + 3b + 2c$ D) $2a + b + c$
E) $a + 3b + 2c$

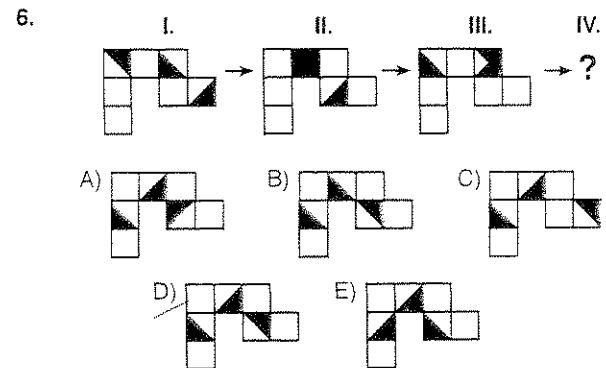
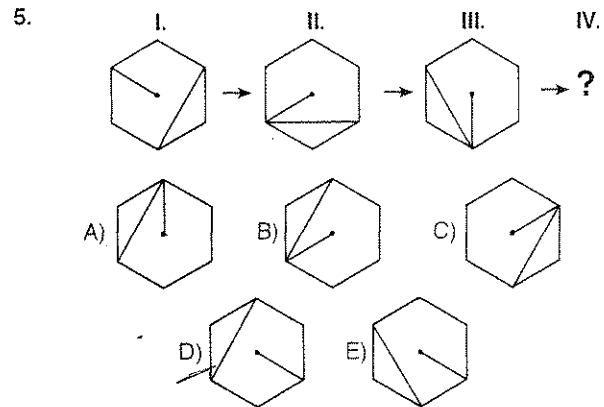
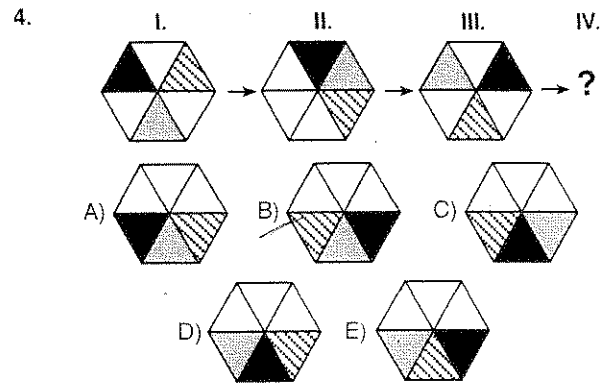
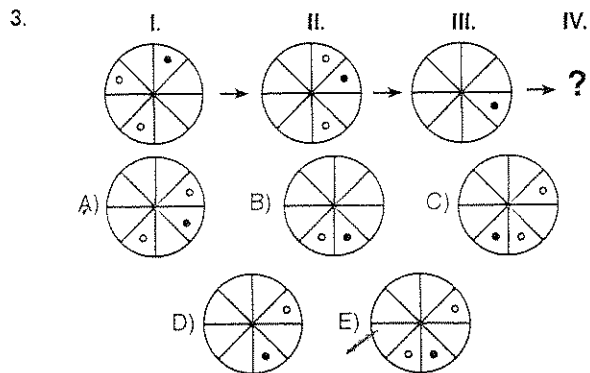
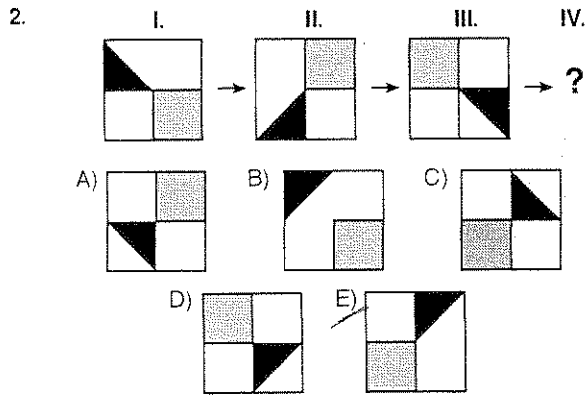
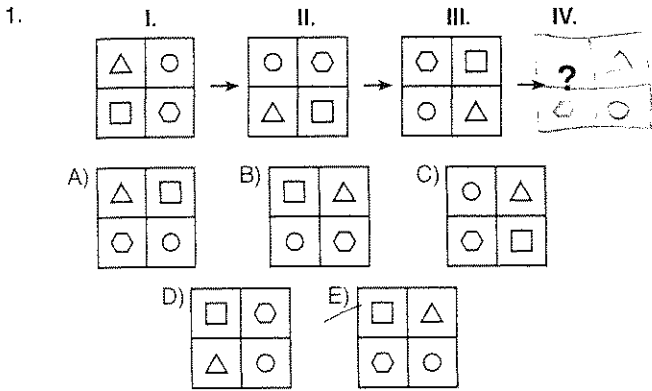
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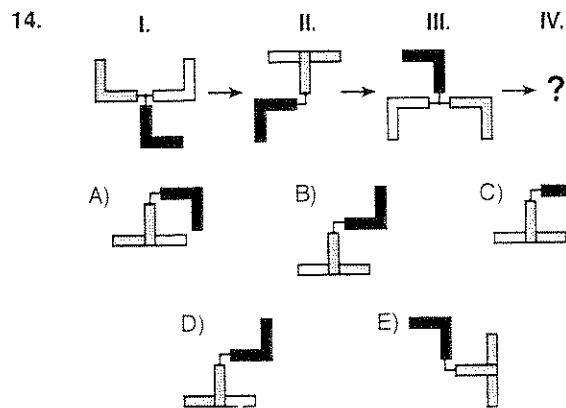
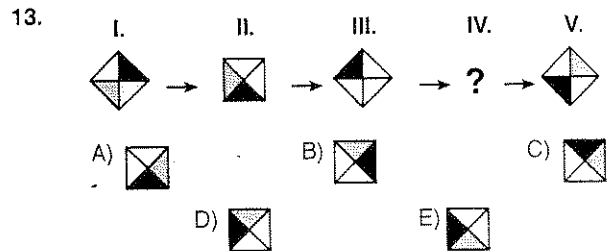
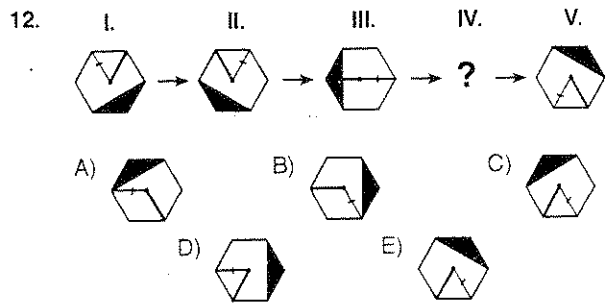
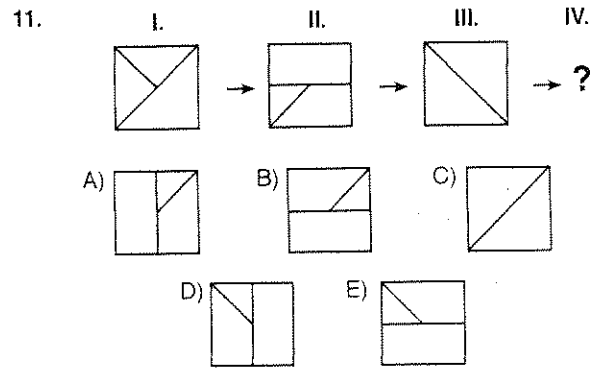
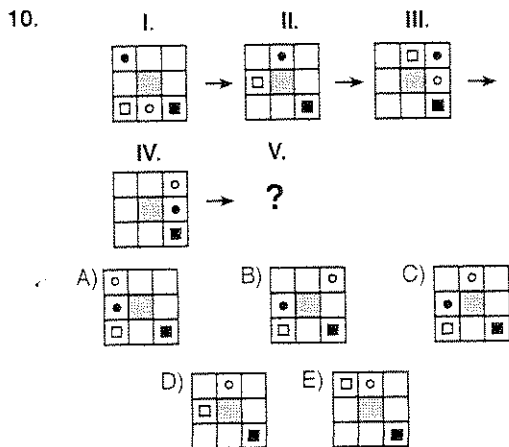
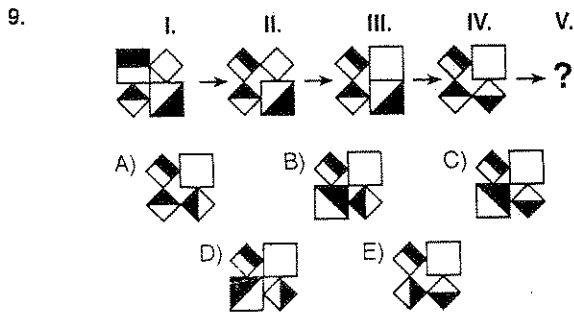
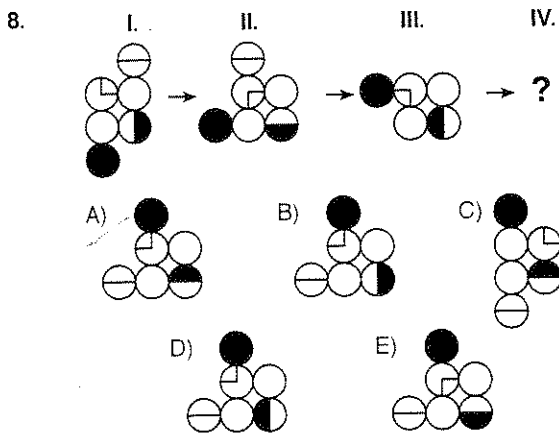
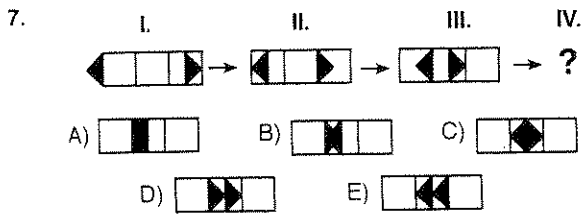


- A) $2a + b + 6c$ B) $a + 2b + 6c$
C) $2a + 6b + c$ D) $a + 6b + 2c$
E) $6a + b + 2c$

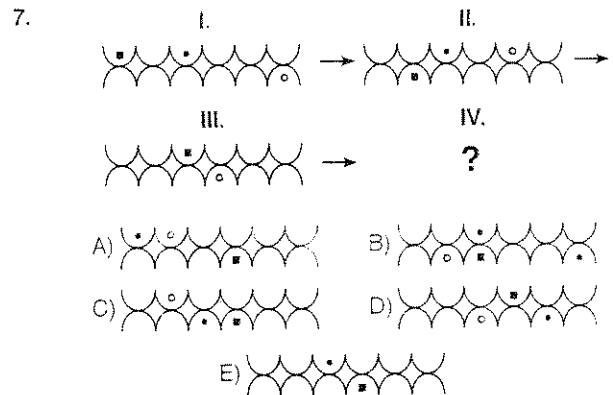
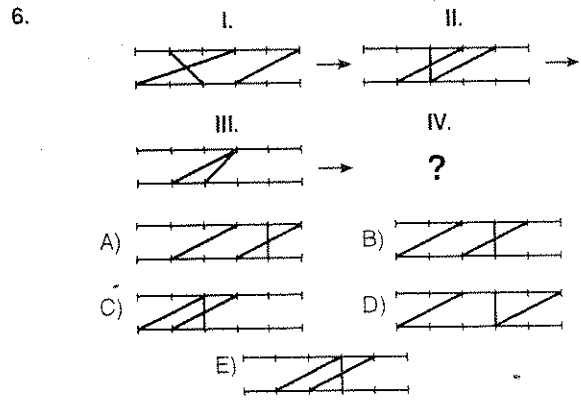
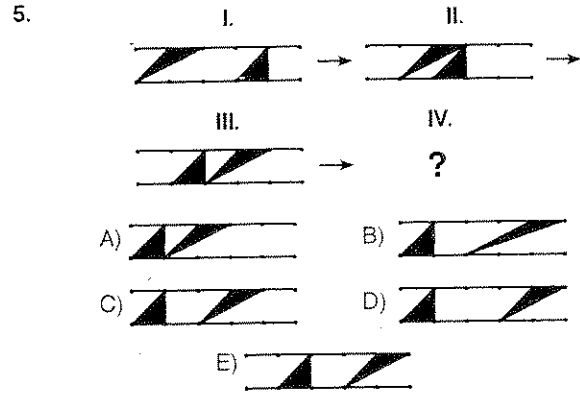
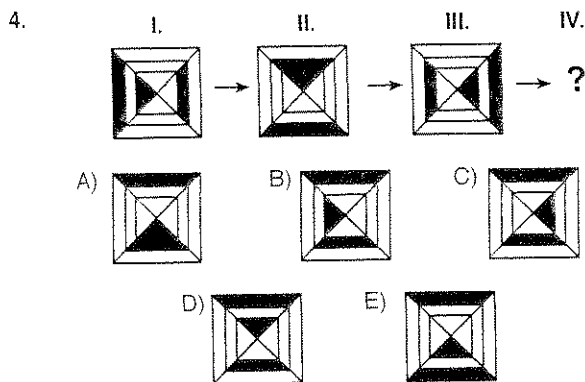
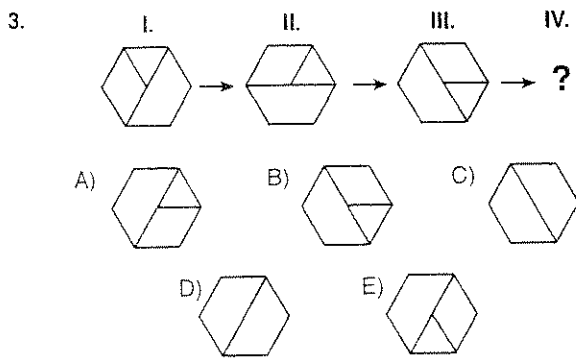
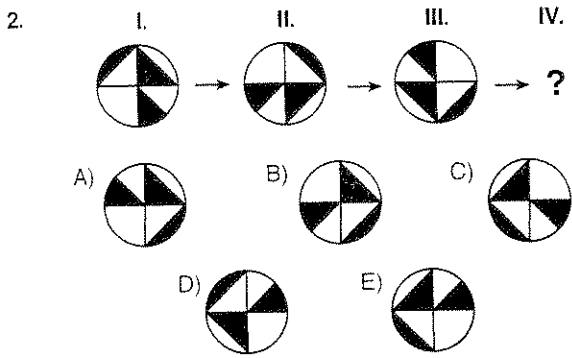
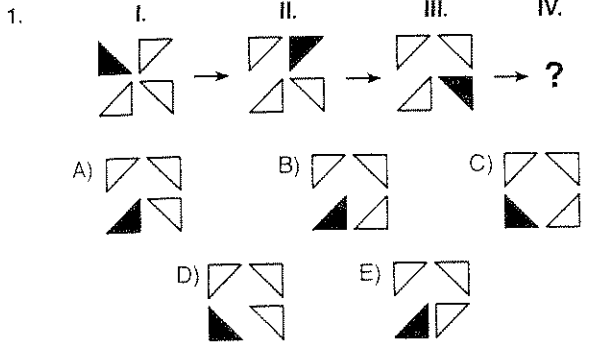
Yanıtlar / Answers

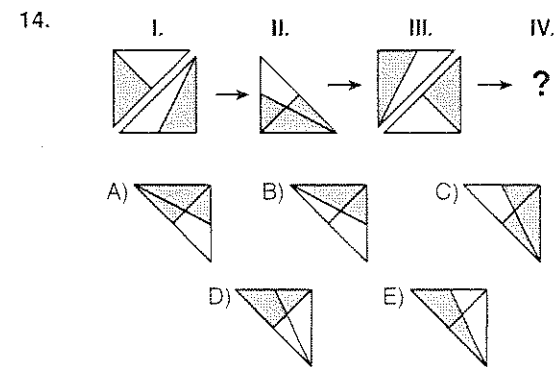
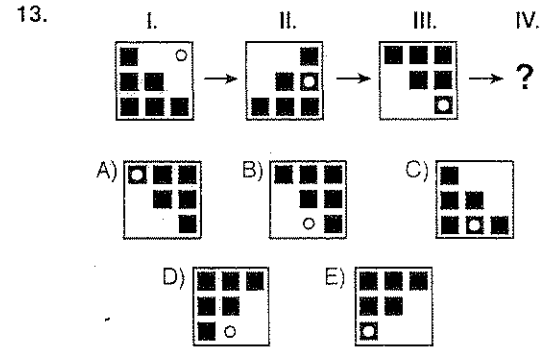
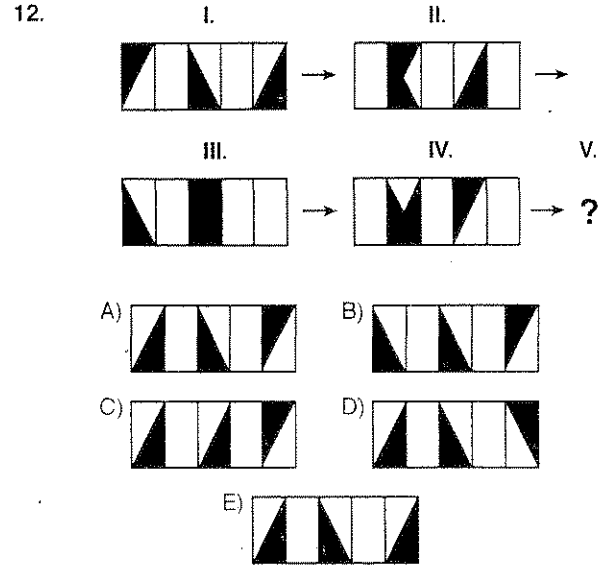
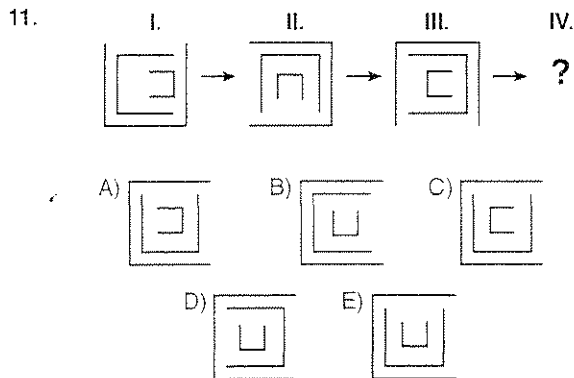
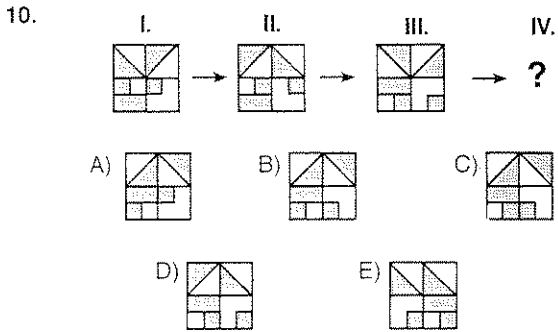
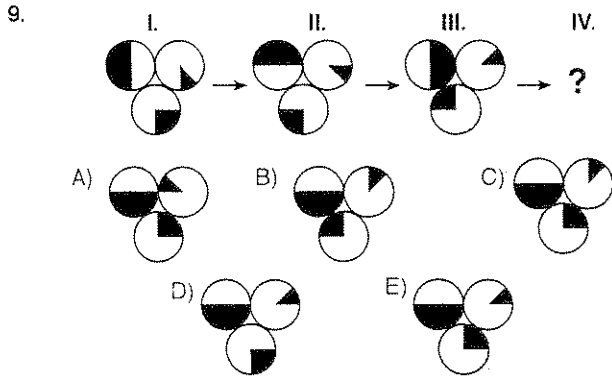
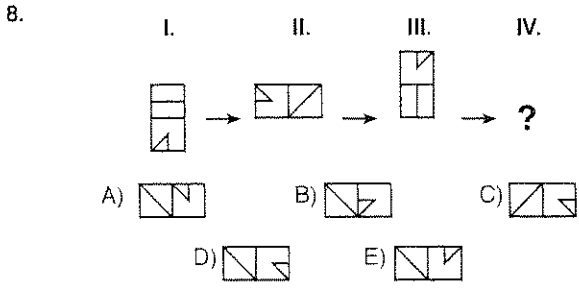
1. C	4. D	7. C	10. A
2. B	5. D	8. D	11. C
3. C	6. B	9. E	12. C





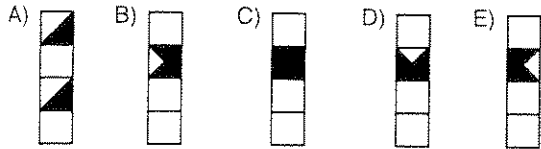
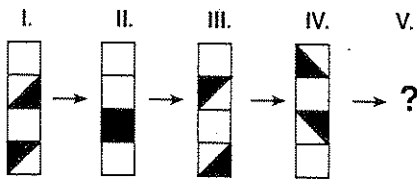
Yanıtlar / Answers				
1. E	4. B	7. B	10. E	13. B
2. E	5. D	8. A	11. A	14. D
3. E	6. D	9. C	12. C	



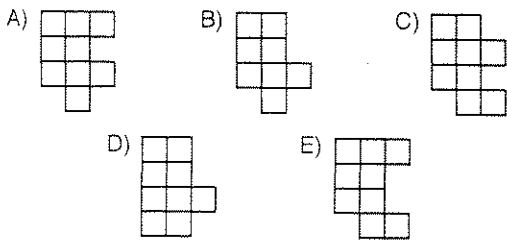
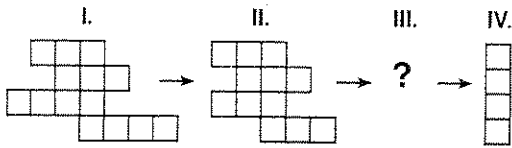


Yanıtlar / Answers				
1. B	4. A	7. E	10. B	13. D
2. E	5. D	8. D	11. E	14. A
3. E	6. B	9. C	12. A	

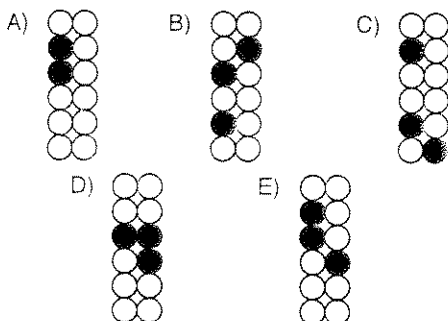
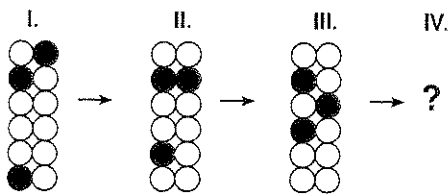
1.



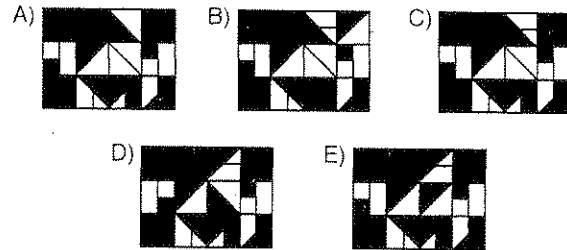
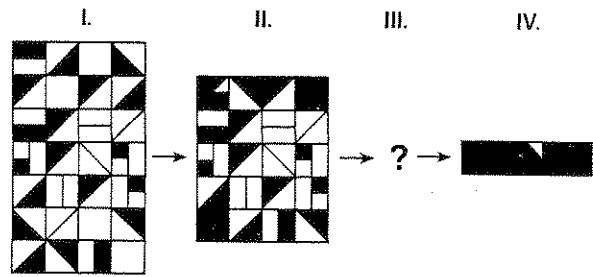
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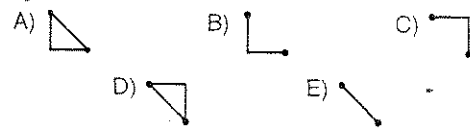
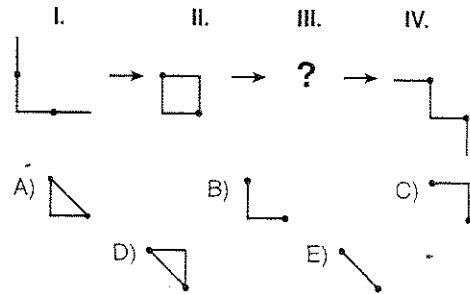
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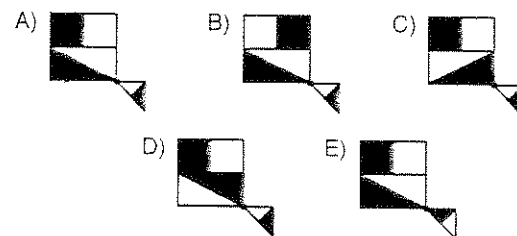
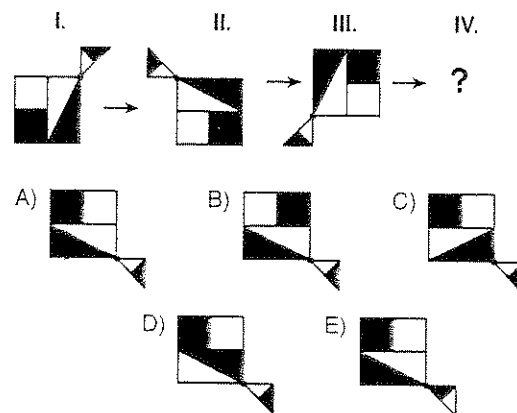
4.

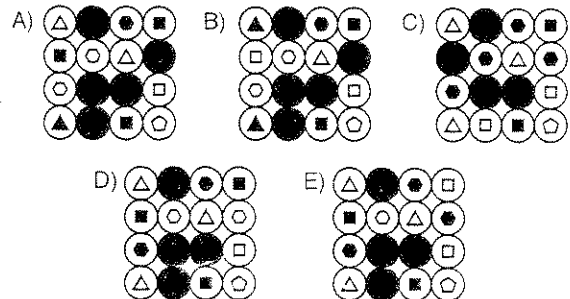
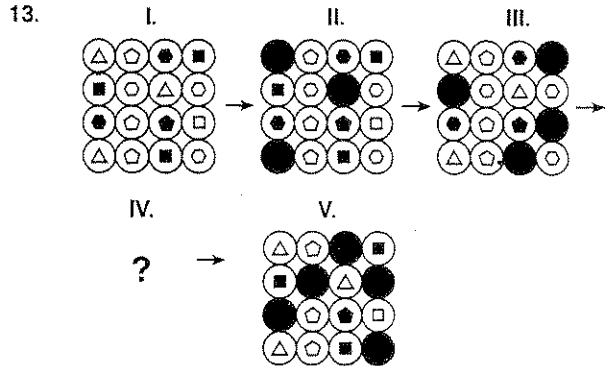
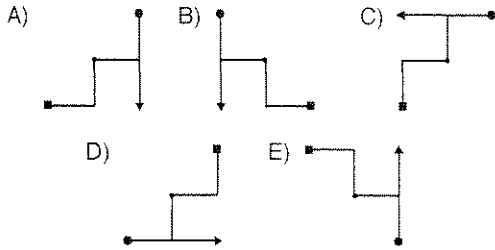
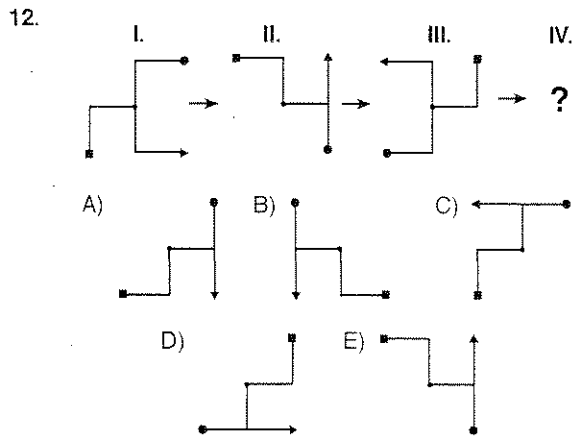
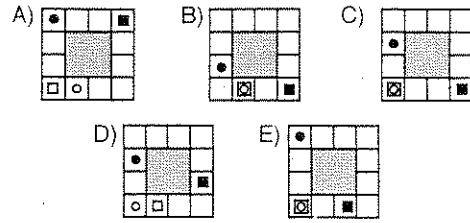
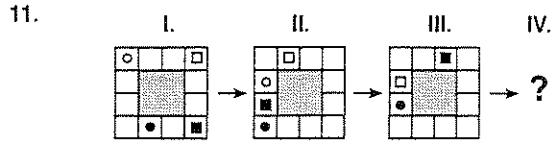
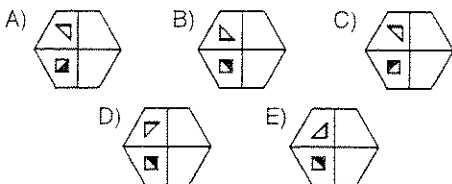
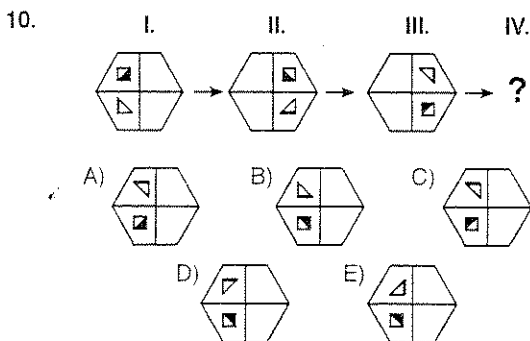
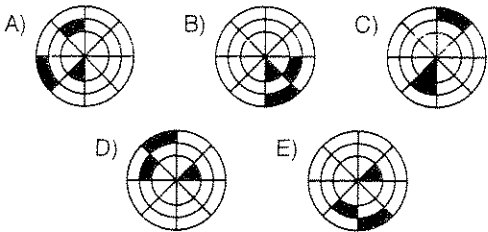
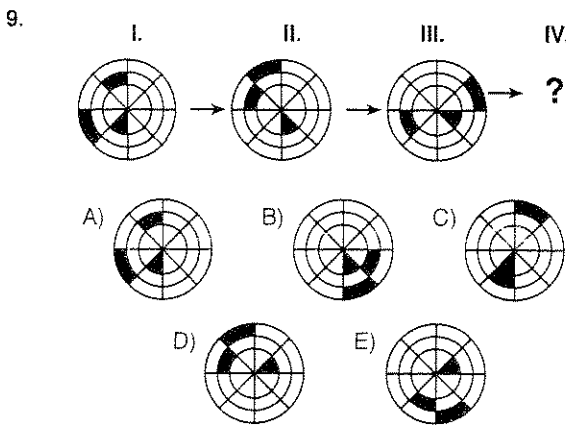
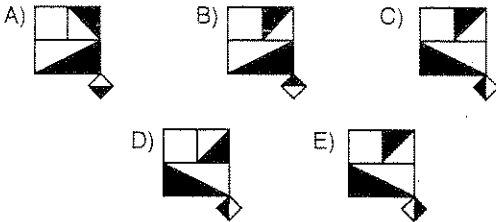
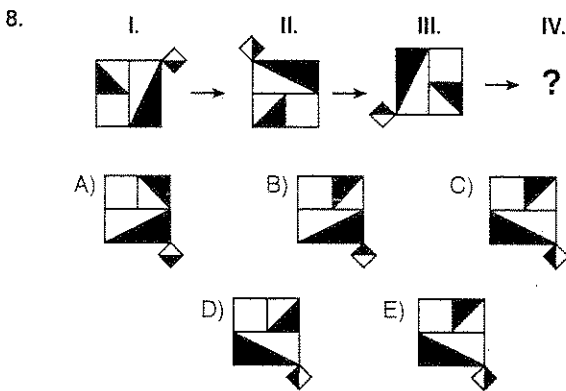
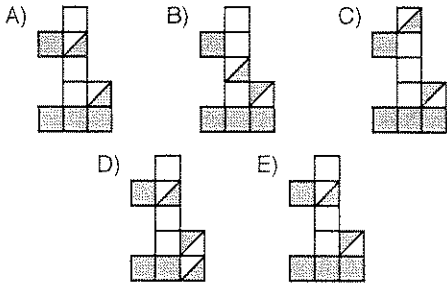
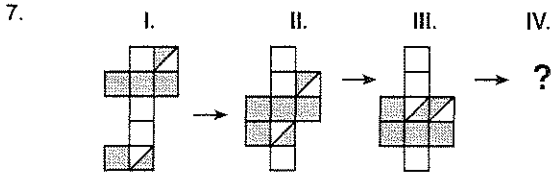


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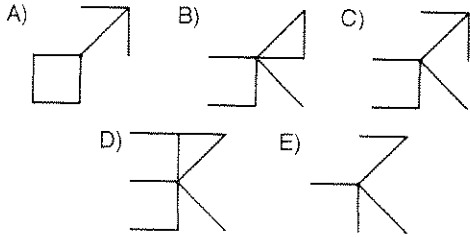
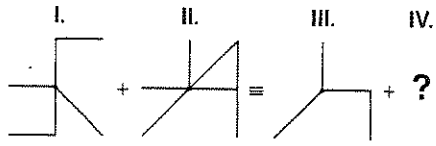
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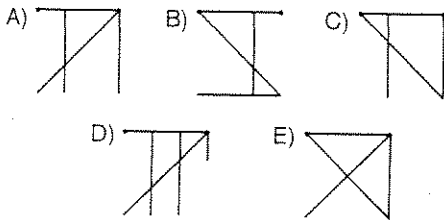
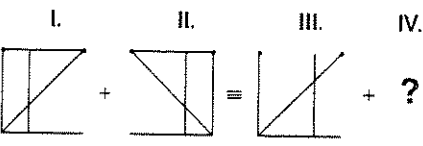


Yanıtlar / Answers				
1. C	4. C	7. E	10. D	13. D
2. C	5. B	8. C	11. C	
3. E	6. A	9. E	12. B	

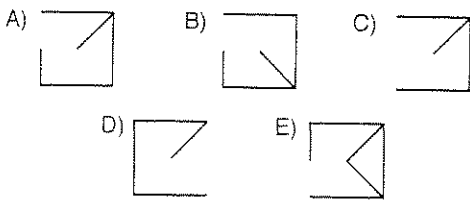
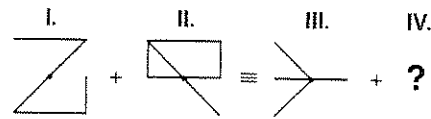
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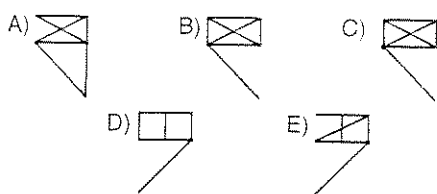
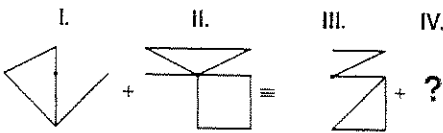
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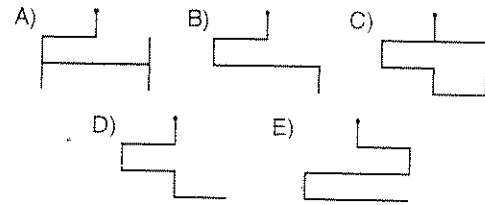
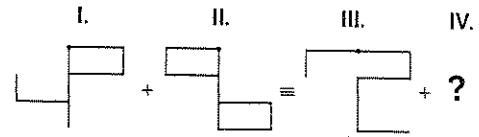
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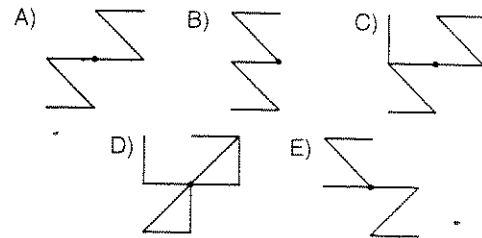
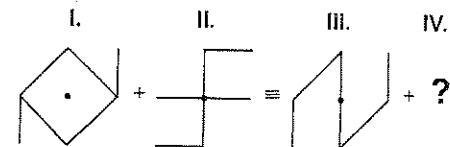
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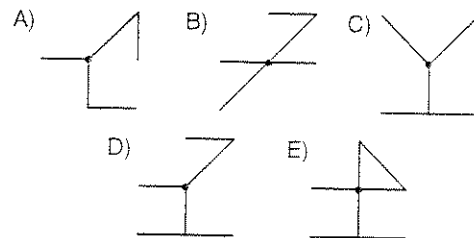
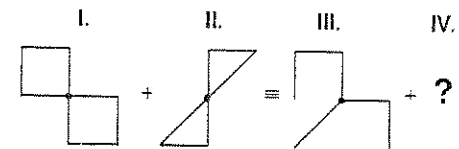
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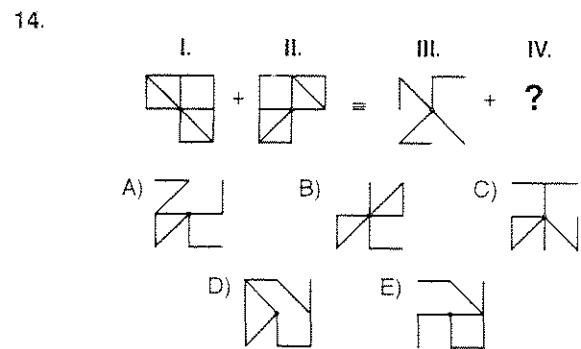
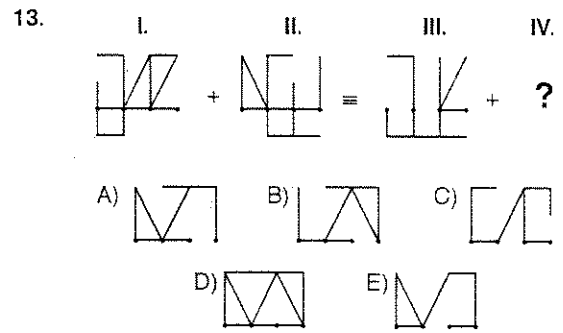
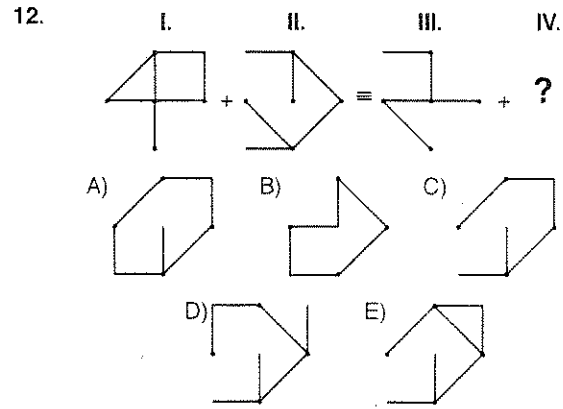
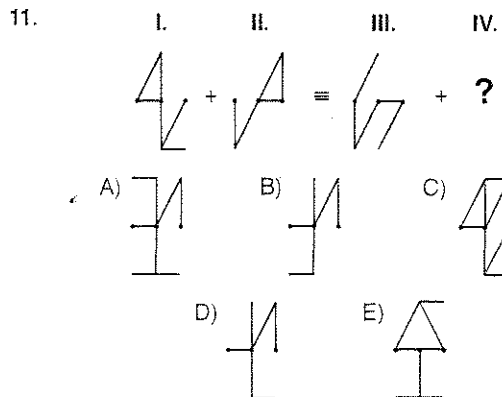
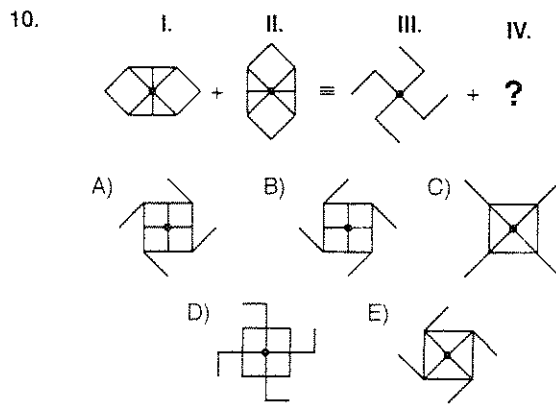
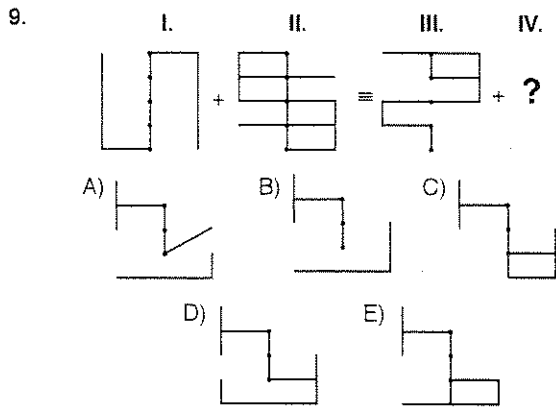
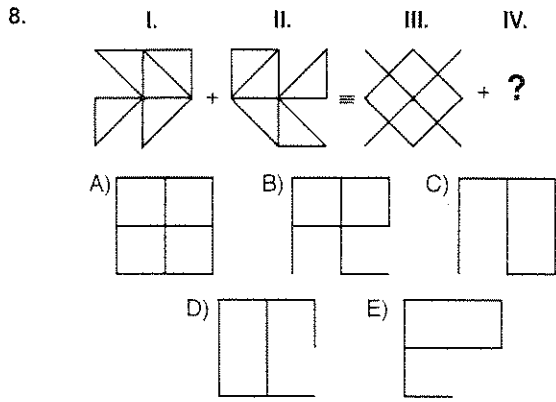


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7.

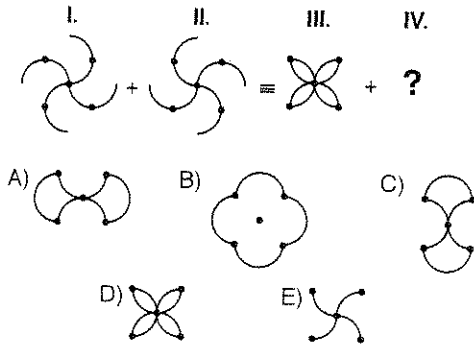




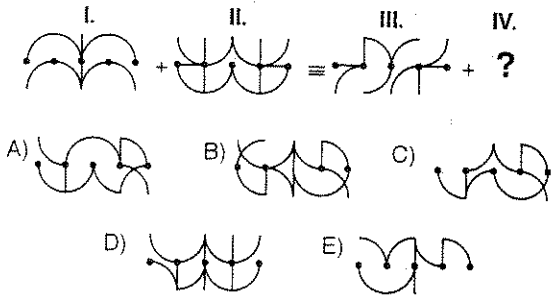
Yanıtlar / Answers

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

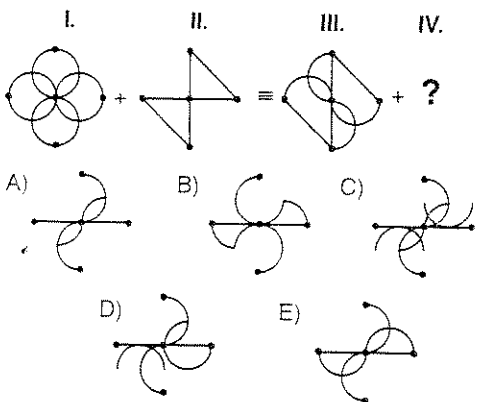
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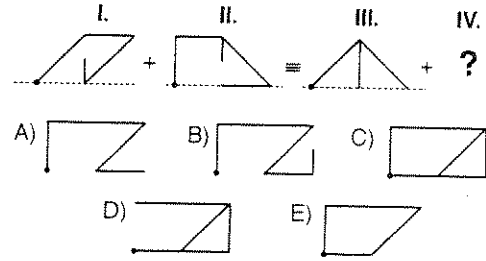
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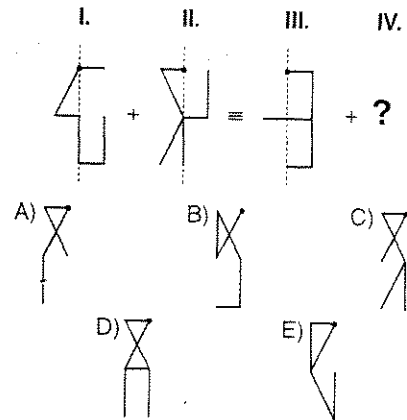
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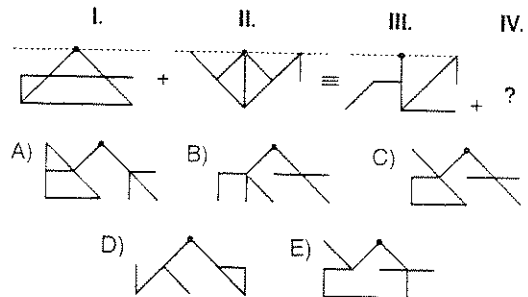
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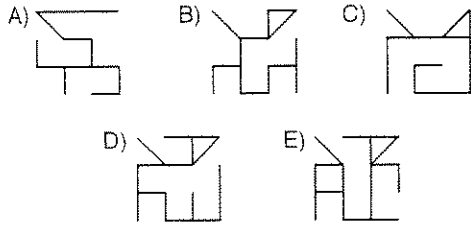
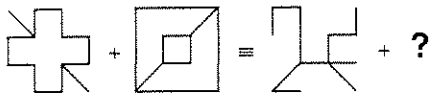
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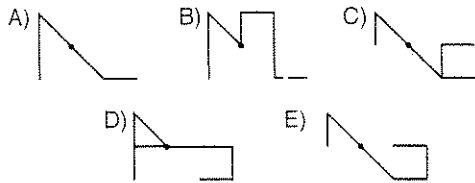
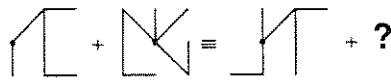
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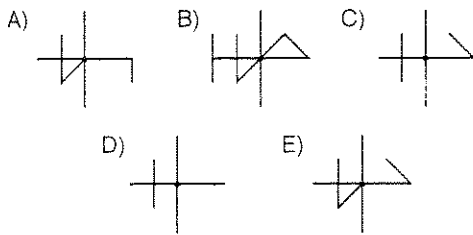
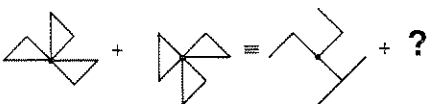
7. I. II. III. IV.



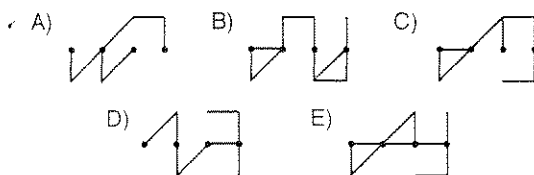
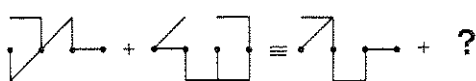
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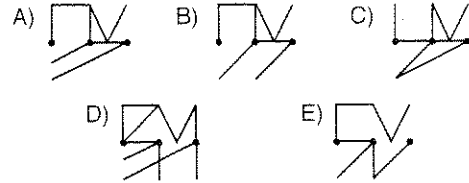
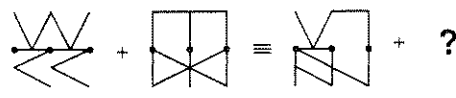
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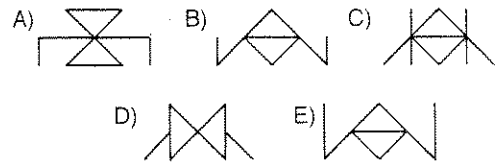
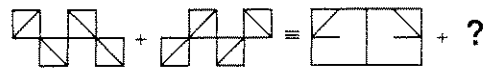
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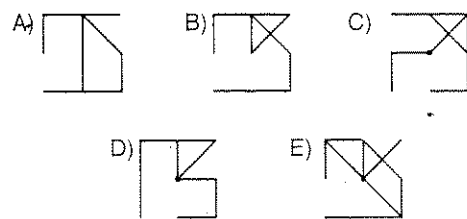
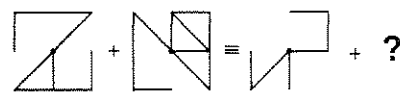
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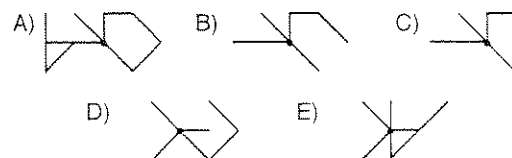
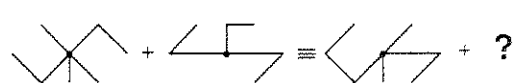
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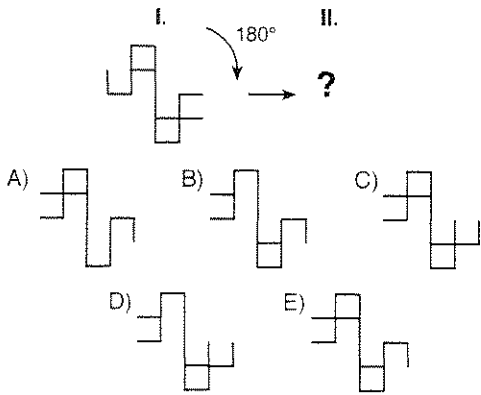
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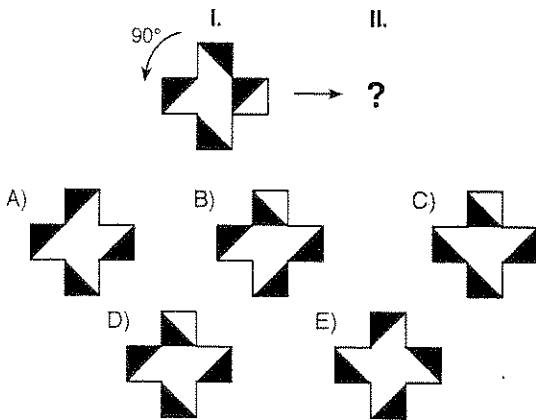
Yanıtlar / Answers

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

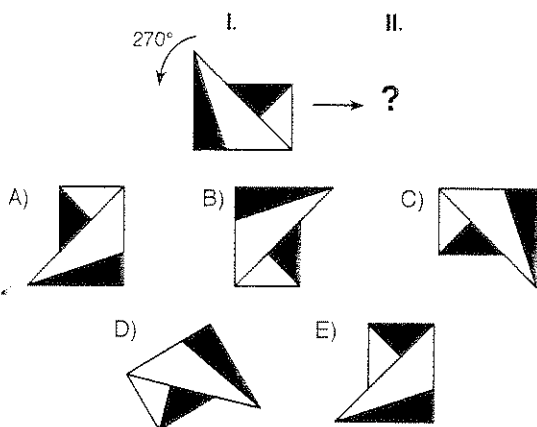
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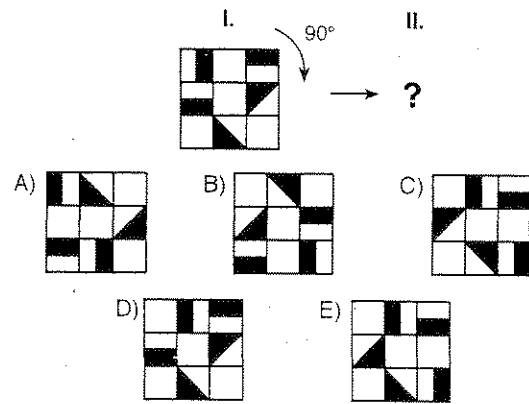
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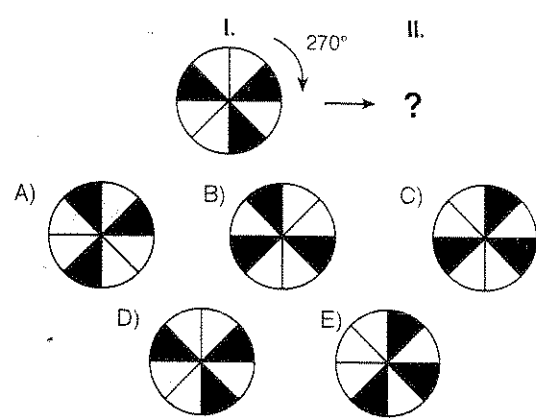
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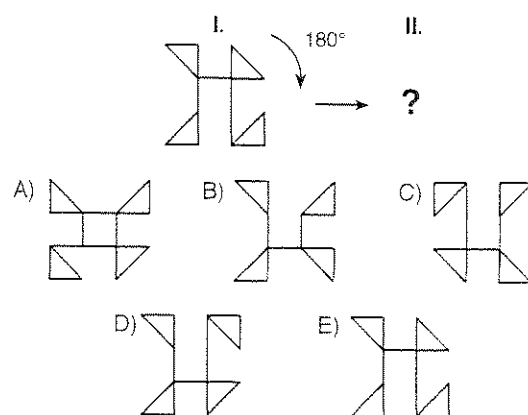
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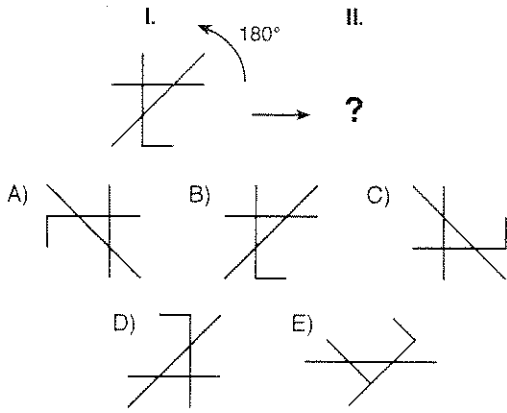
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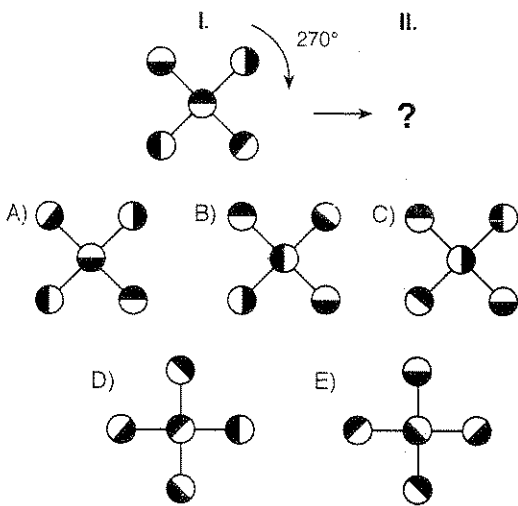
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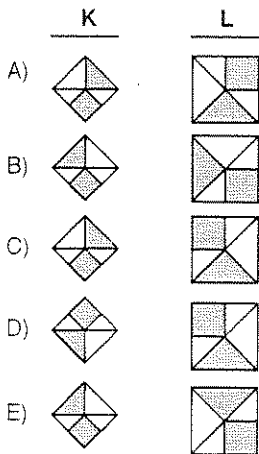
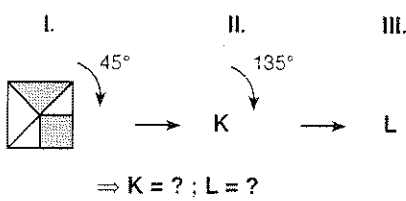
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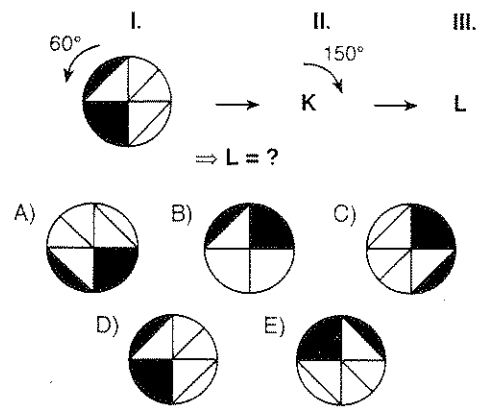
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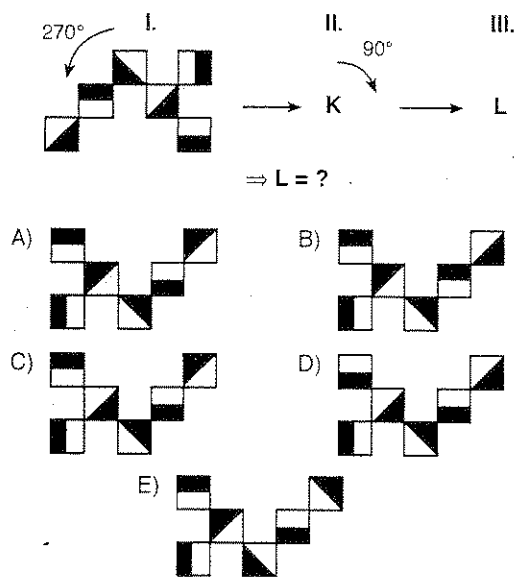
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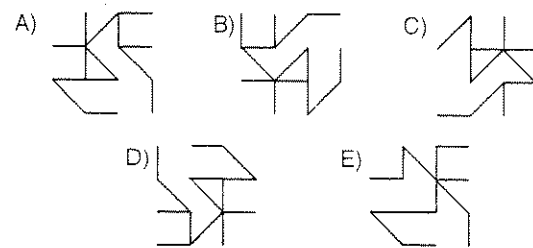
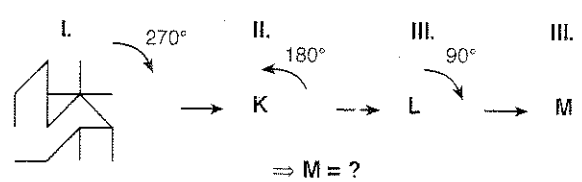
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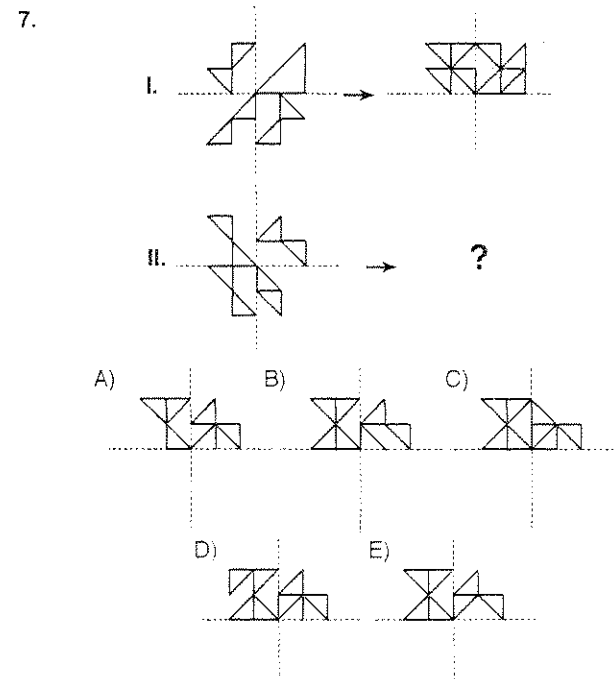
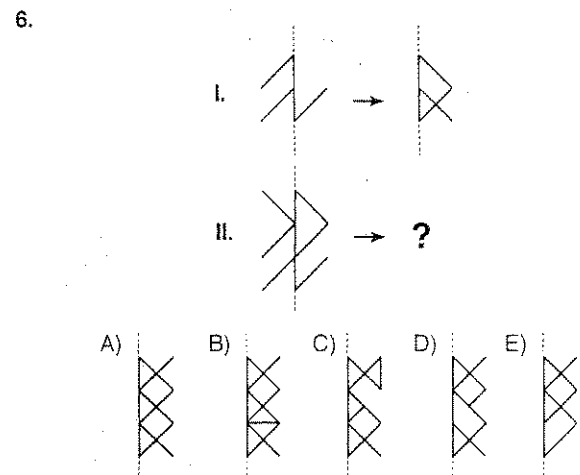
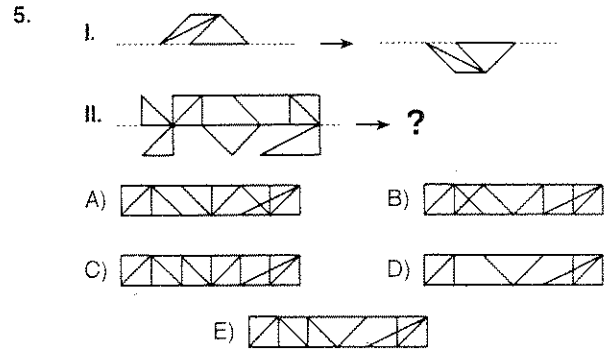
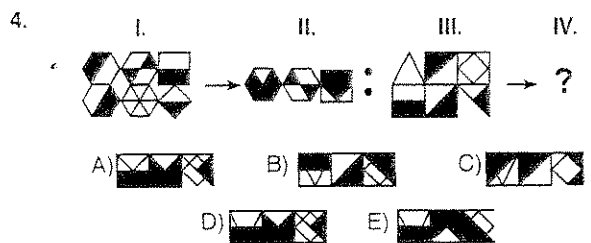
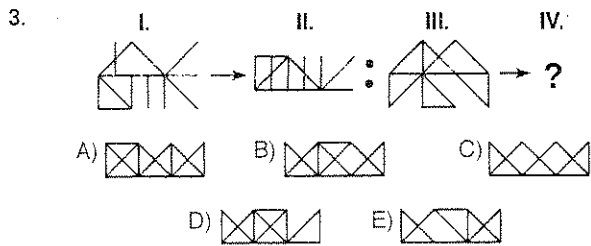
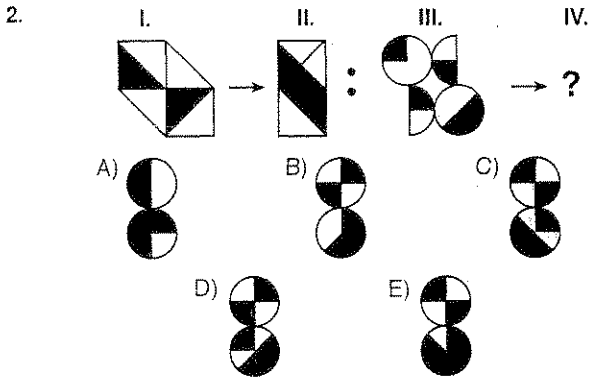
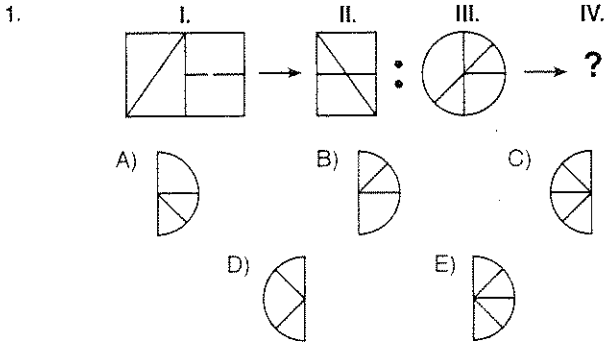
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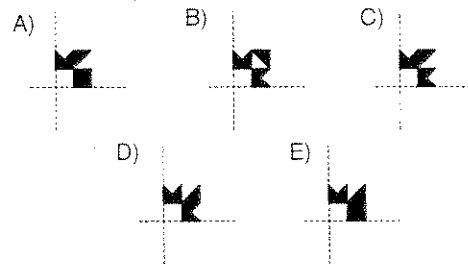
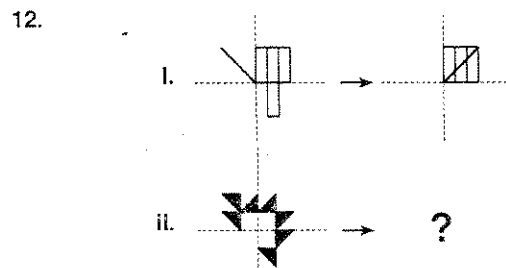
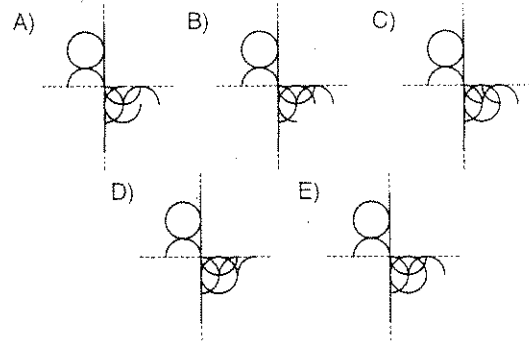
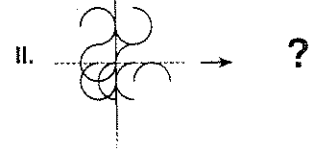
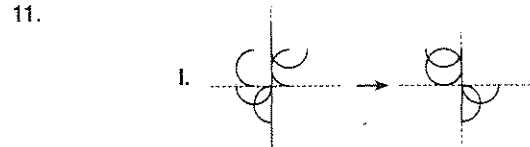
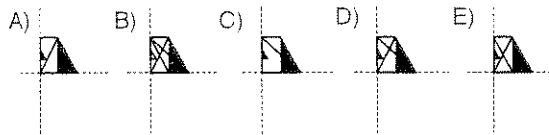
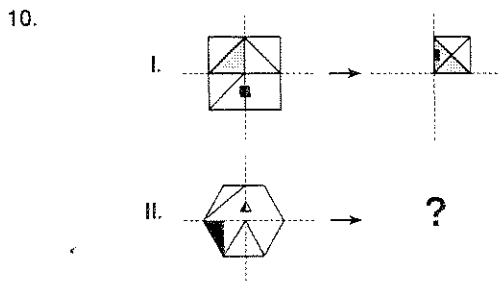
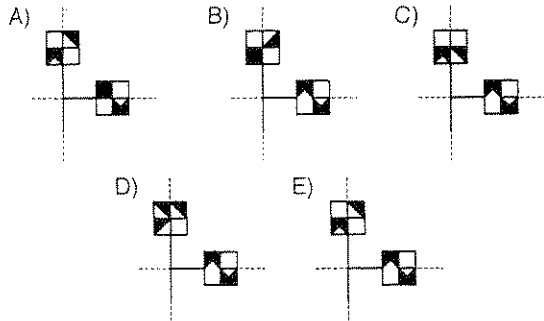
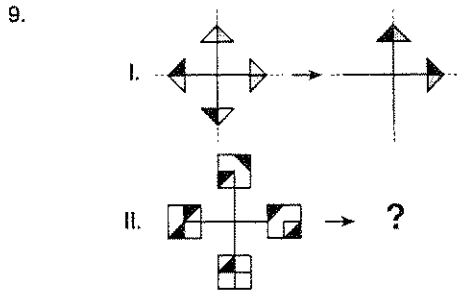
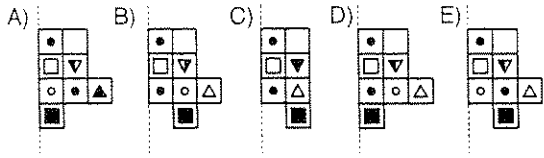
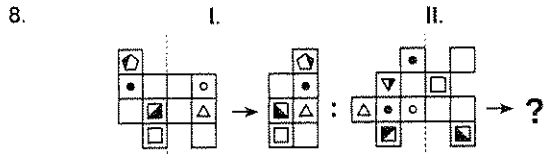


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Yanıtlar / Answers

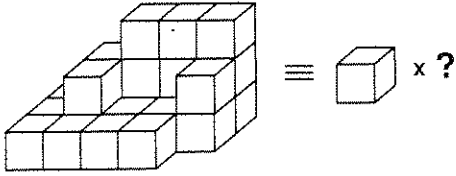
1. E	4. C	7. D	10. E
2. D	5. A	8. B	11. A
3. B	6. C	9. C	12. B





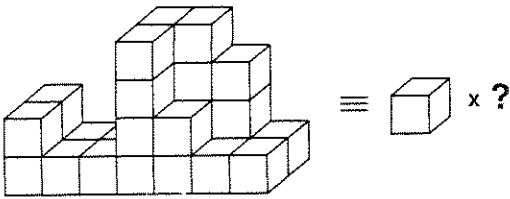
Yanıtlar / Answers			
1. E	4. D	7. E	10. D
2. C	5. E	8. E	11. E
3. B	6. A	9. E	12. C

1.



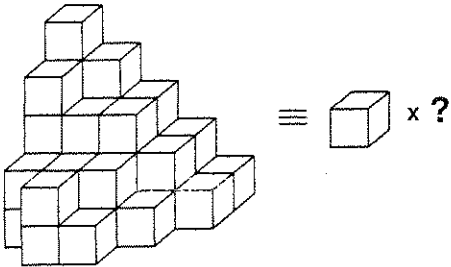
- A) 21 B) 22 C) 23 D) 24 E) 25

2.



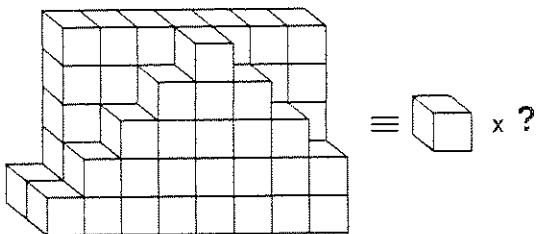
- A) 22 B) 24 C) 26 D) 28 E) 30

3.



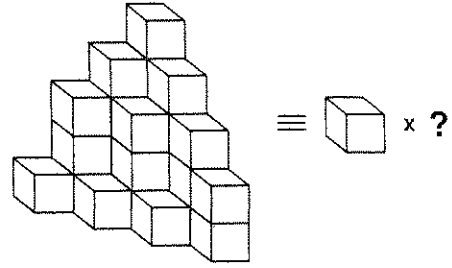
- A) 36 B) 37 C) 38 D) 39 E) 40

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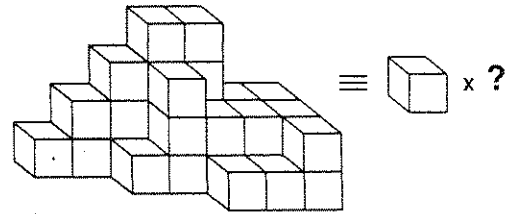
- A) 58 B) 59 C) 60 D) 61 E) 62

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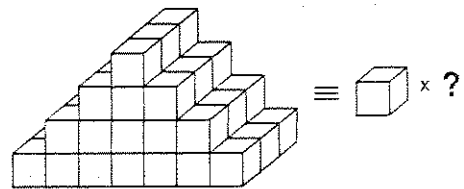
- A) 21 B) 22 C) 25 D) 27 E) 29

6.

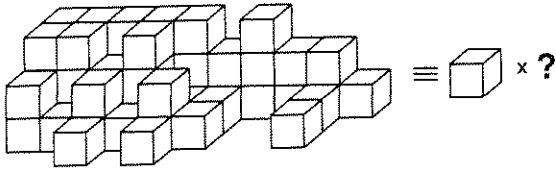


- A) 34 B) 32 C) 30 D) 28 E) 26

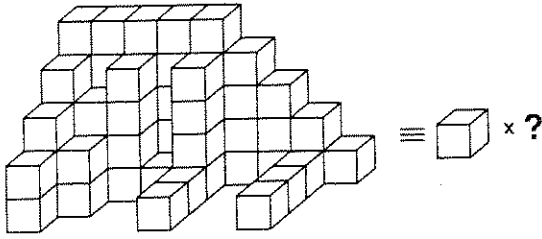
7.



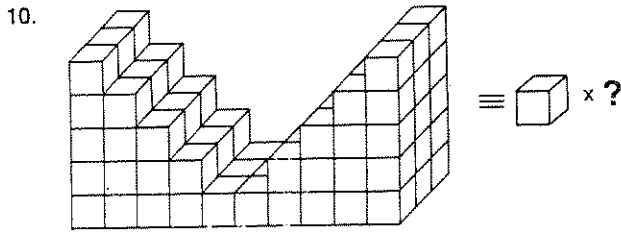
- A) 46 B) 48 C) 50 D) 52 E) 54



- A) 48 B) 51 C) 53 D) 56 E) 58

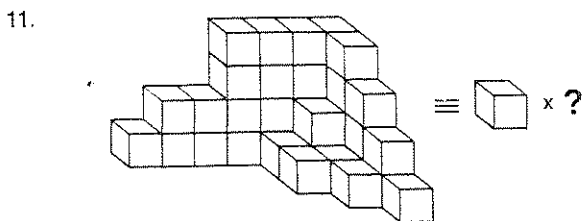


- A) 60 B) 61 C) 62 D) 63 E) 64



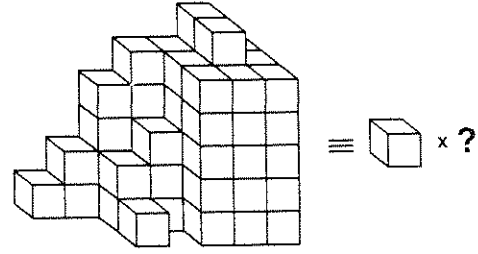
- A) 87 B) 90 C) 93 D) 96 E) 99

$$30 + (1 + 1 + 1 + 1 + 1) \cdot 2$$



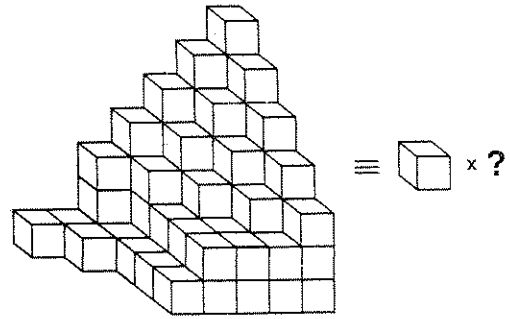
- A) 36 B) 37 C) 38 D) 39 E) 40

12.



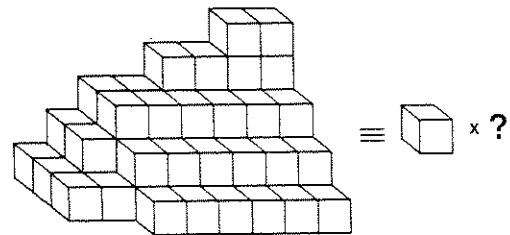
- A) 64 B) 65 C) 66 D) 67 E) 68

13.



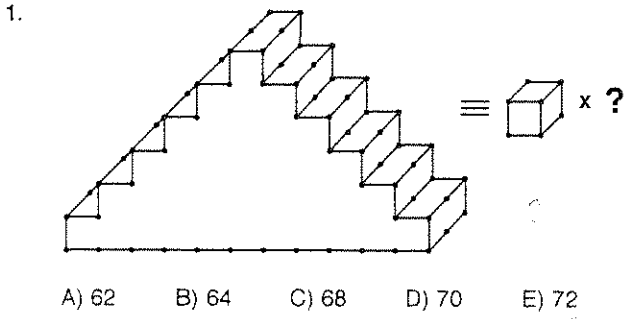
- A) 80 B) 81 C) 82 D) 83 E) 84

14.

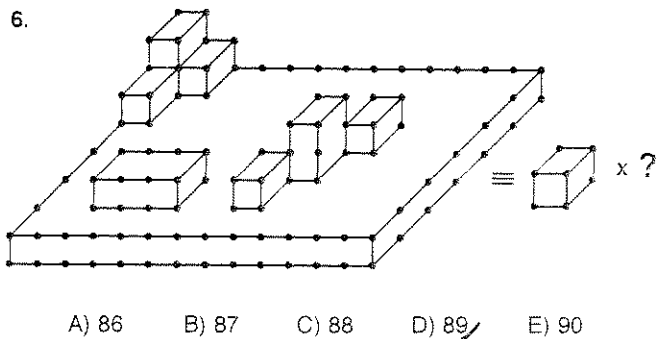
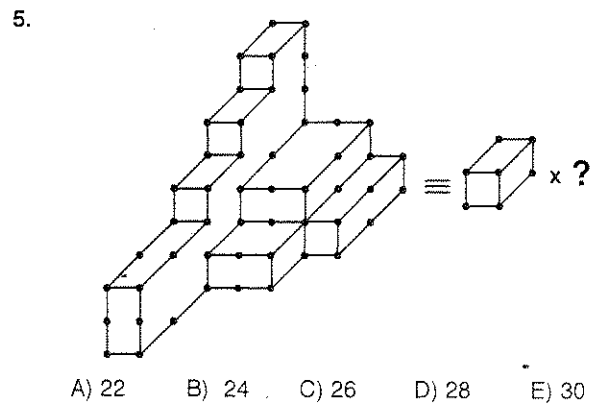
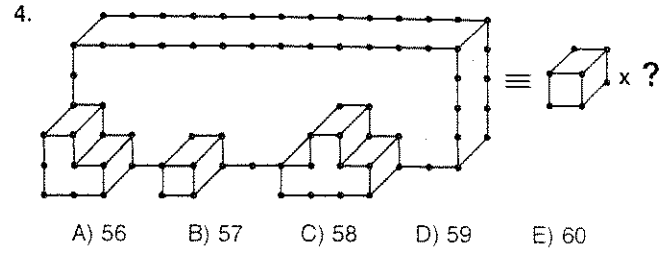
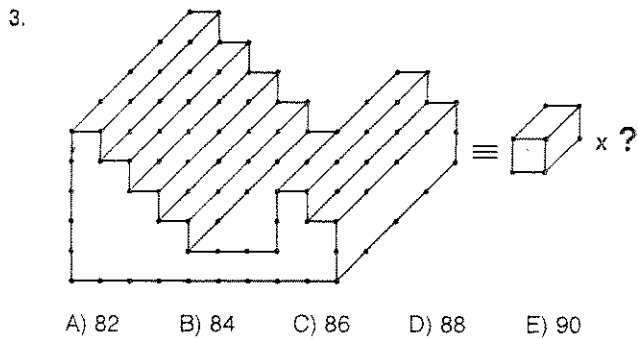
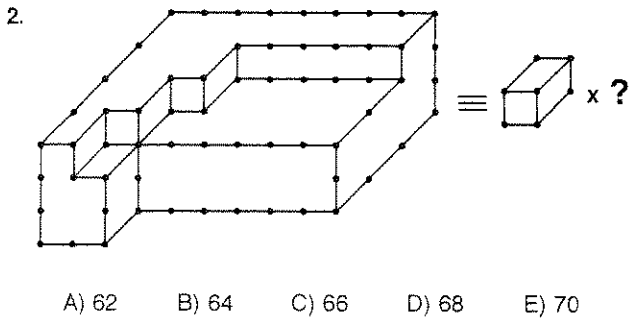


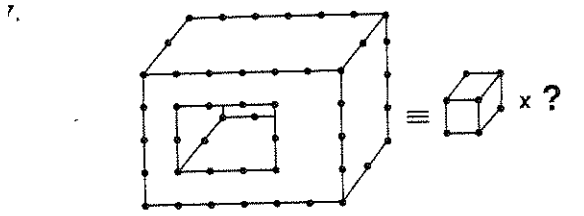
- A) 64 B) 66 C) 68 D) 70 E) 72

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

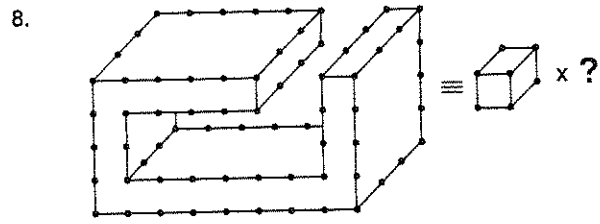


$$1 + 2 + 3 + 4 + 5 + 6 + 18 + 14 + 10 + 6 + 1$$

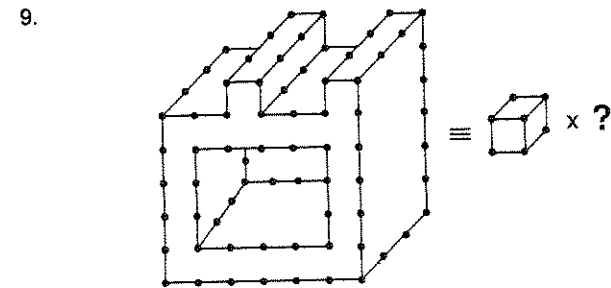




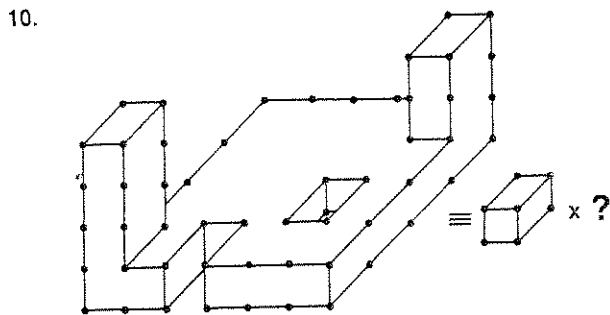
- A) 34 B) 36 C) 38 D) 40 E) 42



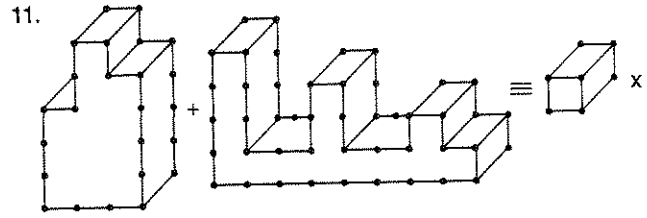
- A) 45 B) 48 C) 51 D) 54 E) 57



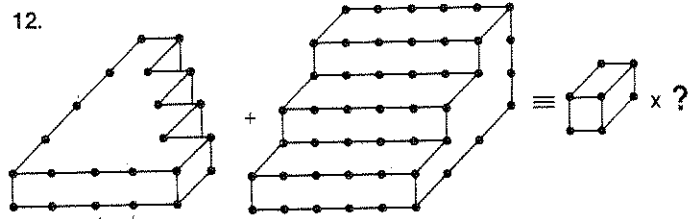
- A) 54 B) 57 C) 60 D) 63 E) 69



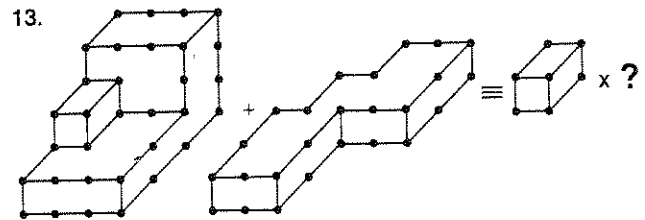
- A) 27 B) 28 C) 29 D) 30 E) 31



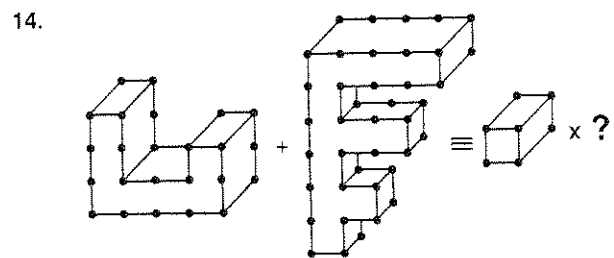
- A) 27 B) 26 C) 25 D) 24 E) 23



- A) 38 B) 40 C) 42 D) 44 E) 46



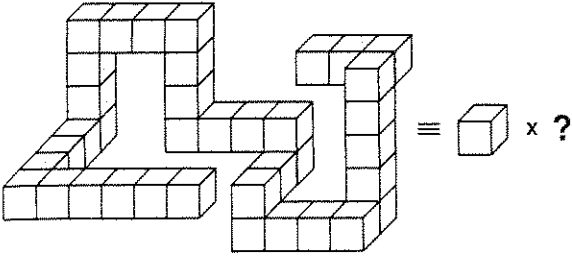
- A) 25 B) 24 C) 23 D) 22 E) 21



- A) 17 B) 18 C) 19 D) 20 E) 21

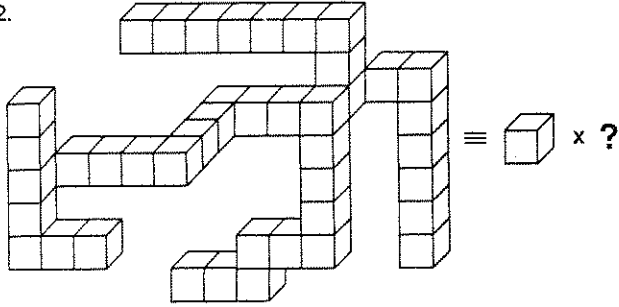
Yanıtlar / Answers				
1. E	4. E	7. B	10. A	13. A
2. C	5. D	8. D	11. B	14. C
3. D	6. D	9. C	12. B	

1.



- A) 37 B) 36 C) 35 D) 34 E) 33

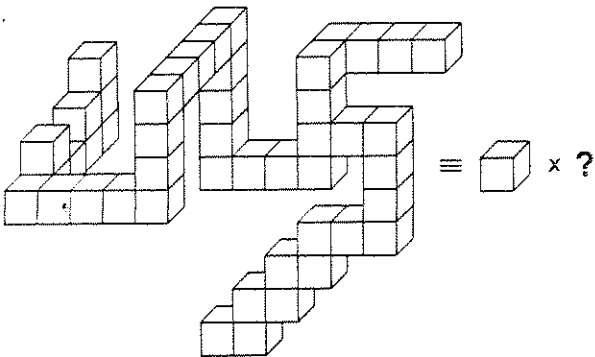
2.



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

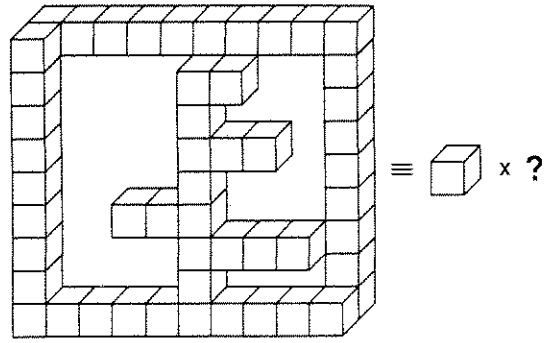
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3.



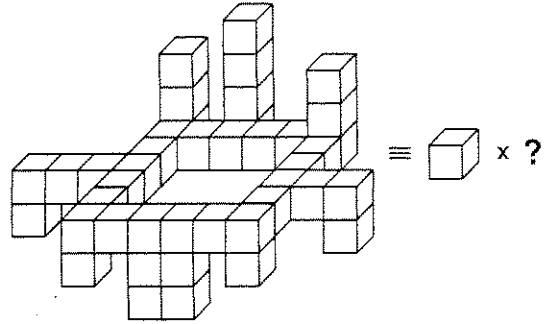
- A) 45 B) 46 C) 47 D) 48 E) 49

4.



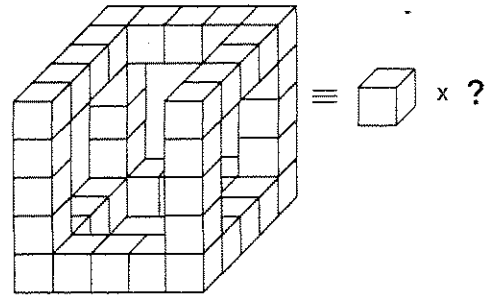
- A) 48 B) 49 C) 50 D) 51 E) 52

5.



- A) 40 B) 41 C) 42 D) 43 E) 44

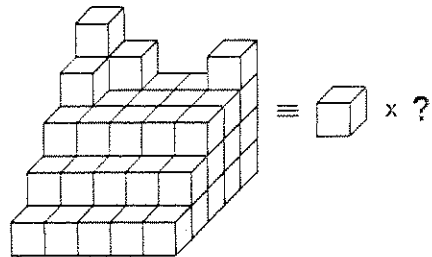
6.



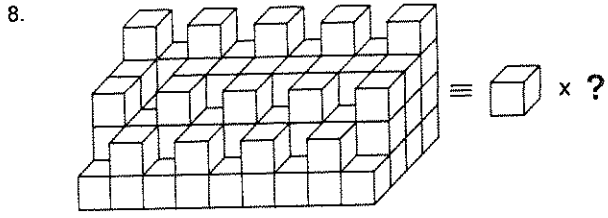
- A) 40 B) 41 C) 42 D) 43 E) 44

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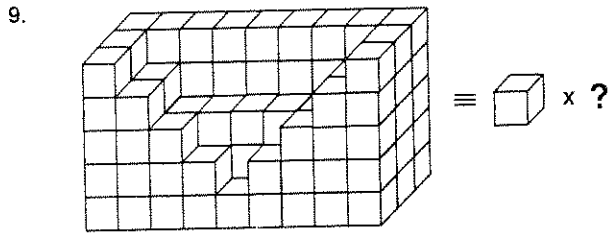
7.



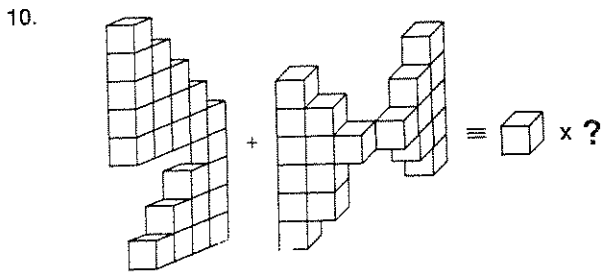
- A) 62 B) 63 C) 64 D) 65 E) 66



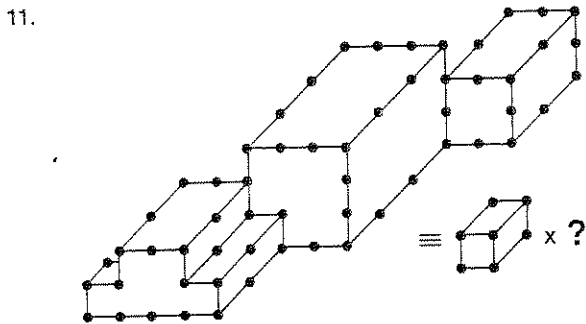
- A) 94 B) 95 C) 96 D) 97 E) 98



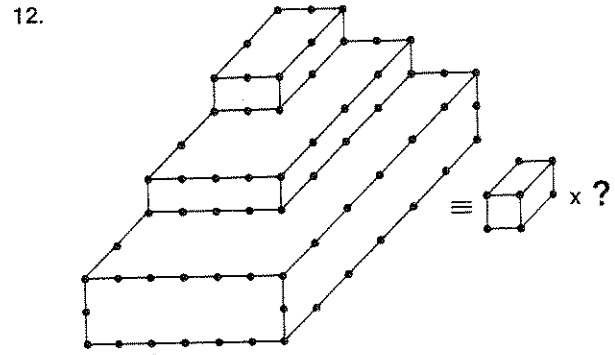
- A) 105 B) 106 C) 107 D) 108 E) 109



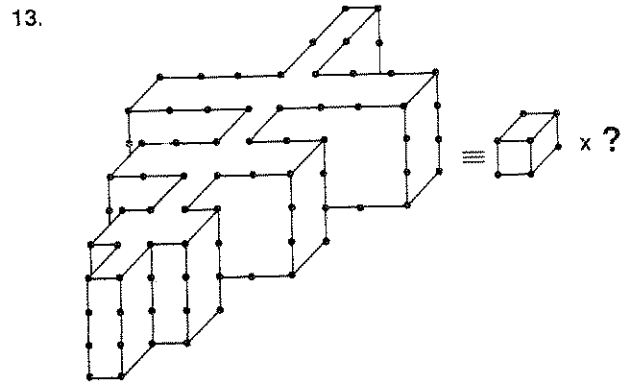
- A) 41 B) 42 C) 43 D) 44 E) 45



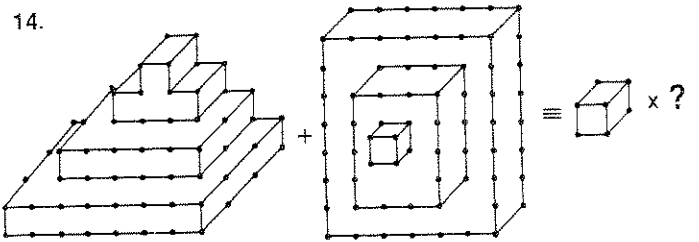
- A) 45 B) 46 C) 47 D) 48 E) 49



- A) 92 B) 94 C) 96 D) 98 E) 100

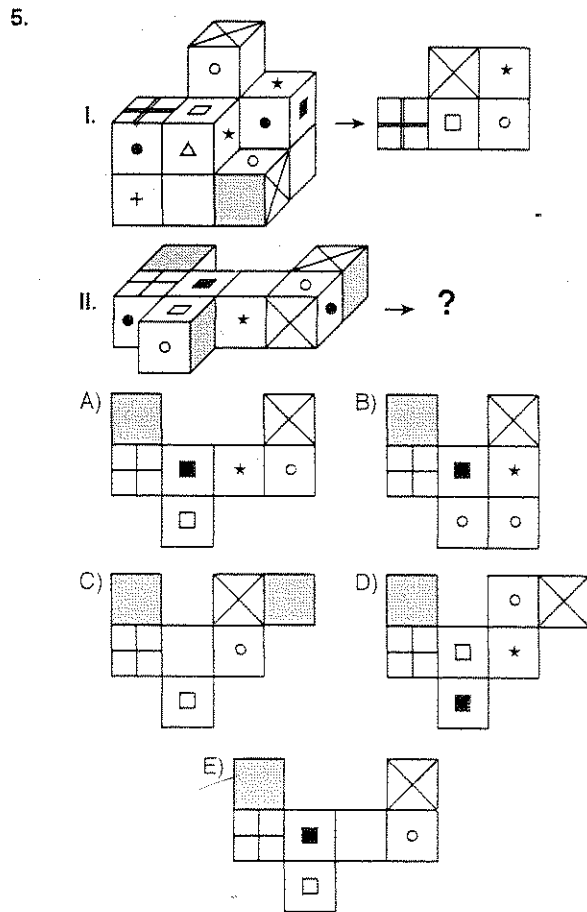
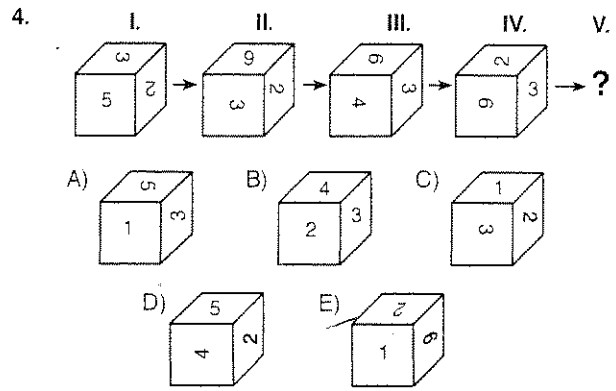
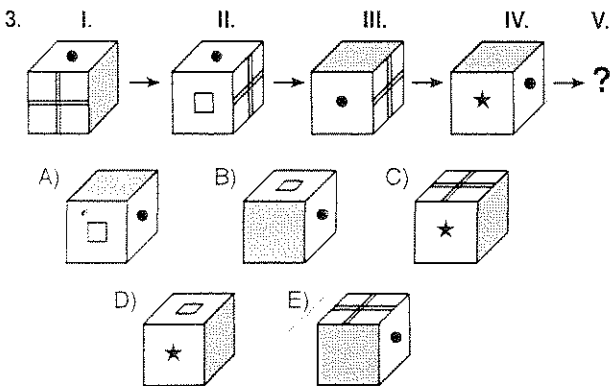
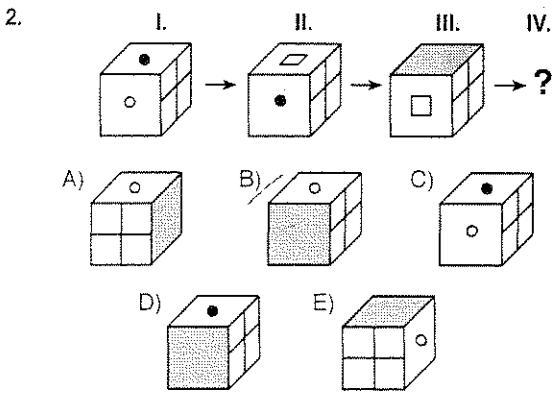
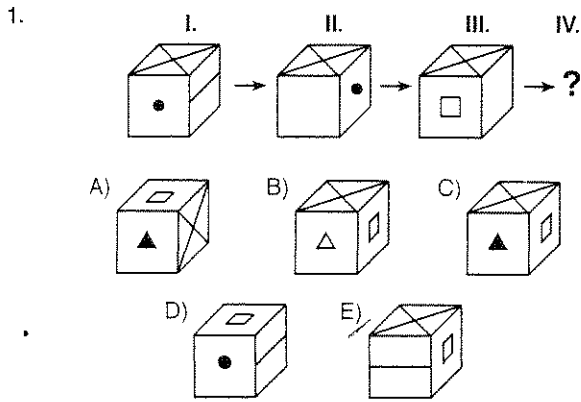


- A) 51 B) 54 C) 57 D) 60 E) 63

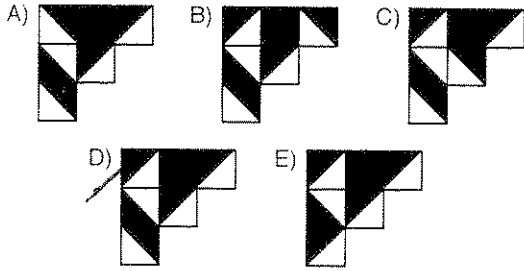
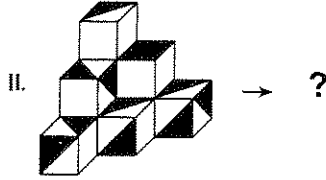
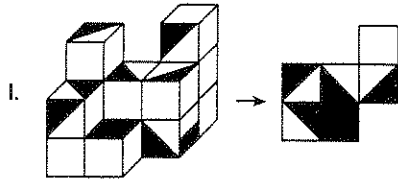


- A) 82 B) 84 C) 86 D) 88 E) 90

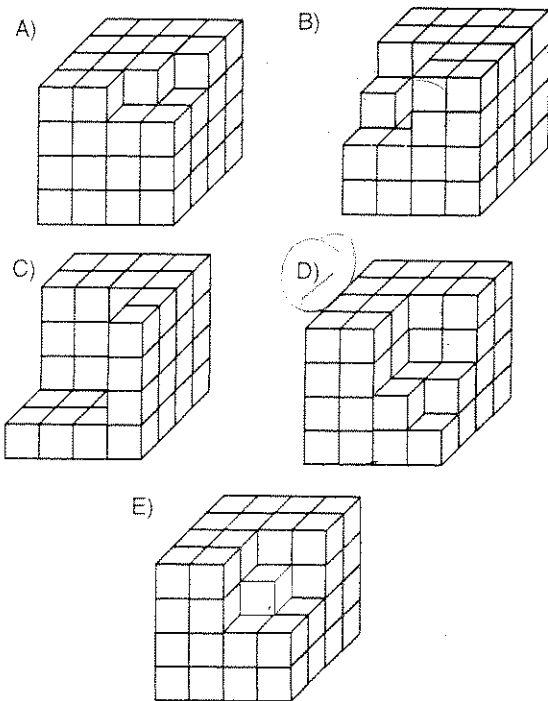
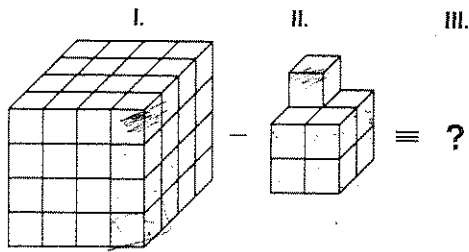
Yanıtlar / Answers				
1. A	4. D	7. D	10. E	13. D
2. B	5. C	8. A	11. B	14. E
3. C	6. B	9. C	12. A	



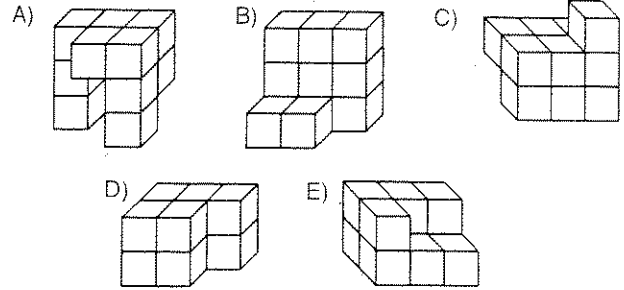
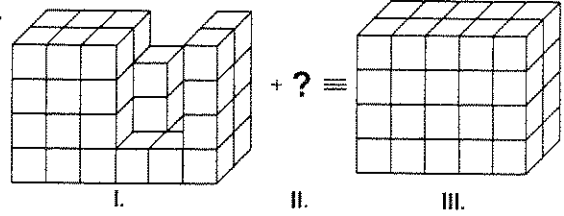
6.



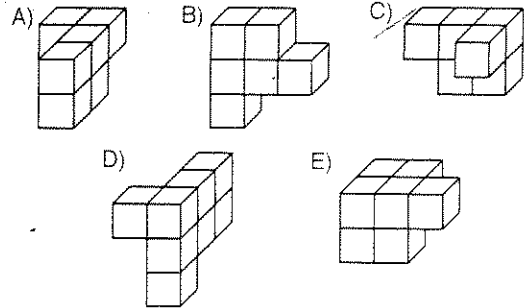
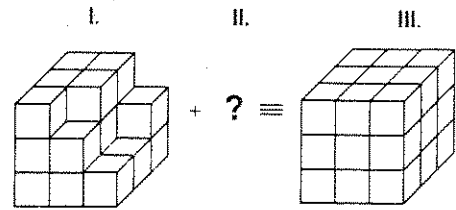
7.



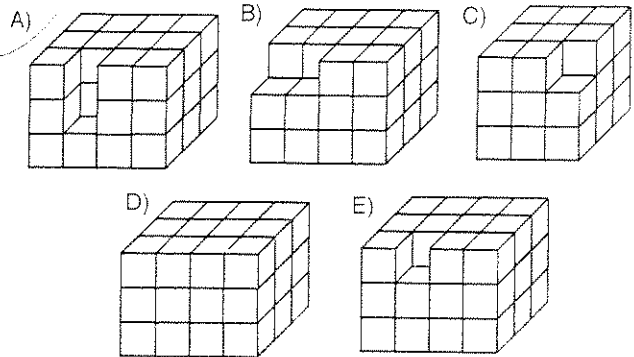
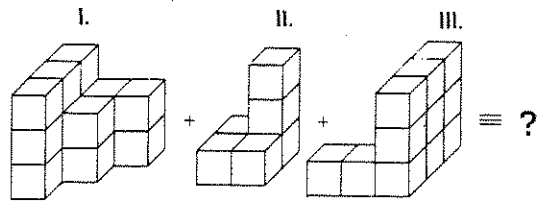
8.



9.



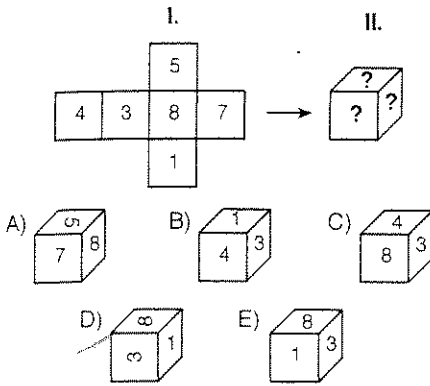
10.



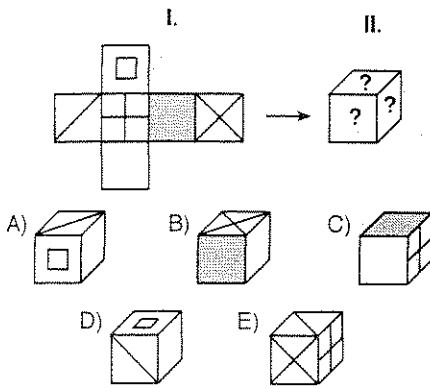
Yanıtlar / Answers

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

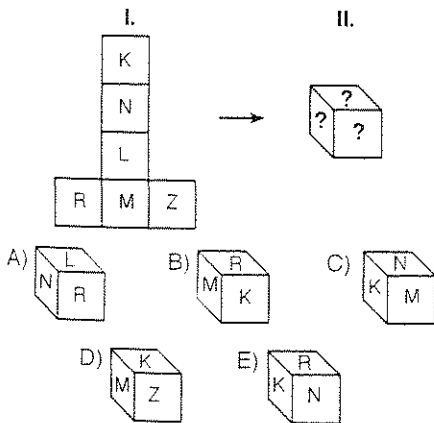
1.



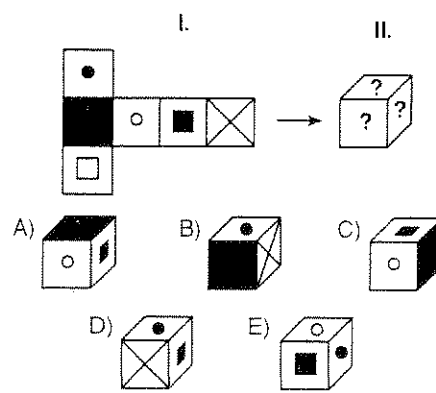
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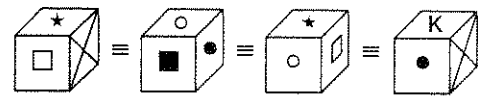
3.



4.

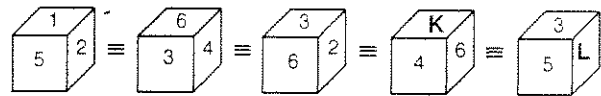


5.



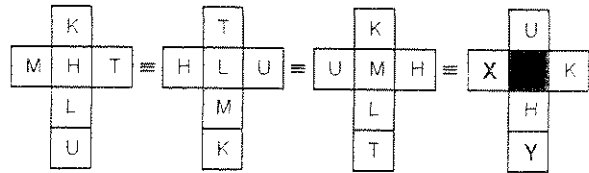
A) B) C) D) E)

6.

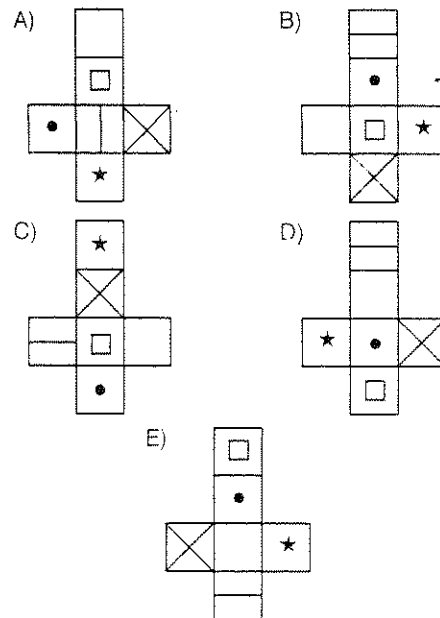
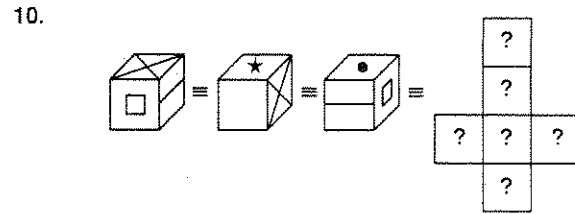
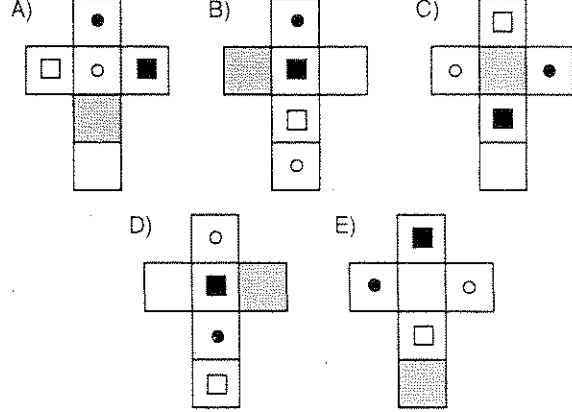
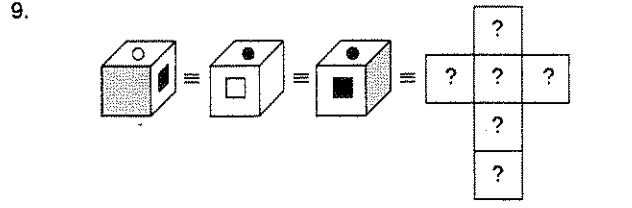
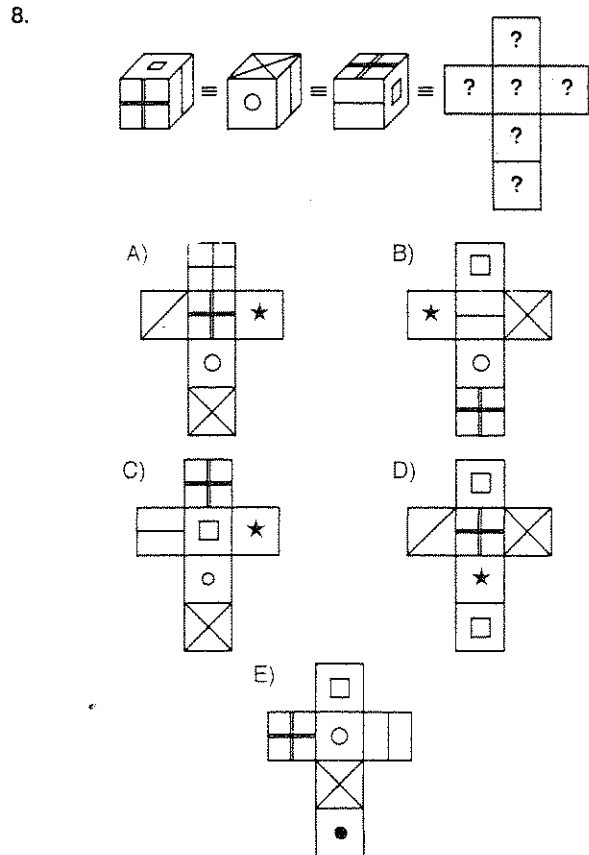
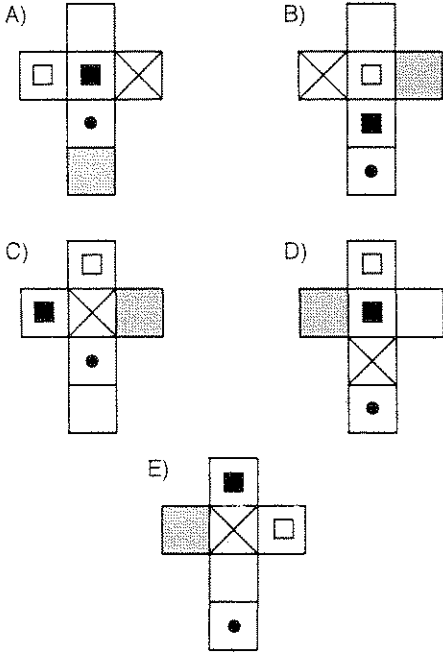
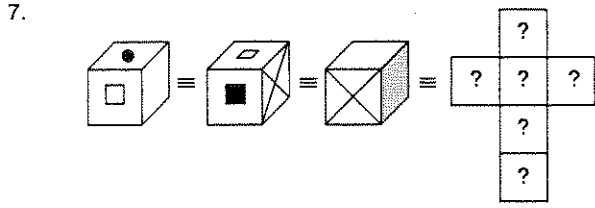


A) 2; 4 B) 3; 6 C) 3; 4 D) 1; 2 E) 1; 6

6.

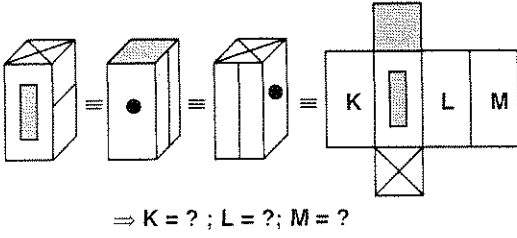


A) L; T B) T; L C) M; T D) M; L E) L; M



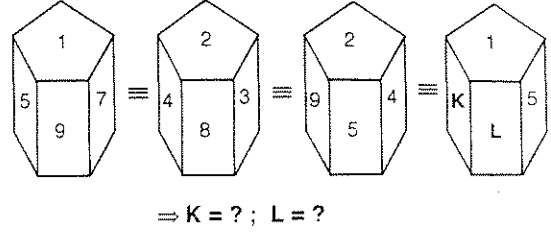
Yanıtlar / Answers			
1. D	4. E	7. E	10. A
2. B	5. E	8. C	
3. A	6. A	9. E	

1.



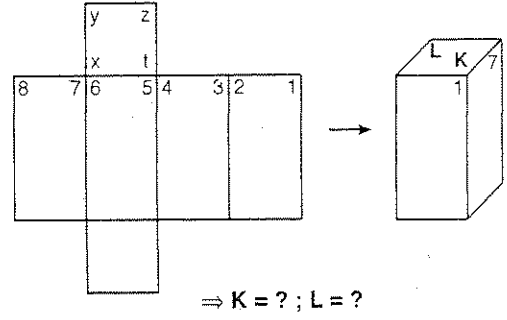
- | | K | L | M |
|----|---|---|---|
| A) | | | |
| B) | | | |
| C) | | | |
| D) | | | |
| E) | | | |

3.



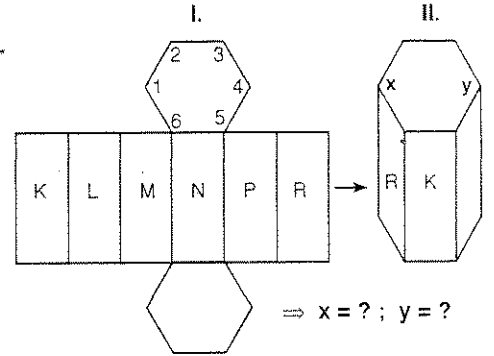
- A) 4; 8 B) 9; 3 C) 3; 9
D) 8; 4 E) 3; 8

4.



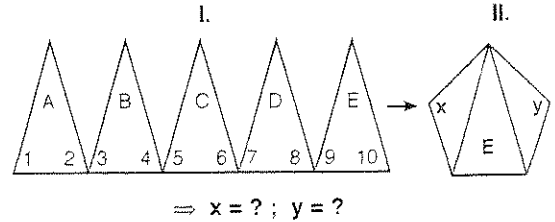
- A) y; t B) z; x C) y; x
D) x; t E) t; z

5.



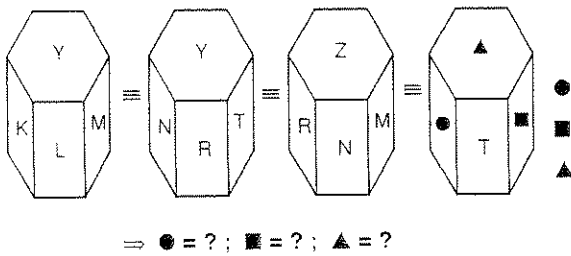
- A) 2; 5 B) 3; 6 C) 2; 6
D) 1; 5 E) 4; 1

6.



- A) 8; 1 B) 8; 2 C) 7; 1
D) 7; 2 E) 9; 1

2.



- | | K | L | M |
|----|---|---|---|
| A) | R | K | Z |
| B) | K | R | Y |
| C) | K | R | Z |
| D) | L | N | Z |
| E) | N | L | X |

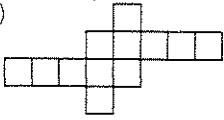
7.

I. II. ?

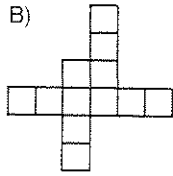


?

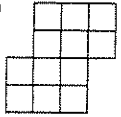
A)



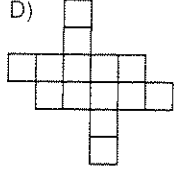
B)



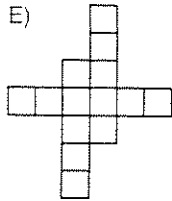
C)



D)



E)



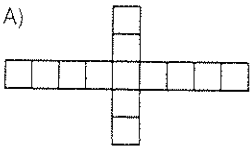
8.

I. II. ?

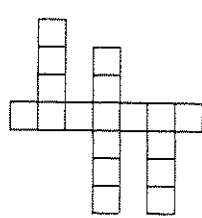


?

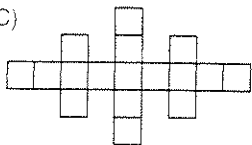
A)



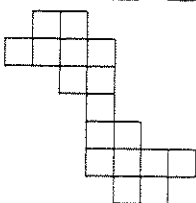
B)



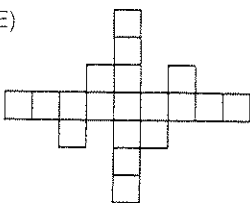
C)



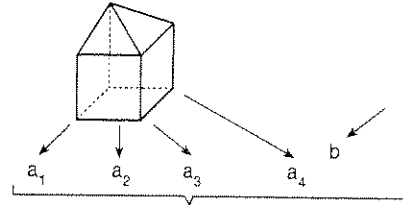
D)



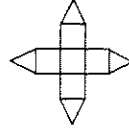
E)



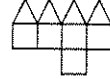
9.



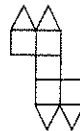
I.



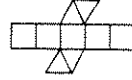
II.



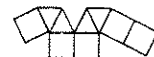
III.



IV.



V.



$$a_1 = a_2 = a_3 = a_4 \neq b \Rightarrow b = ?$$

A) I

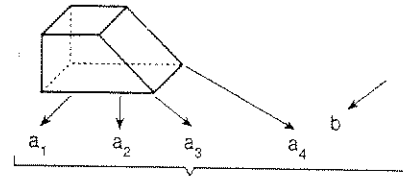
B) II

C) III

D) IV

E) V

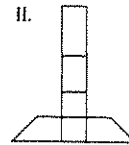
10.



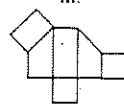
I.



II.



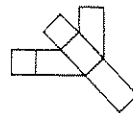
III.



IV.



V.



$$a_1 = a_2 = a_3 = a_4 \neq b \Rightarrow b = ?$$

A) I

B) II

C) III

D) IV

E) V

Yanıtlar / Answers

1. E

3. D

5. E

7. A

9. D

2. C

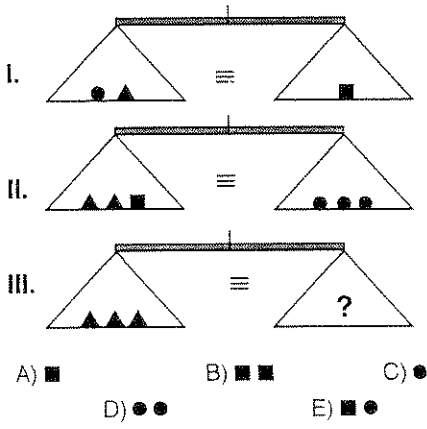
4. A

6. D

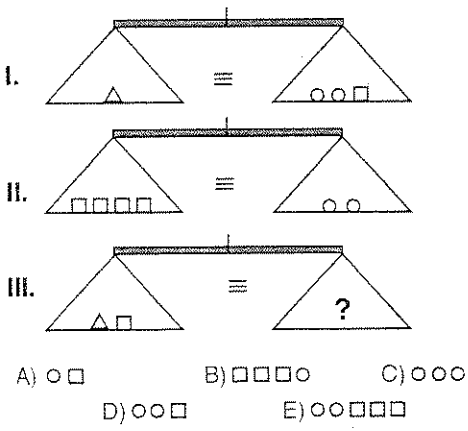
8. B

10. D

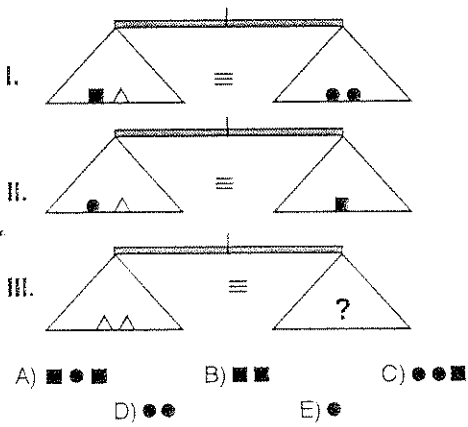
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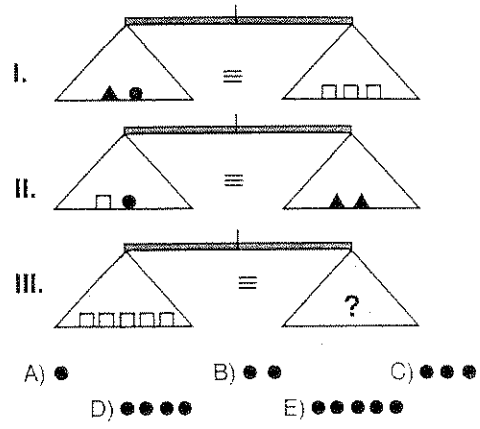
2.



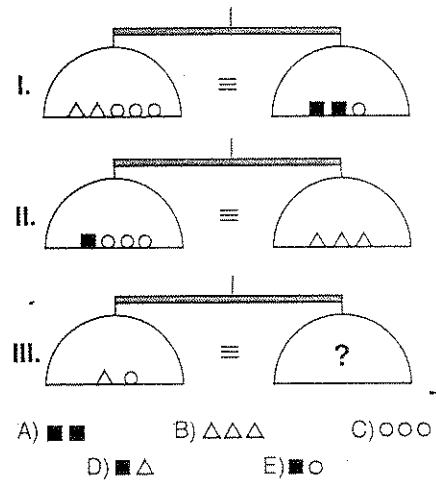
3.



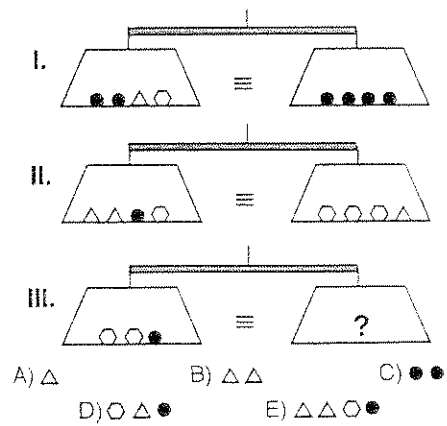
4.



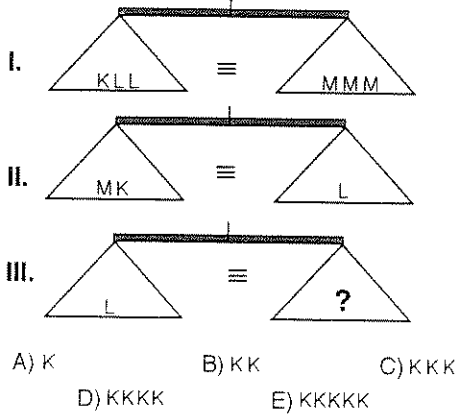
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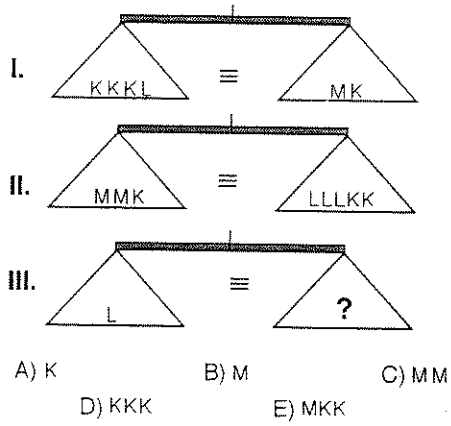
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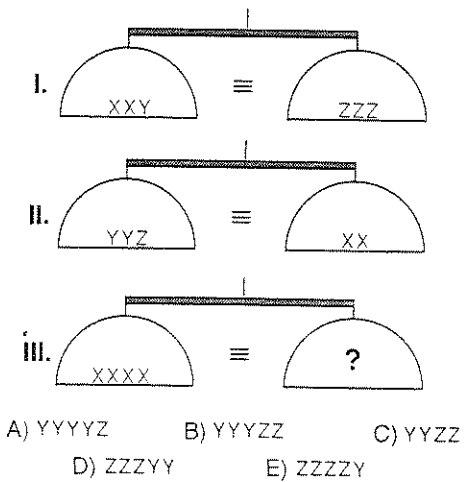
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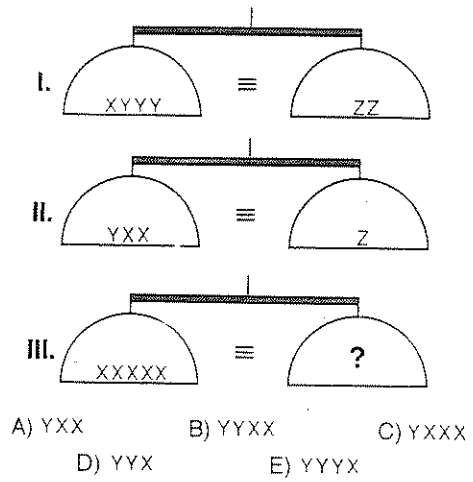
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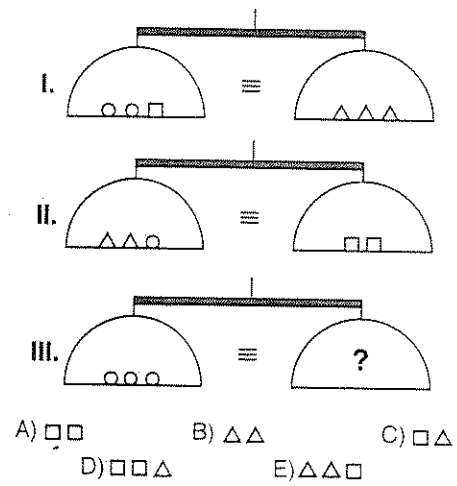
9.



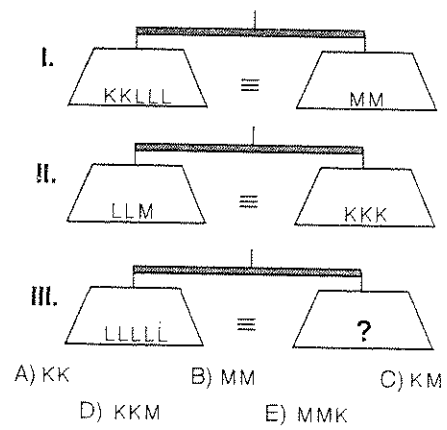
10.



11.

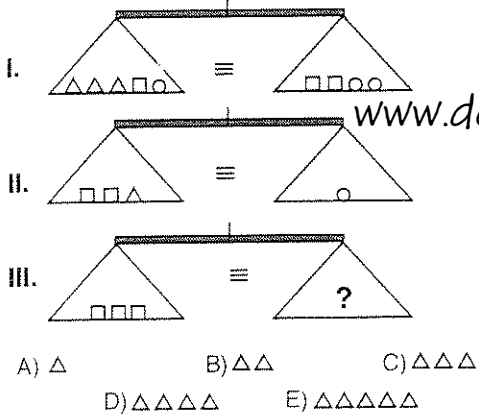


12.



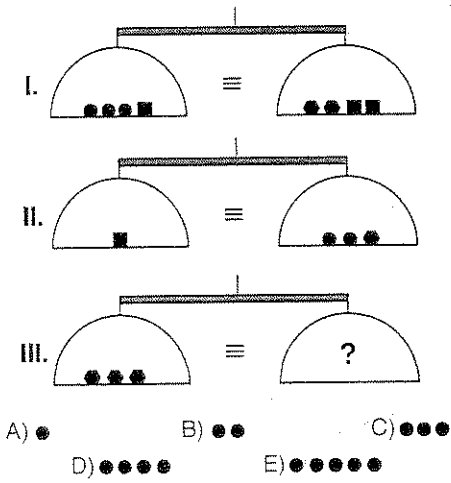
Yanıtlar / Answers			
1. D	4. C	7. D	10. A
2. C	5. C	8. D	11. C
3. E	6. D	9. E	12. C

1.

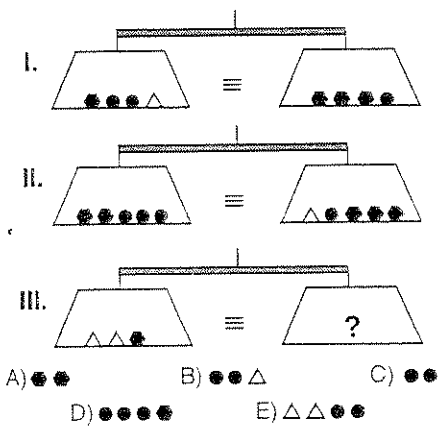


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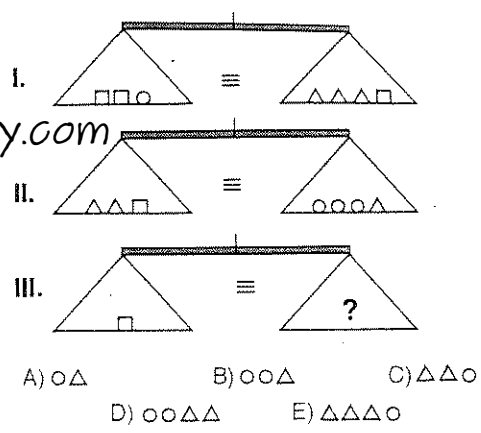
2.



3.

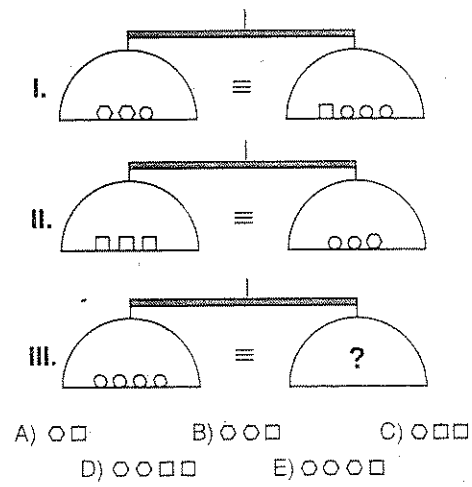


4.

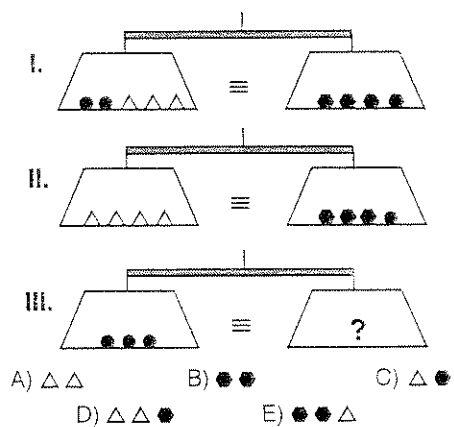


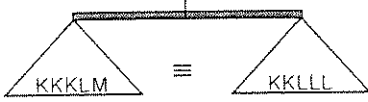
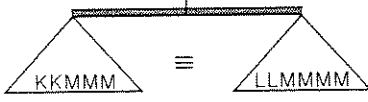
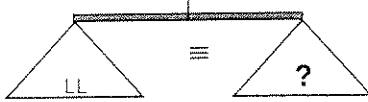
www.douknowturkey.com

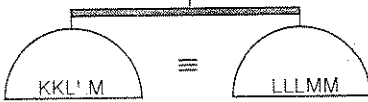
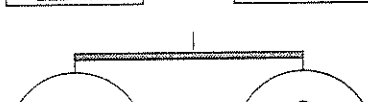
5.



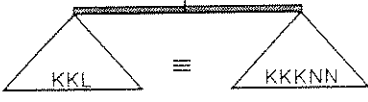
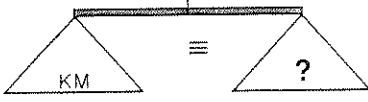
6.

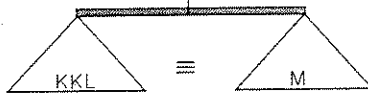
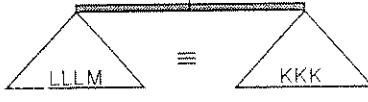
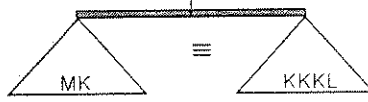
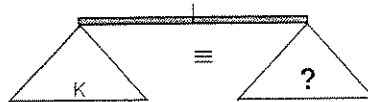


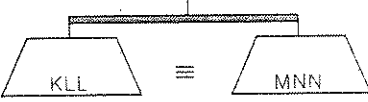
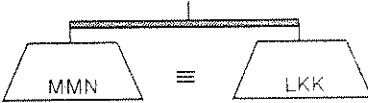
- 7.
- I. 
- II. 
- III. 
- A) M B) MM C) MMM
D) MMMM E) MMMMM

- 8.
- I. 
- II. 
- III. 
- A) K B) KK C) L
D) LL E) KL

- 9.
- I. 
- II. 
- III. 
- A) K B) KK C) M
D) MM E) KM

- 10.
- I. 
- II. 
- III. 
- A) M B) MM C) NMM
D) NNLL E) NLLL

- 11.
- I. 
- II. 
- III. 
- IV. 
- A) L B) M C) LM
D) MMM E) LLLL

- 12.
- I. 
- II. 
- III. 
- IV. 
- A) KL B) KKL C) KLN
D) NK E) NLL

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

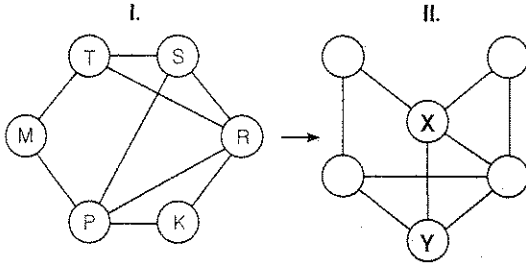
1.

■	X	Y	V	Z	T
X	Z	T	X	V	Y
Y	T	X	T	X	V
V	X	T	Y	Z	X
Z	V	X	Z	T	X
T	Y	V	X	X	X

 $((K \blacksquare X) \blacksquare T) \blacksquare V = Y \Rightarrow K = ?$

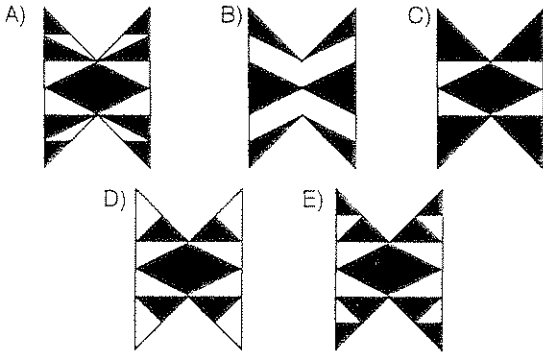
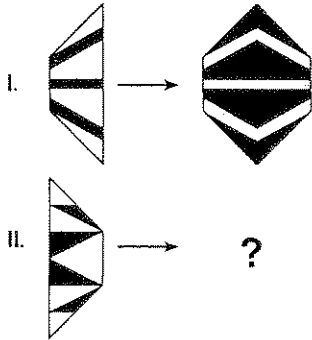
- A) T B) Z C) V D) Y E) X

2.

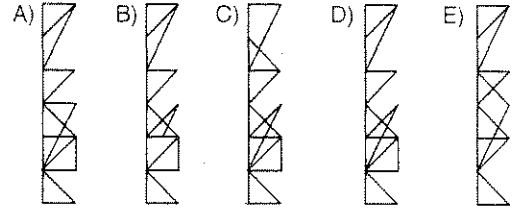
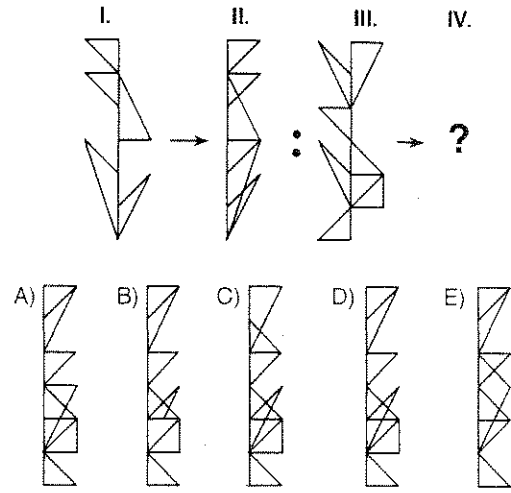

 $\Rightarrow X = ? ; Y = ?$

- A) P ; T B) P ; S C) R ; T
D) R ; S E) T ; R

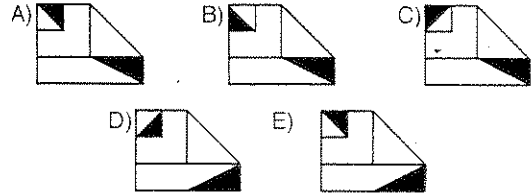
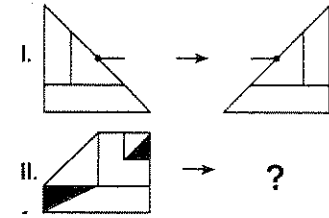
3.



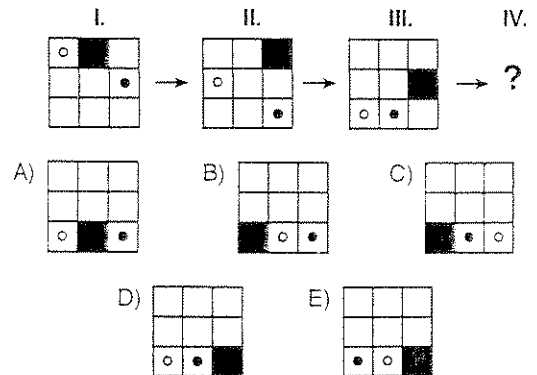
4.

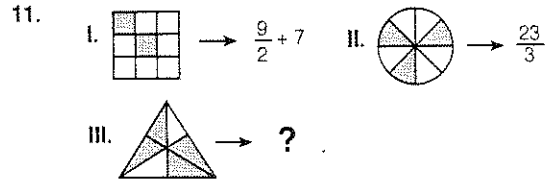
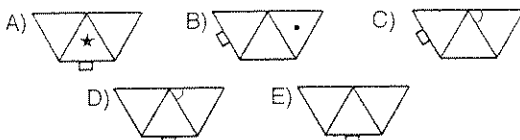
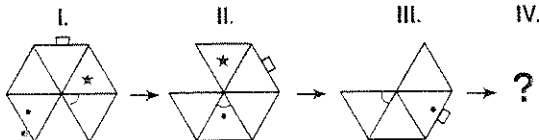
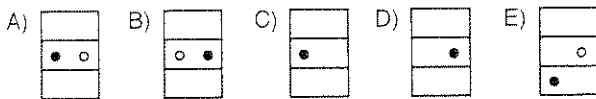
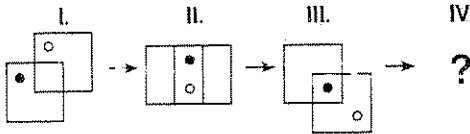
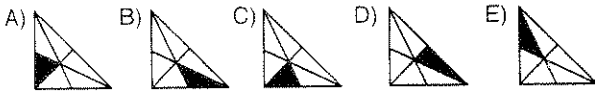
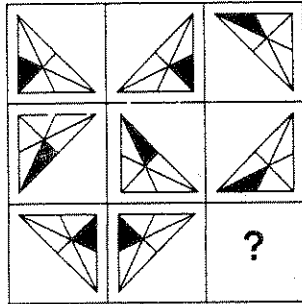
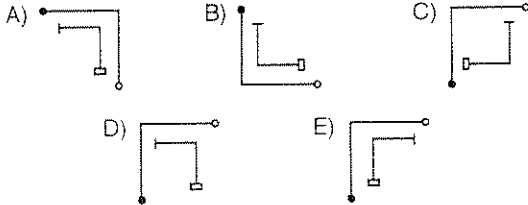
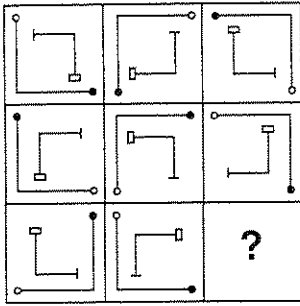


5.

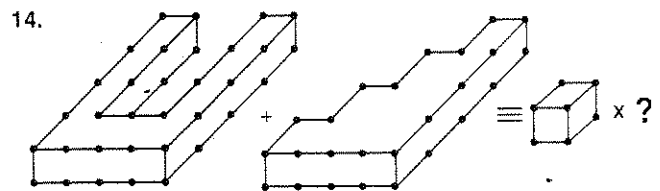
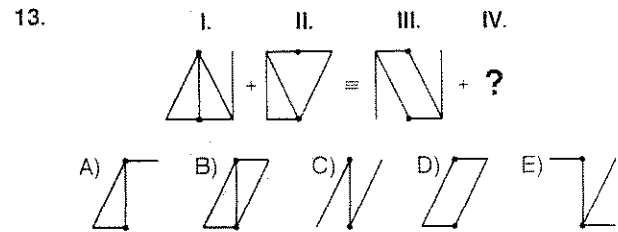
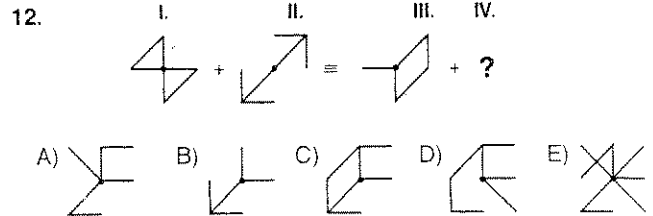


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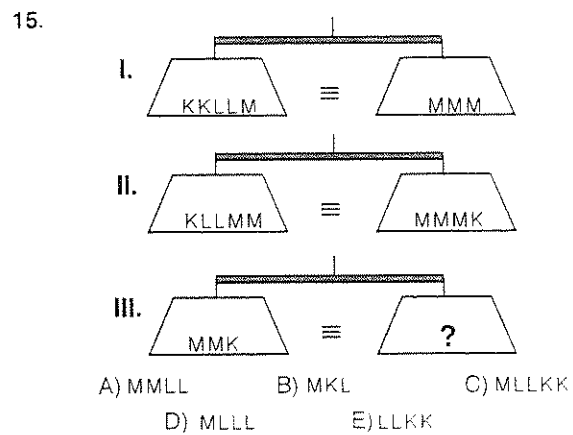




A) $\frac{5}{2}$ B) 3 C) $\frac{7}{2}$ D) 4 E) $\frac{9}{2}$



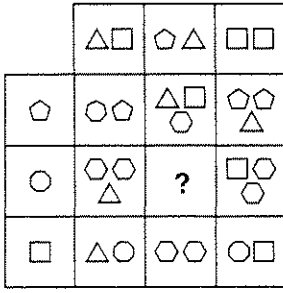
A) 19 B) 20 C) 21 D) 22 E) 23



A) MMLL B) MKL C) MLLKK
D) MLLL E) LLKK

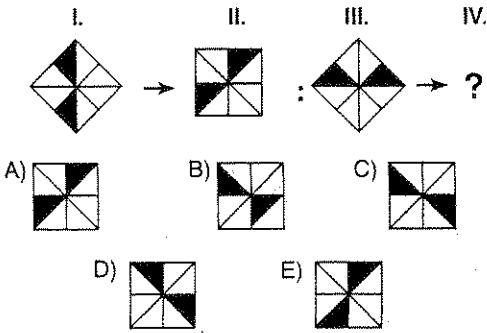
Yanıtlar / Answers				
1. A	4. D	7. D	10. E	13. B
2. B	5. B	8. B	11. C	14. B
3. A	6. E	9. A	12. C	15. D

1.

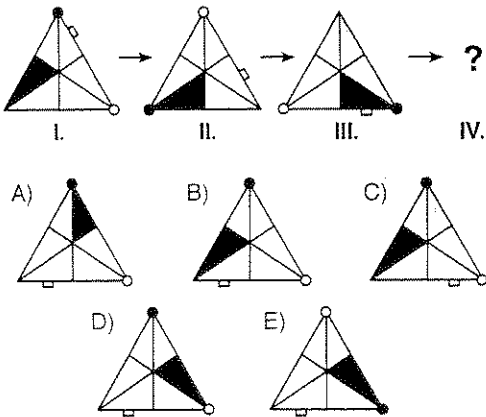


- A) $\square \Delta \square \square$ B) $\square \square \Delta$ C) $\square \square \Delta$
D) $\square \square \square$ E) $\square \square \Delta$

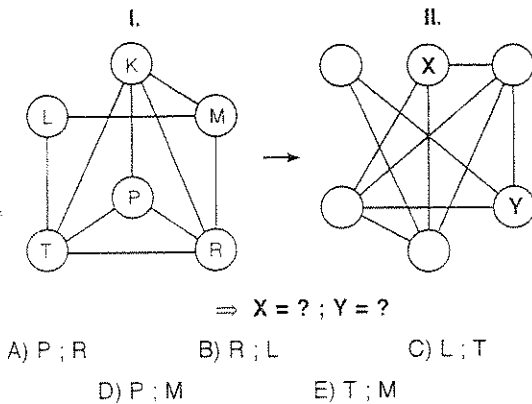
2.



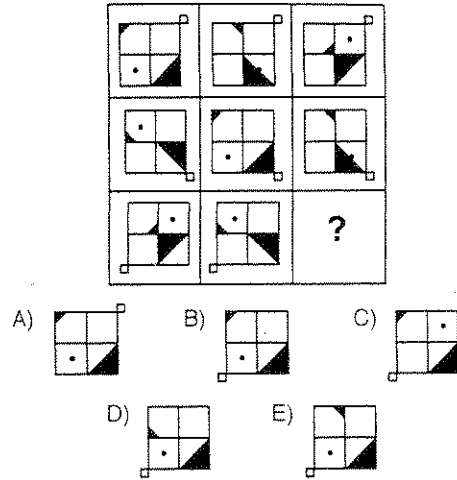
3.



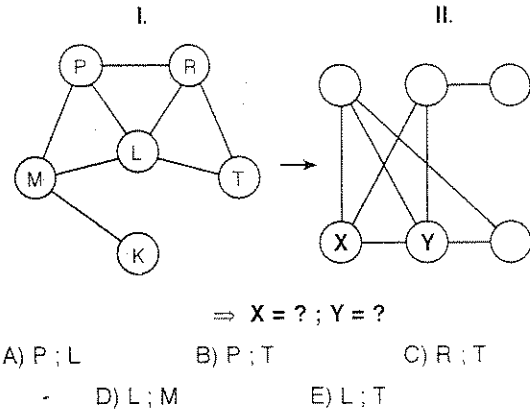
4.



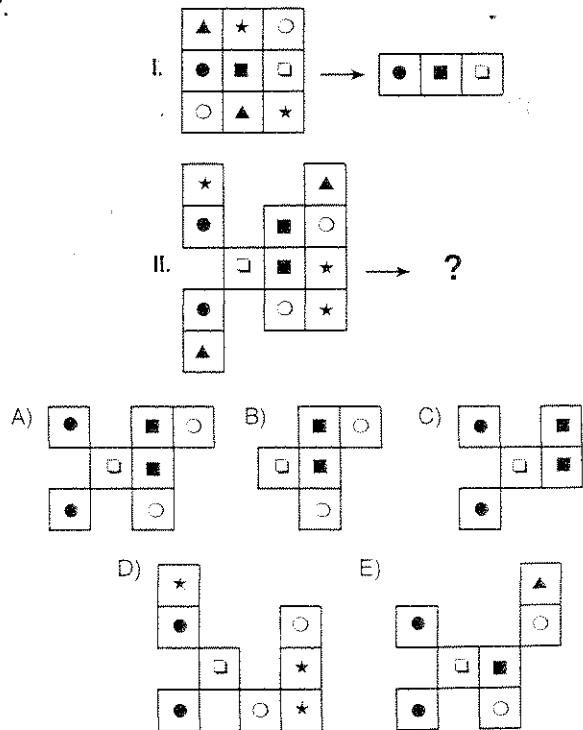
5.



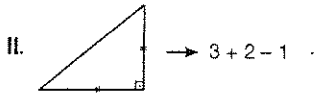
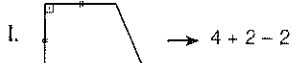
6.



7.

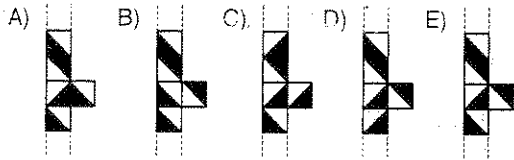
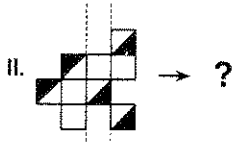
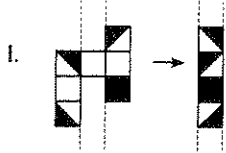


8.

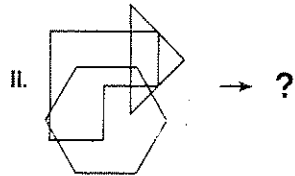
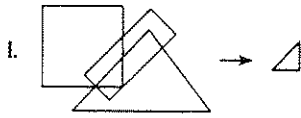


A) 1 B) 2 C) 3 D) 5 E) 6

9.

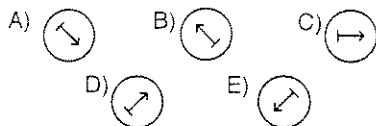
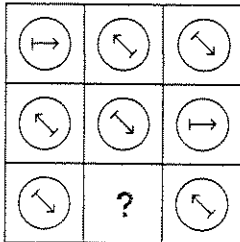


10.

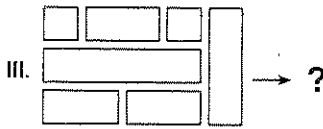
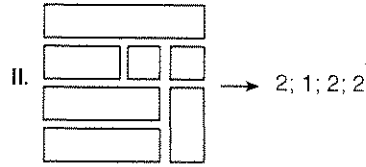
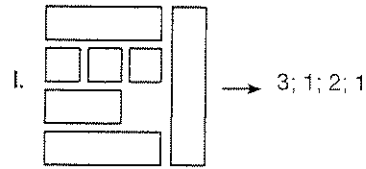


A) B) C) D) E)

11.

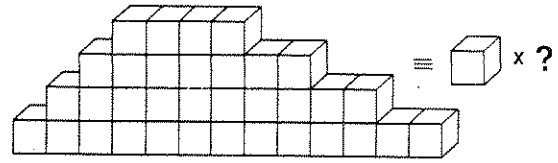


12.



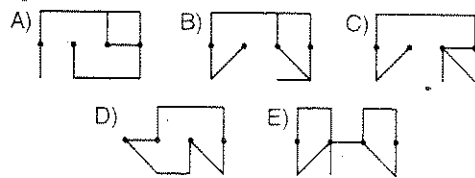
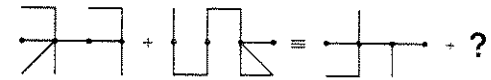
A) 2; 3; 1; 1 B) 2; 1; 3; 1 C) 1; 2; 3; 1
D) 2; 1; 1; 3 E) 1; 3; 1; 2

13.

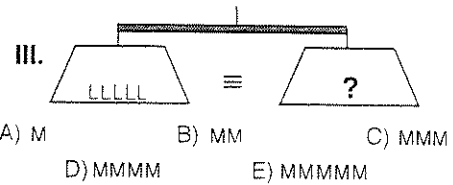


A) 30 B) 32 C) 34 D) 36 E) 38

14.



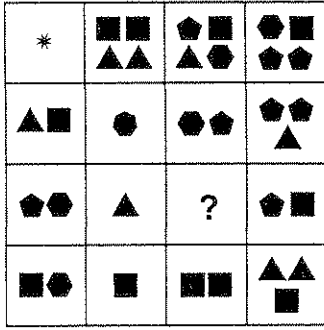
15.



Yanıtlar / Answers

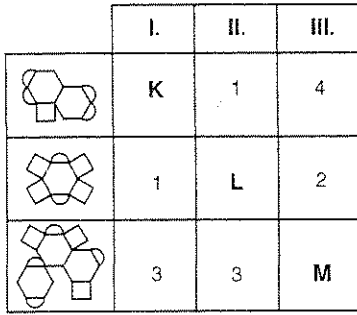
1. D	4. D	7. C	10. A	13. C
2. D	5. B	8. E	11. C	14. B
3. D	6. A	9. E	12. D	15. A

1.



A) B) C) D) E)

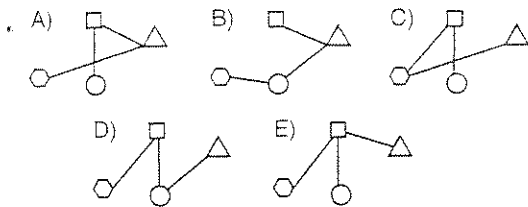
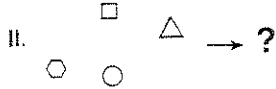
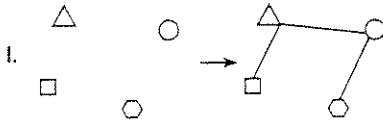
2.



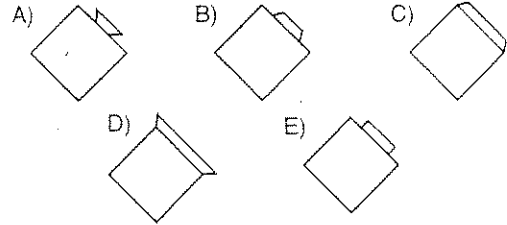
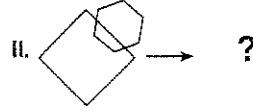
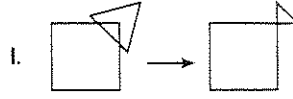
=> K = ? ; L = ? ; M = ?

	K	L	M
A)	2	4	2
B)	4	2	2
C)	4	4	2
D)	2	4	4
E)	4	2	4

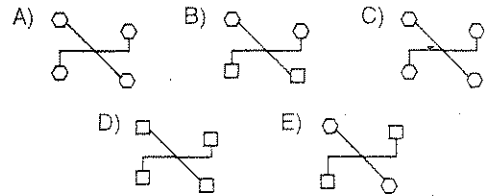
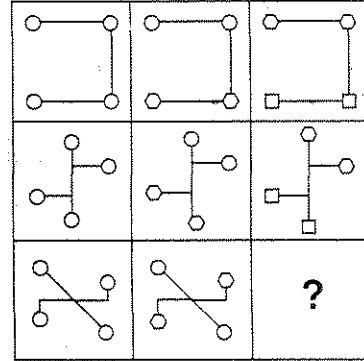
3.



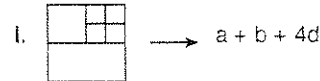
4.



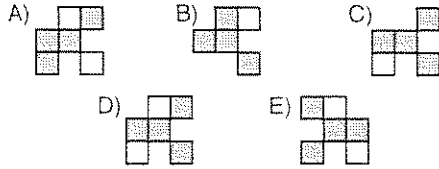
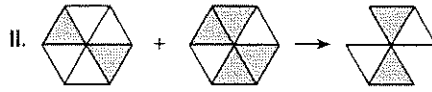
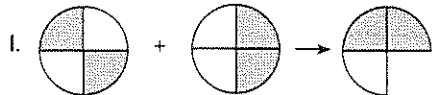
5.



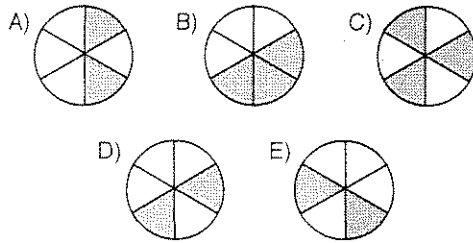
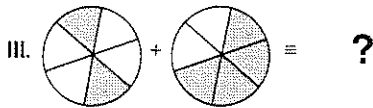
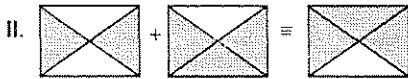
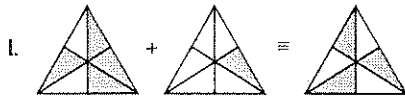
6.

A) $a + 2b + 4c$ B) $a + 2c + 4b$ C) $a + 2c + 4d$ D) $2a + c + 4b$ E) $2a + 4c + d$

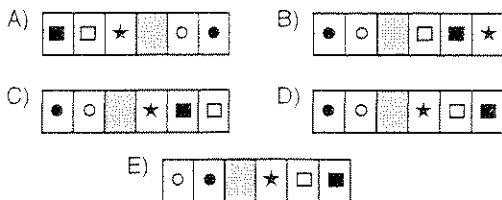
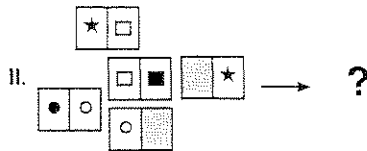
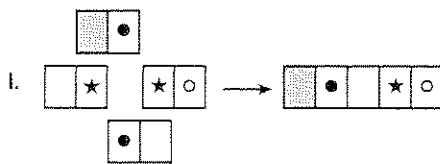
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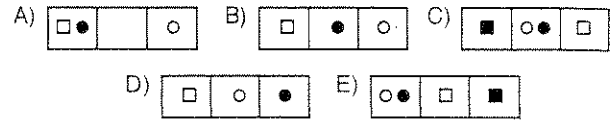
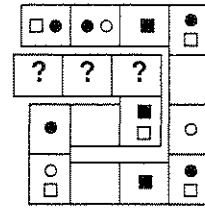
8.



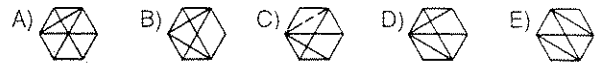
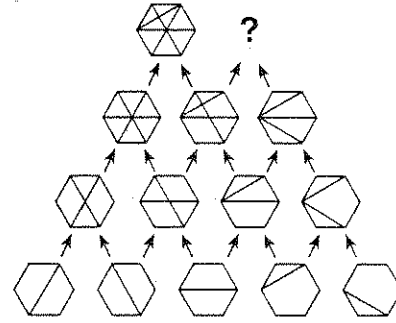
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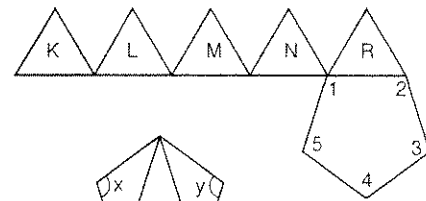
10.



11.



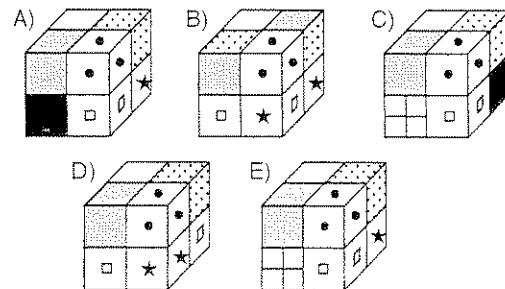
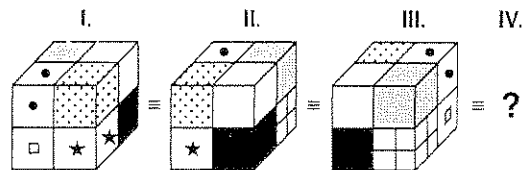
12.



$\Rightarrow x = ? ; y = ?$

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

13.



Yanıtlar / Answers

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

1.

Sonuç
(Result)

▲	■	▲	●	■	▲	●	▲
■	■	●	●	●	●	■	■
▲	●	■	●	●	●	■	●
■	●	■	▲	▲	■	●	?

A) ▲ B) ■ C) ● D) ● E) ●

2.

I. II. III. IV.

A) B) C) D) E)

3.

I. II.

A) B) C) D) E)

4.

I. $\rightarrow a + 2b + c + d$

II. $\rightarrow 2a + 4b + c$

III. $\rightarrow ?$

- A) $2a + 2b + 2c$ B) $2a + 2b + 2c + d$
 C) $2a + 3b + 3c + d$ D) $2a + 3b + 3c$
 E) $2a + 2b + c + d$

5.

		?

A) B) C) D) E)

6.

		?

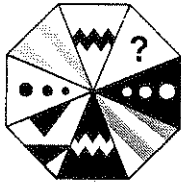
A) B) C) D) E)

7.

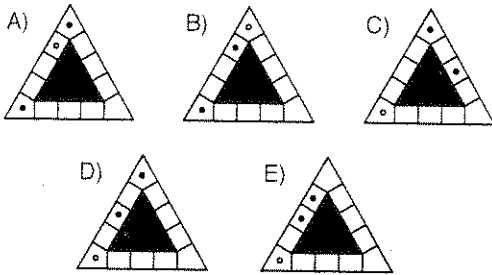
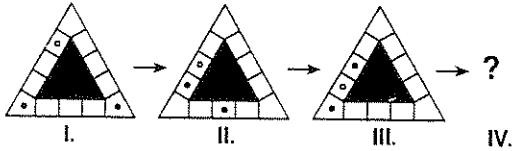
I. II. III. IV.

A) B) C) D) E)

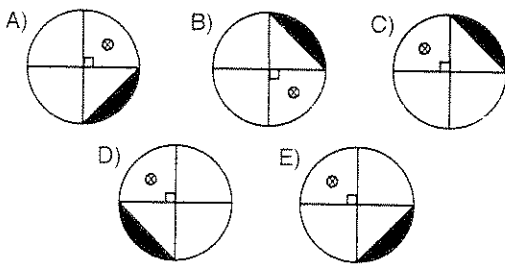
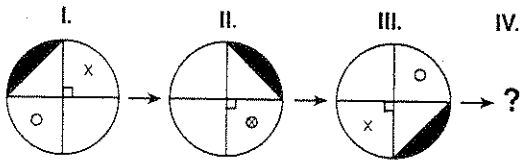
8.



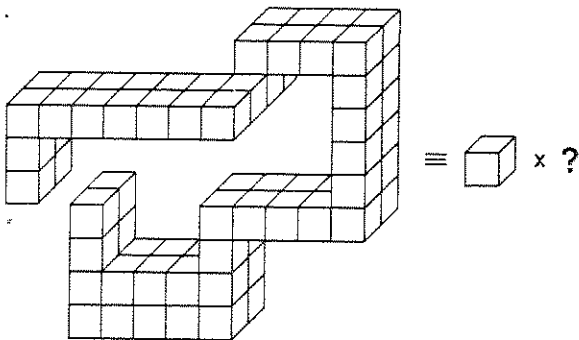
9.



10.

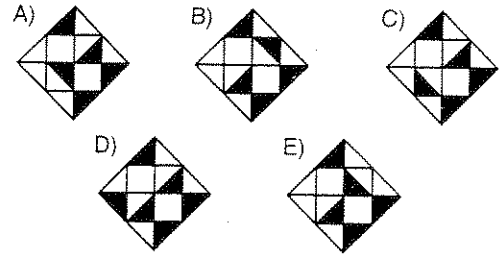
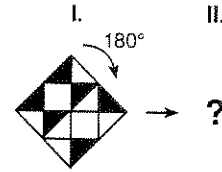


11.

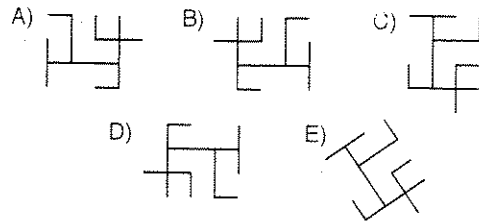
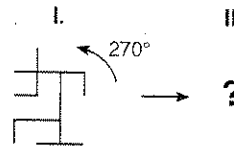


A) 72 B) 74 C) 76 D) 78 E) 80

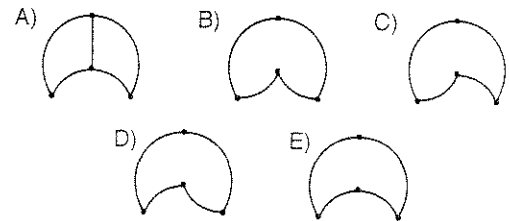
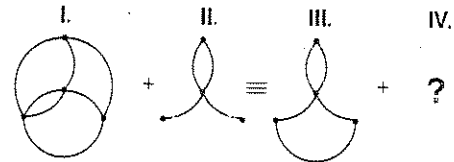
12.



13.



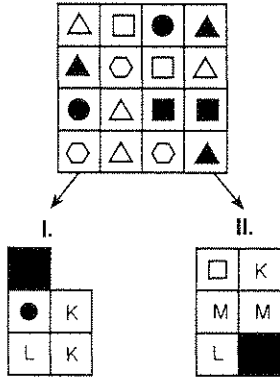
14.



Yanıtlar / Answers

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

1.


 $\Rightarrow K = ? ; L = ? ; M = ?$

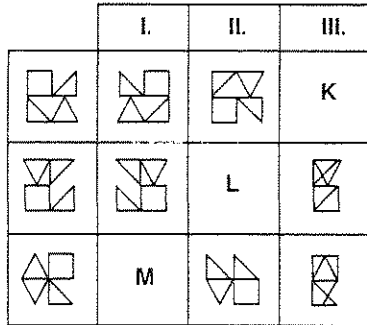
I ve II yukarıdaki tablonun farklı birer parçasıdır. Buna göre, K, L ve M nin yerine aşağıdakilerden hangisi gelmelidir?

I and II are three different parts of the table above.

Which of the following do K, L and M stand for?

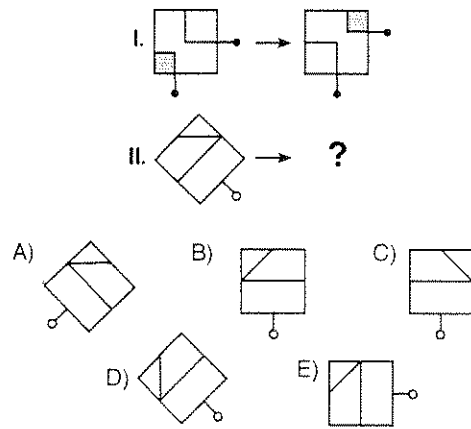
- A) $\triangle$; $\square$; $\bullet$ B) $\square$; $\triangle$; $\blacksquare$ C) $\blacksquare$; $\square$; $\triangle$
 D) $\square$; $\circ$; $\triangle$ E) $\triangle$; $\circ$; $\blacksquare$

2.

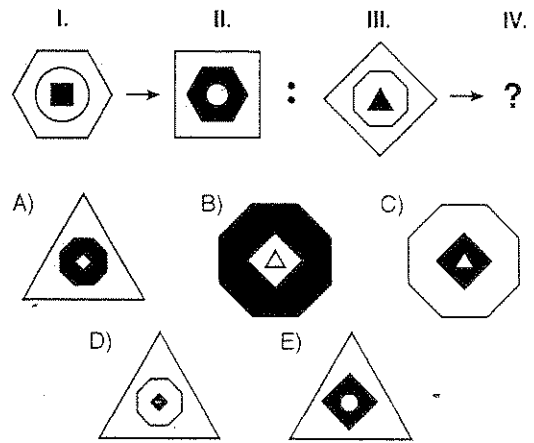


- | | K | L | M |
|----|---|---|---|
| A) | | | |
| B) | | | |
| C) | | | |
| D) | | | |
| E) | | | |

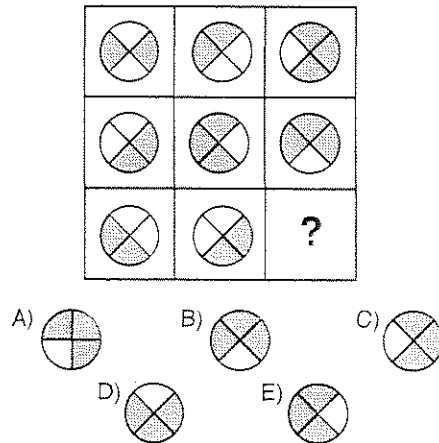
3.



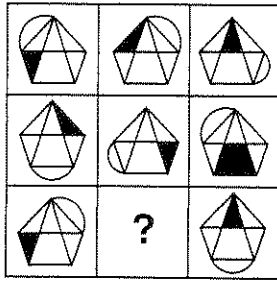
4.



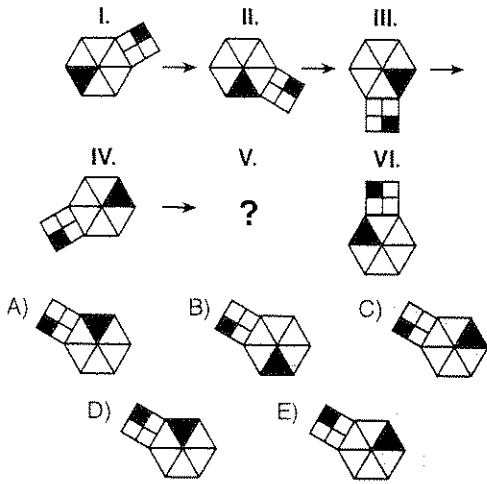
5.



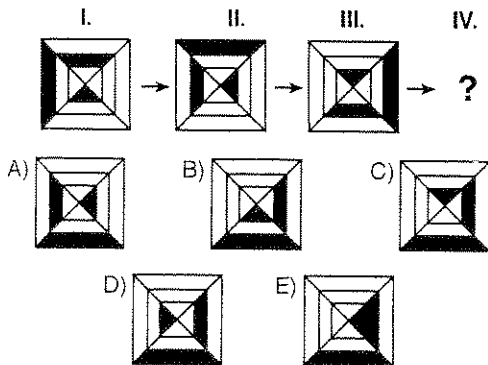
6.



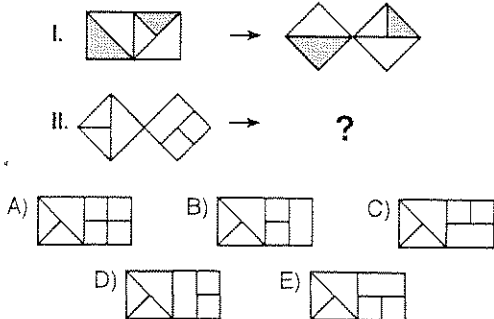
7.



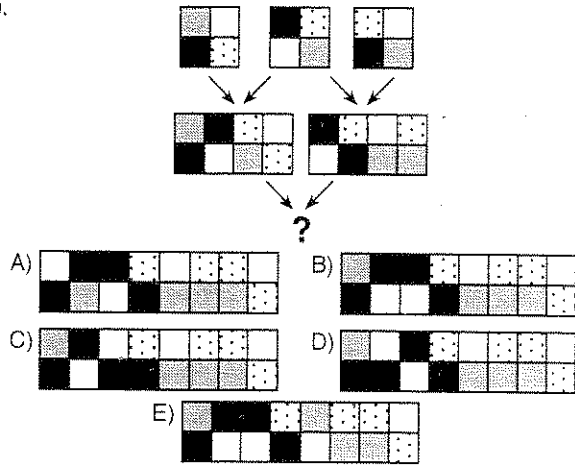
8.



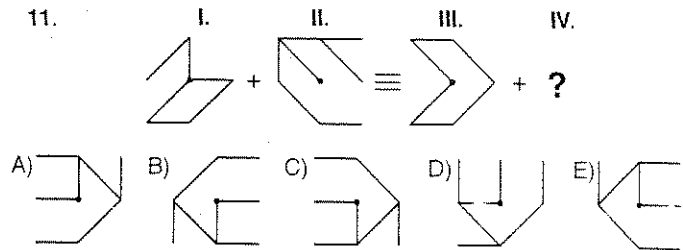
9.



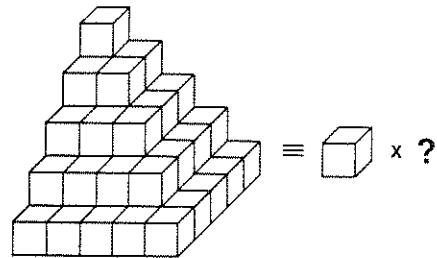
10.



11.

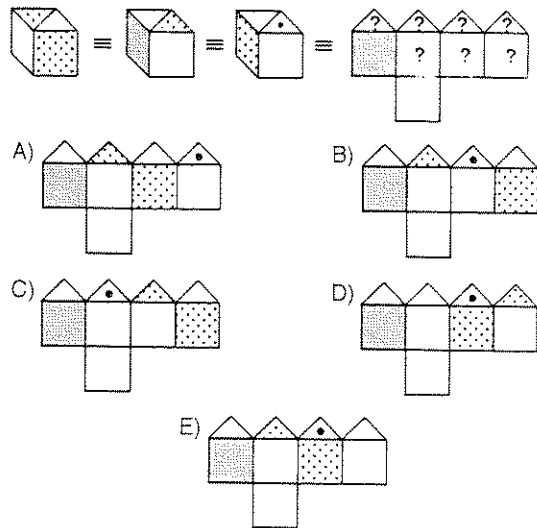


12.



A) 53 B) 54 C) 55 D) 56 E) 57

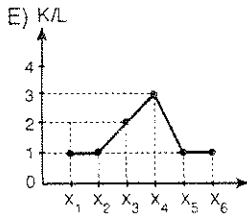
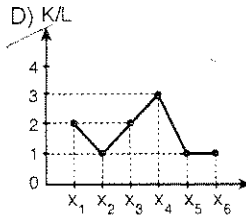
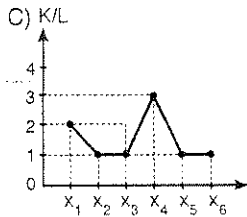
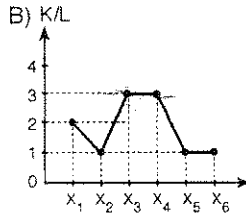
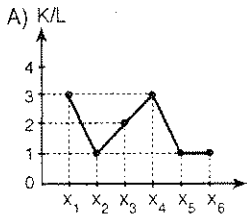
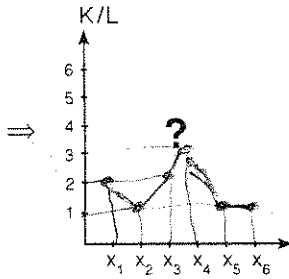
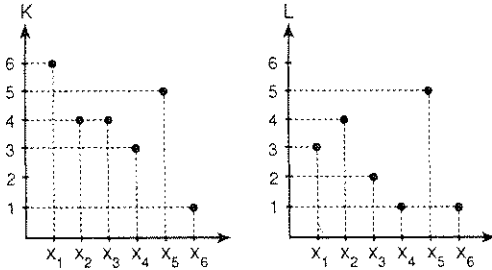
13.



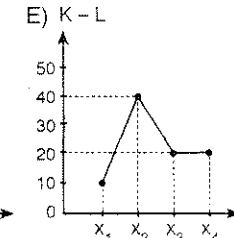
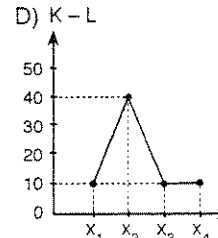
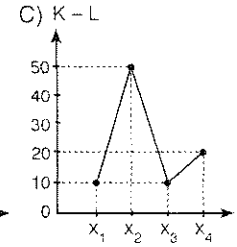
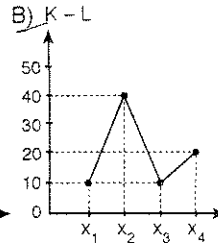
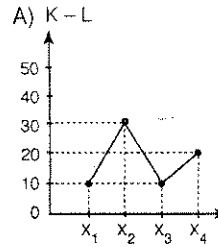
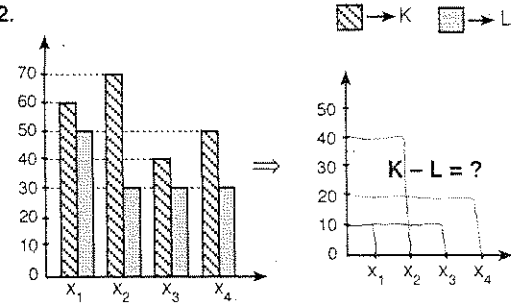
Yanıtlar / Answers

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

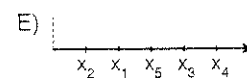
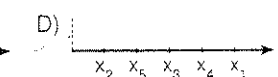
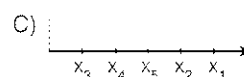
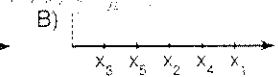
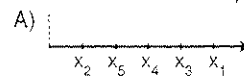
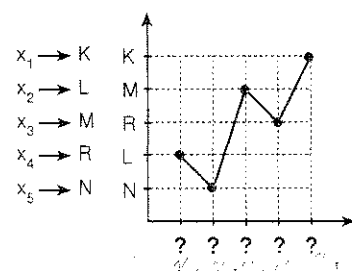
1.



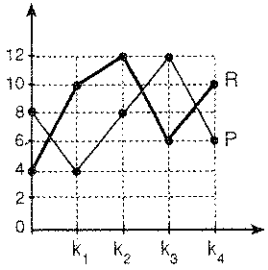
2.



3.



4.

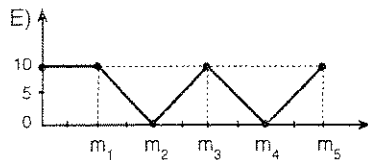
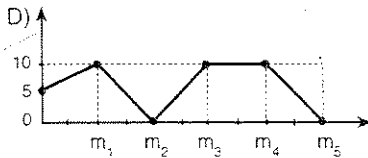
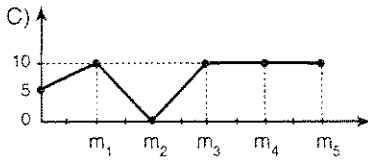
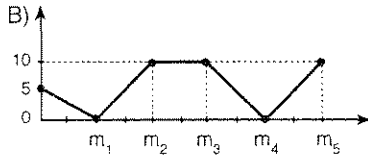
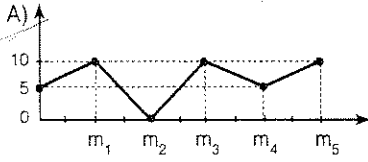
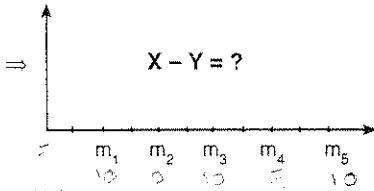
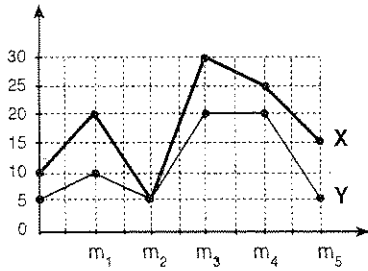


$k_1 \rightarrow P - R = x$
 $k_3 \rightarrow P - R = y$
 $\Rightarrow x + y = ?$
 $-5 + 5 = 0$

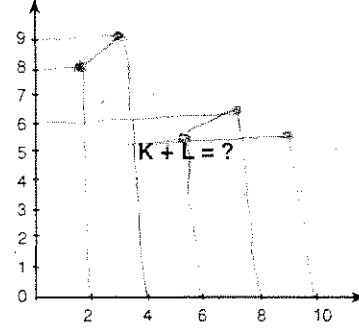
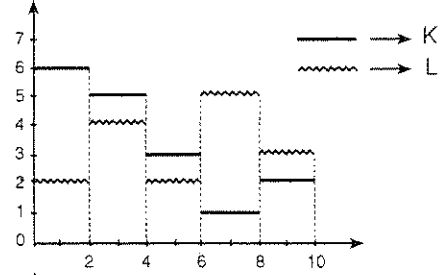
A)
-4
B)
-2

C) 0 D) 2 E) 4

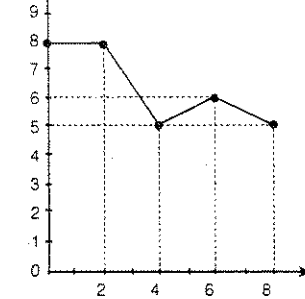
5.



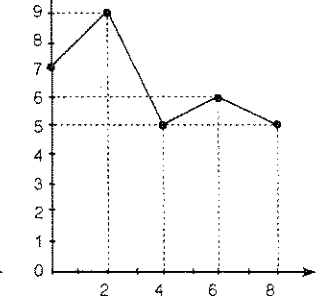
6.



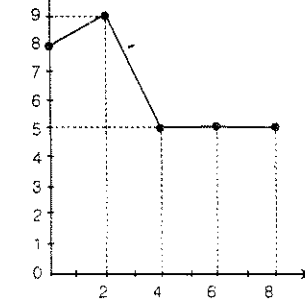
A)



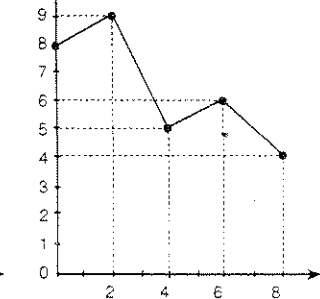
B)



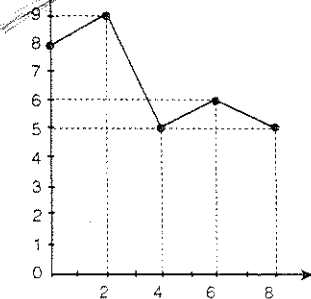
C)



D)



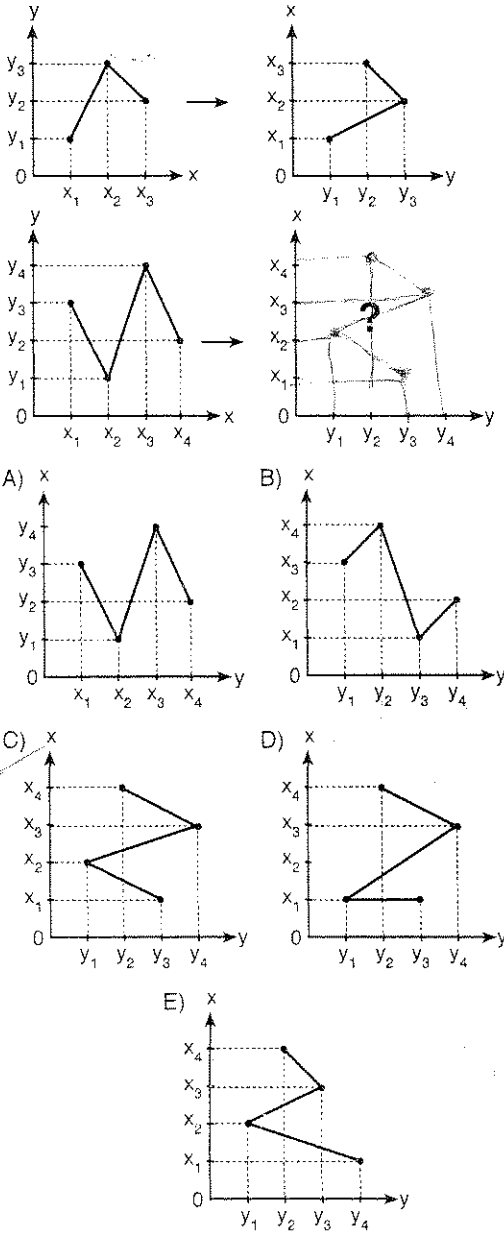
E)



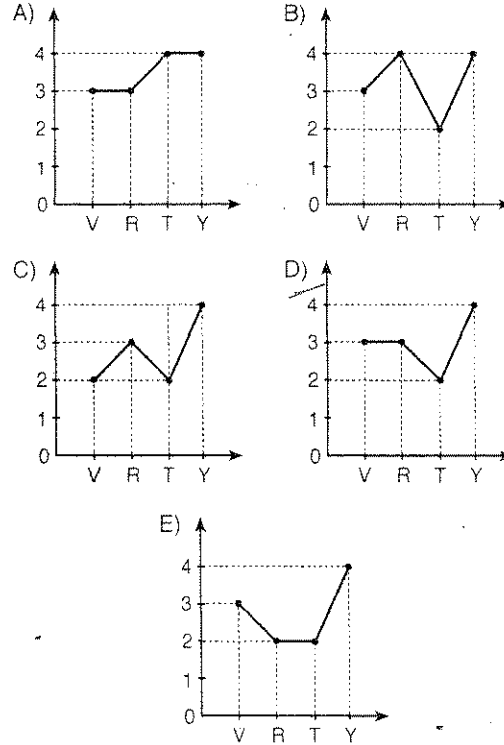
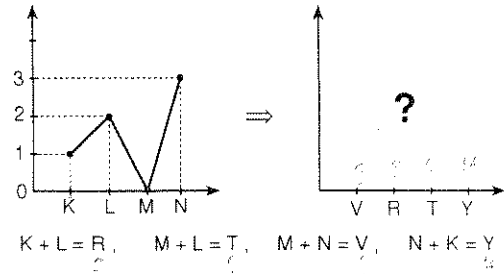
Yanıtlar / Answers

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

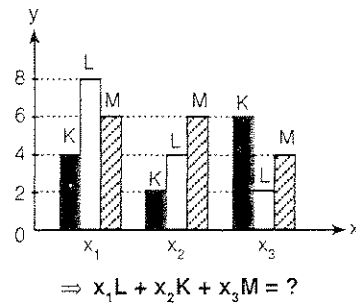
1.



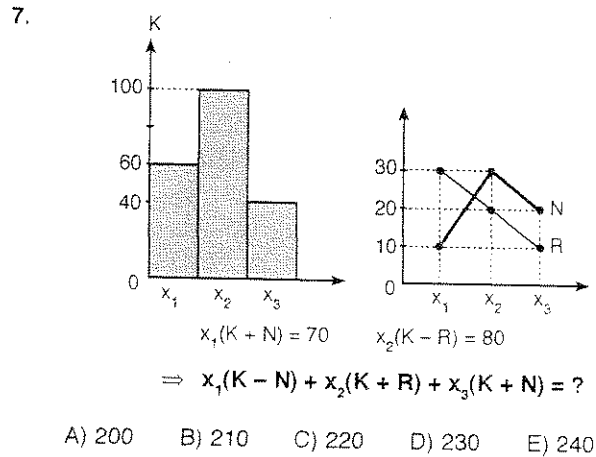
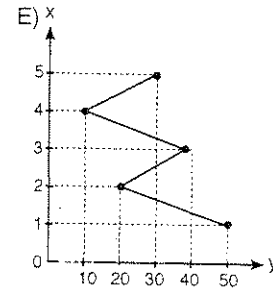
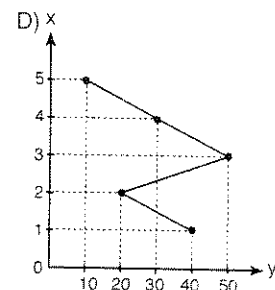
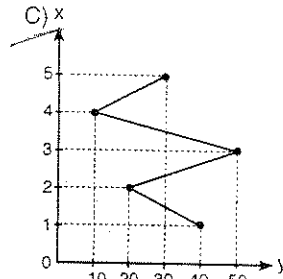
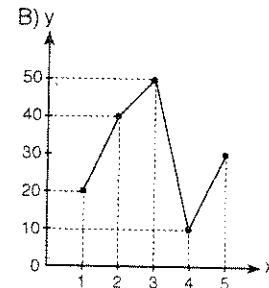
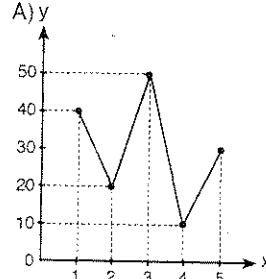
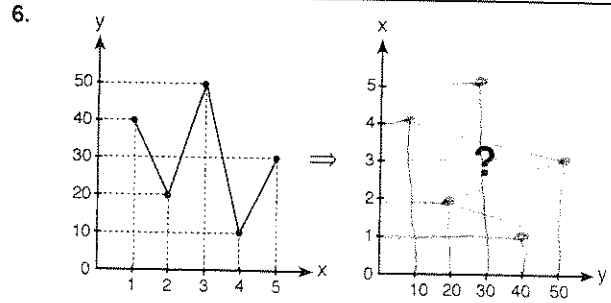
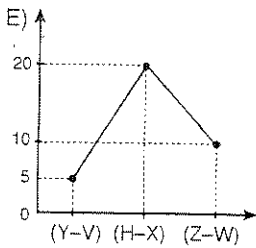
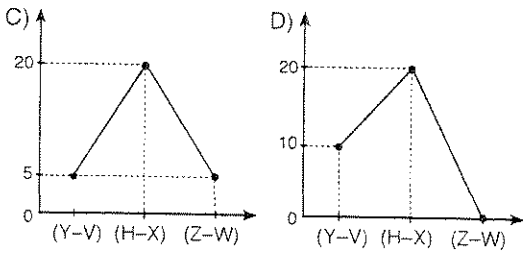
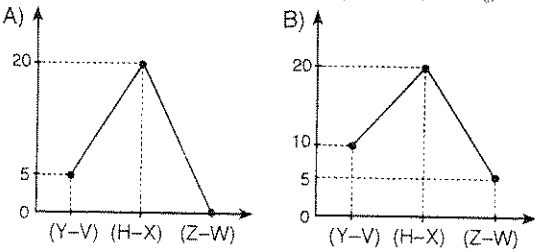
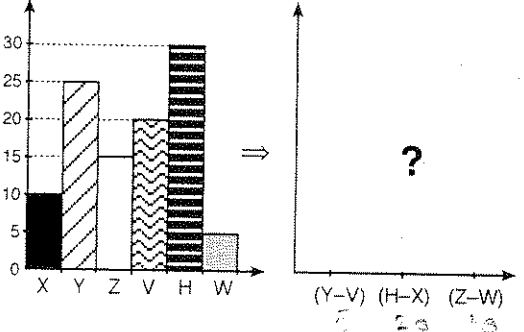
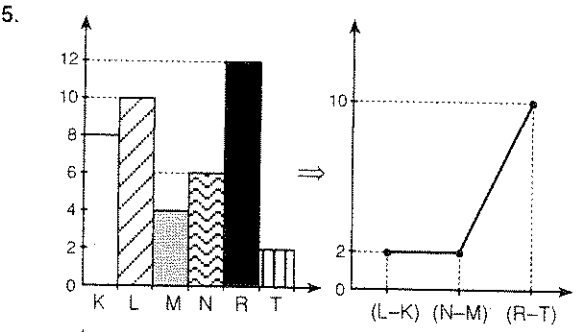
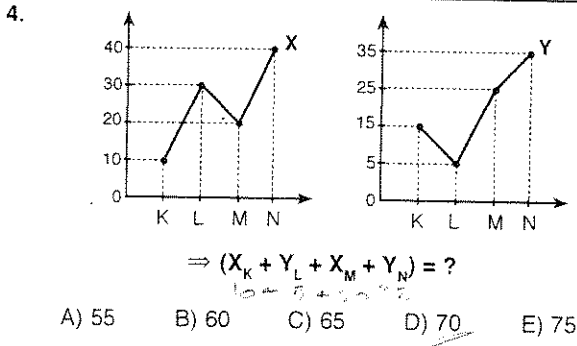
2.



3.



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

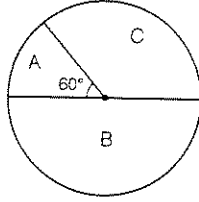


Yanıtlar / Answers

1. C 2. D 3. C 4. D 5. E 6. C 7. D

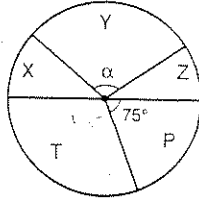
1. $C = 2 \cdot A$
 $\Rightarrow A ? B ? C$

A. 100



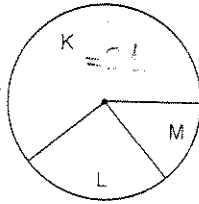
- A) $A < B < C$ B) $A < C < B$ C) $C < A < B$
 D) $B > A > C$ E) $A = C < B$

2. $T + P = x + y + z = 180^\circ$
 $x + z = P \Rightarrow \alpha = ?$



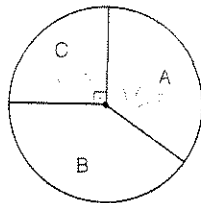
- A) 65 B) 75 C) 85 D) 95 E) 105

3. $K = 3L = 6M \Rightarrow$
 $\frac{K}{6} + \frac{L}{4} + \frac{M}{2} = ?$



- A) 50 B) 60 C) 70 D) 80 E) 90

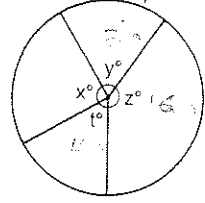
4. $A + C = 210^\circ$
 $B - A = x^\circ$
 $\Rightarrow x^\circ = ?$



- A) 10 B) 20 C) 30 D) 40 E) 50

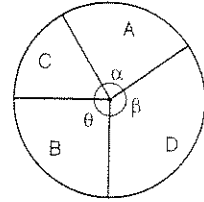
5. $t = 40^\circ$,
 $z + t = 200^\circ$,
 $y + z = 210^\circ$
 $\Rightarrow x = ?$

z = 160, y = 50



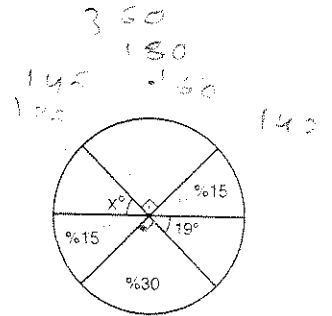
- A) 150 B) 130 C) 110 D) 90 E) 70

6. $A + B = C$
 $A = B$,
 $\alpha + \theta = 120^\circ$
 $\Rightarrow \beta = ?$



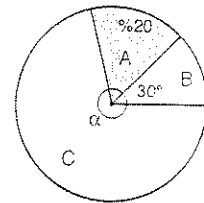
- A) 200 B) 180 C) 160 D) 140 E) 120

7. $\Rightarrow x^\circ = ?$



- A) 25 B) 30 C) 35 D) 40 E) 45

8. $\Rightarrow \alpha = ?$



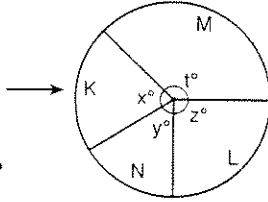
- A) 252 B) 254 C) 258 D) 260 E) 262

9.

K	L	M	N
%15	%25	%40	%20

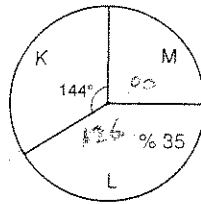
$$\Rightarrow 2x^\circ + y^\circ - z^\circ = ?$$

- A) 70° B) 80° C) 90° D) 100° E) 110°

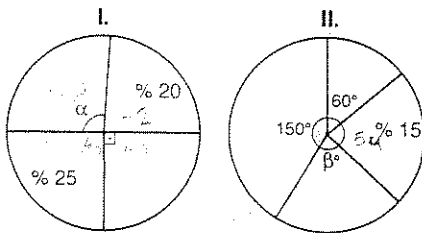
10. $K + L + M = 1440$

$$\Rightarrow L - M = ?$$

- A) 142 B) 144 C) 146 D) 148 E) 150



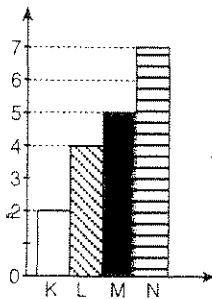
11.



$$\Rightarrow \alpha + \beta = ?$$

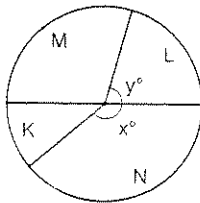
- A) 198° B) 200° C) 202° D) 204° E) 206°

12.

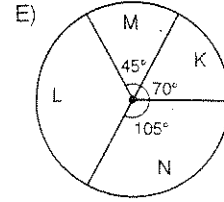
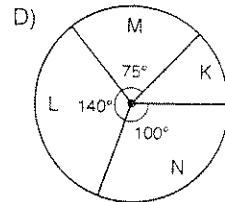
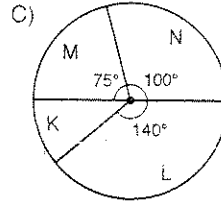
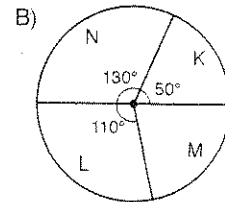
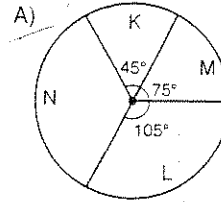
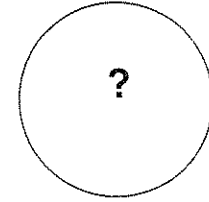
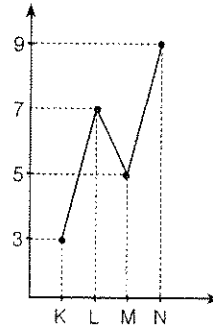


$$\Rightarrow x^\circ - y^\circ = ?$$

- A) 20 B) 40 C) 60 D) 80 E) 100

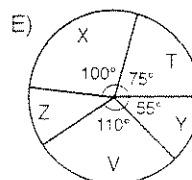
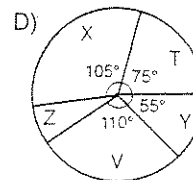
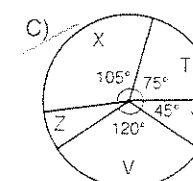
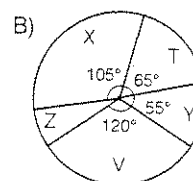
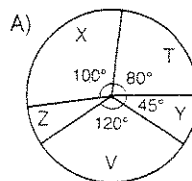
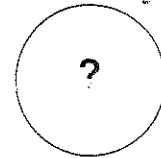


13.



14.

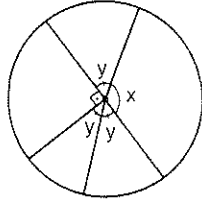
X	Y	Z	T	V
7	3	1	5	8



Yanıtlar / Answers

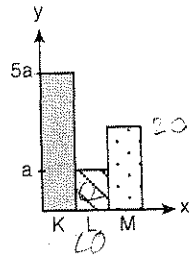
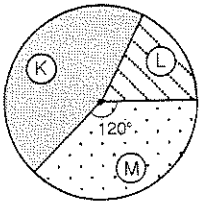
1. B	4. C	7. C	10. B	13. A
2. E	5. C	8. C	11. D	14. C
3. D	6. E	9. C	12. C	

1. $x = 2y \Rightarrow x^\circ = ?$



- A) 84 B) 90 C) 108 D) 124 E) 132

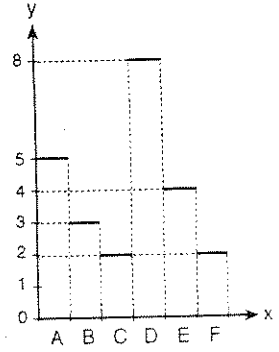
2.



$\Rightarrow a = ?$

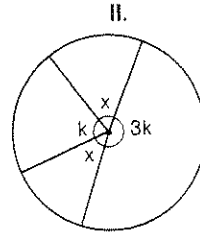
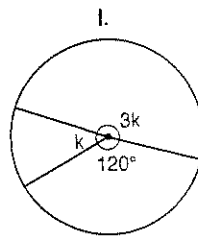
- A) 30° B) 40° C) 50° D) 60° E) 70°

4. $A+B+C+D+E+F = 288^\circ$
 $\Rightarrow C = ?$



- A) 18 B) 20 C) 24 D) 26 E) 28

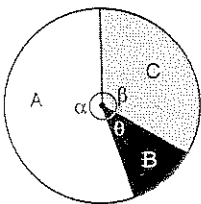
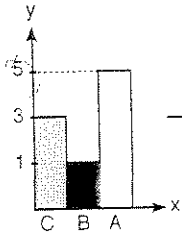
5.



$\Rightarrow x = ?$

- A) $k/2$ B) k C) $2k$ D) $3k$ E) $4k$

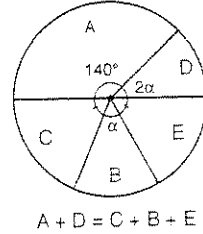
3.



$\Rightarrow \alpha - (\beta + \theta) = ?$

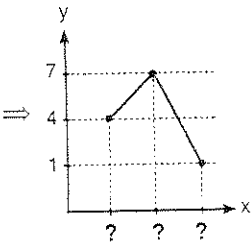
- A) 10 B) 20 C) 30 D) 40 E) 50

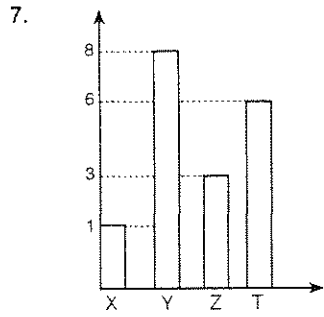
6.



$A+D=C+B+E$

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

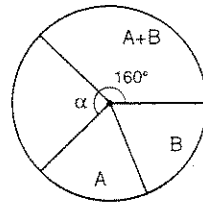




$$\Rightarrow \frac{d^\circ - a^\circ}{b^\circ - c^\circ} = ?$$

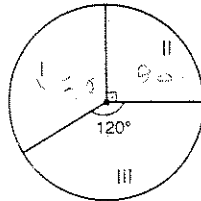
- A) 1 B) 2 C) 7/2 D) 8/3 E) 4

8. $\Rightarrow \alpha = ?$



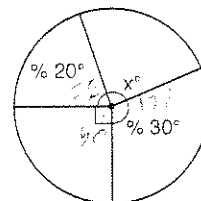
- A) 30 B) 35 C) 40 D) 45 E) 50

9. $I + II + III = 696$
 $\Rightarrow I = ?$



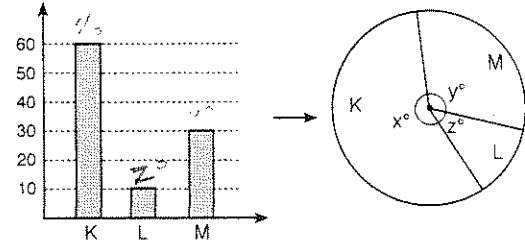
- A) 288 B) 290 C) 292 D) 294 E) 296

10. $\Rightarrow x = ?$



- A) 36 B) 72 C) 90 D) 108 E) 126

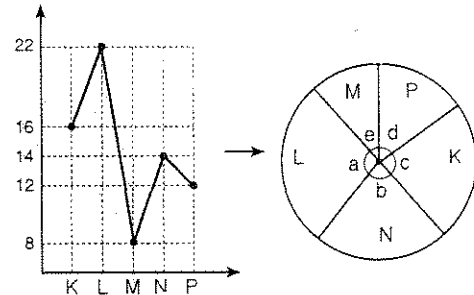
11.



$$\Rightarrow x^\circ = ? ; y^\circ = ? ; z^\circ = ?$$

x°	y°	z°
A) 150	30	180
B) 144	36	180
C) 216	108	36
D) 36	216	108
E) 216	144	36

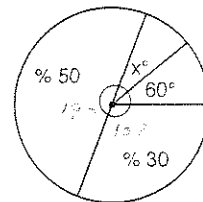
12.



$$\Rightarrow a^\circ = ? ; b^\circ = ? ; c^\circ = ? ; d^\circ = ? ; e^\circ = ?$$

a°	b°	c°	d°	e°
A) 110	70	80	60	40
B) 70	80	110	40	60
C) 60	40	110	80	70
D) 70	110	60	80	70
E) 110	70	80	60	90

13. $\Rightarrow x = ?$

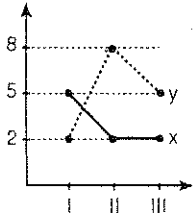


- A) 8 B) 12 C) 16 D) 18 E) 24

Yanıtlar / Answers

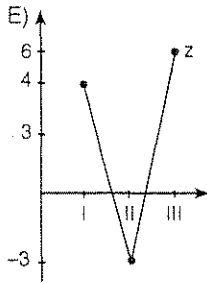
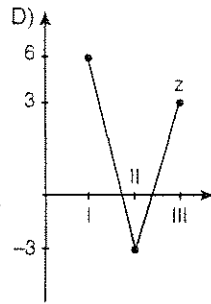
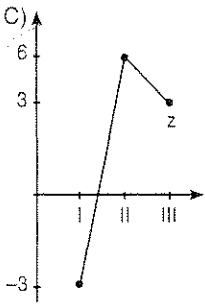
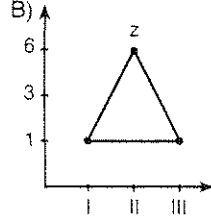
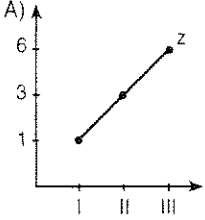
1. C	4. C	7. A	10. C	13. B
2. B	5. B	8. C	11. C	
3. D	6. D	9. B	12. A	

1.

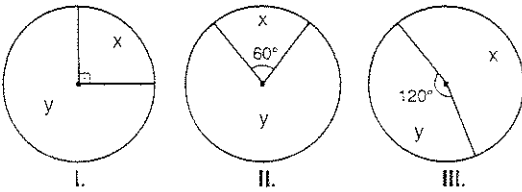


$$z = y - x \Rightarrow z = ?$$

1 5 8 = 6

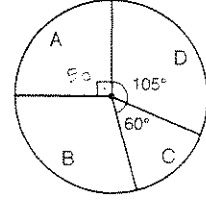


2.



$$z = \frac{x}{y} \Rightarrow z_I + z_{II} + z_{III} = ?$$

- A) $\frac{9}{5}$ B) 2 C) $\frac{34}{15}$ D) $\frac{38}{15}$ E) $\frac{14}{5}$

3. $\Rightarrow A : B : C : D = ?$ *5 7 4 6*

A) 5 : 7 : 4 : 5

C) 7 : 6 : 3 : 7

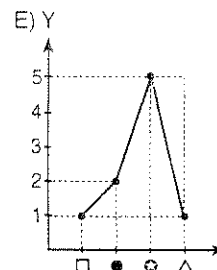
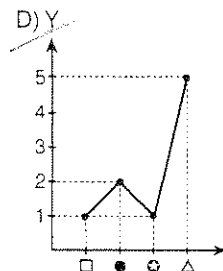
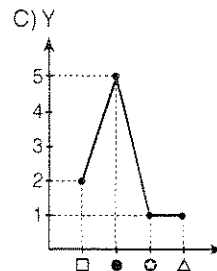
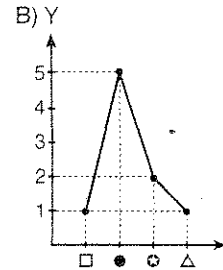
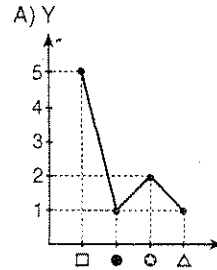
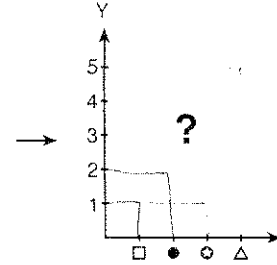
E) 4 : 5 : 3 : 4

B) 6 : 7 : 4 : 7

D) 6 : 7 : 4 : 6

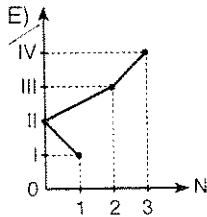
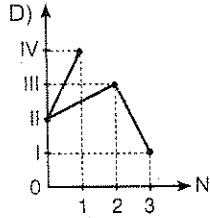
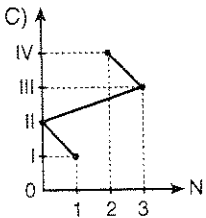
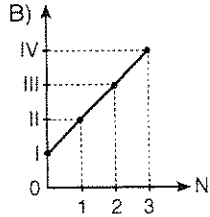
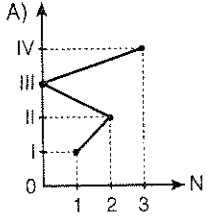
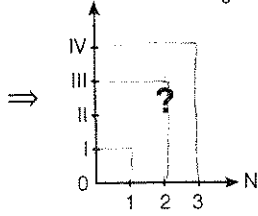
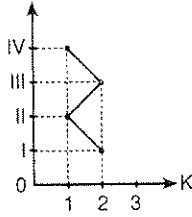
4.

	X	Y	Z	K
Δ	2	5	3	4
□	4	1	3	2
●	1	2	5	3
⊙	1	1	3	5

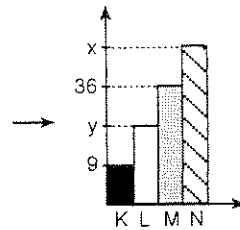
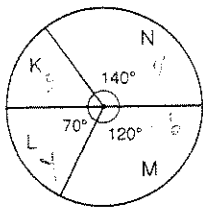


5.

I	K	K	N	M	M
II	K	L	M	M	L
III	N	K	N	M	K
IV	N	K	N	N	M



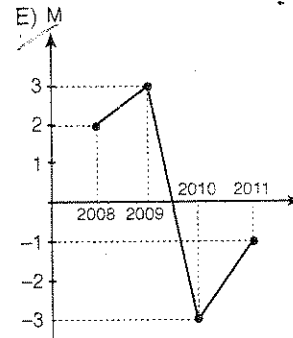
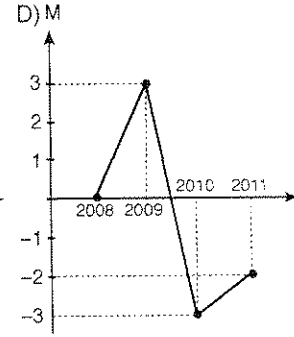
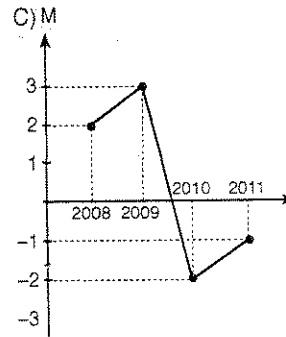
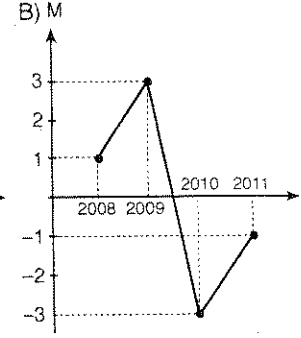
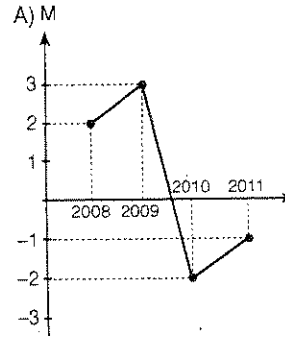
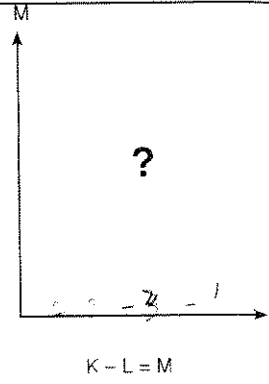
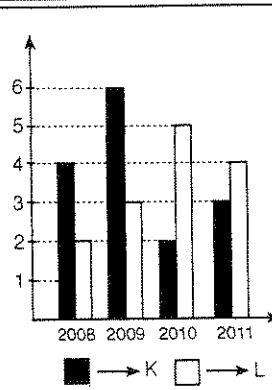
6.



$$\Rightarrow x - y = ?$$

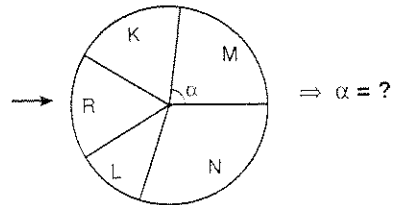
- A) 20 B) 21 C) 22 D) 23 E) 24

7.



8.

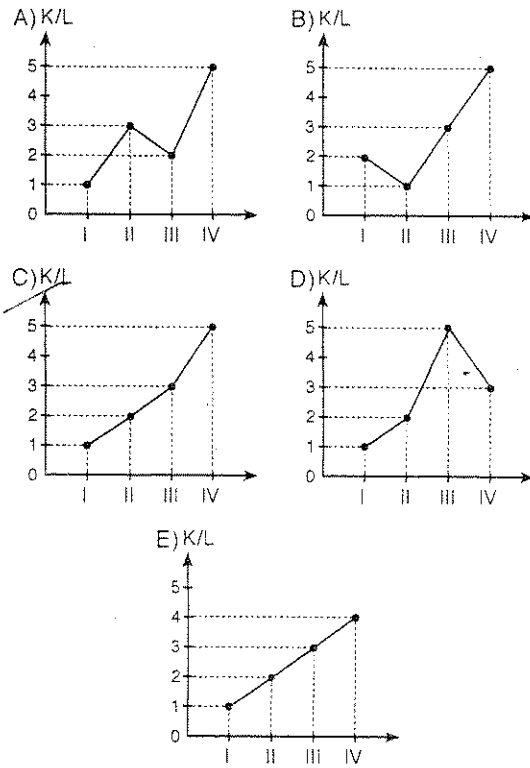
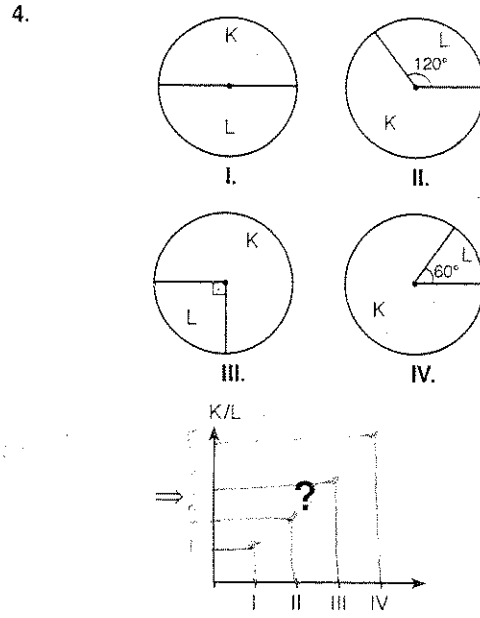
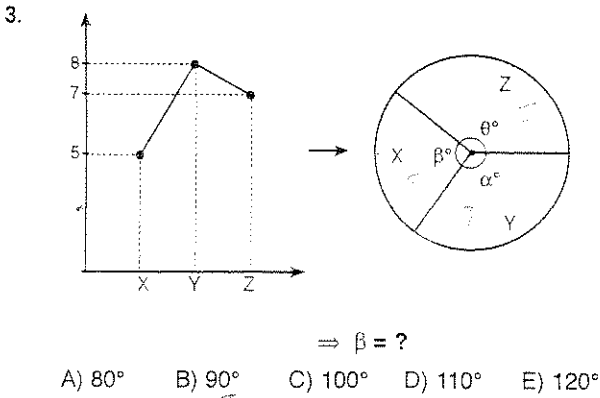
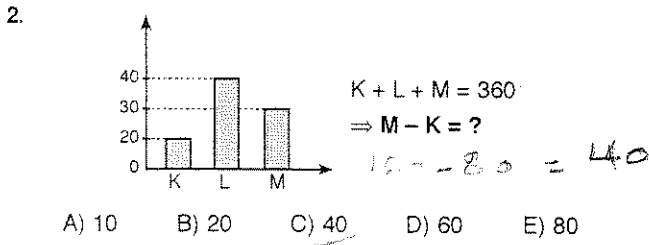
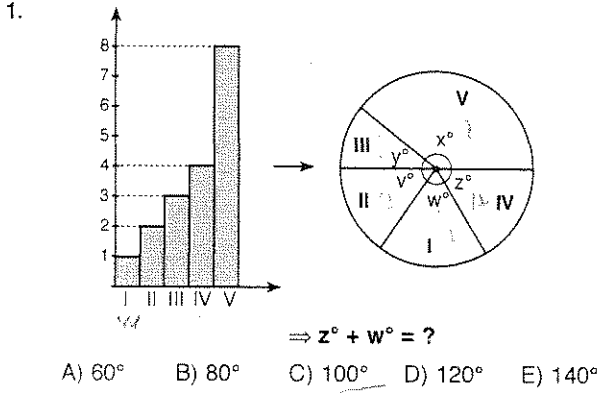
K	21
L	15
M	24
N	36
R	12



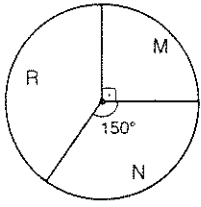
- A) 40 B) 50 C) 70 D) 80 E) 120

Yanıtlar / Answers

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



5.

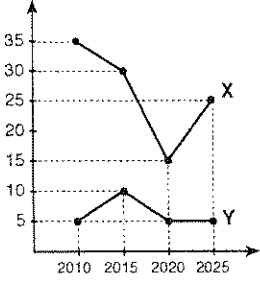


$$M + N + R = 156$$

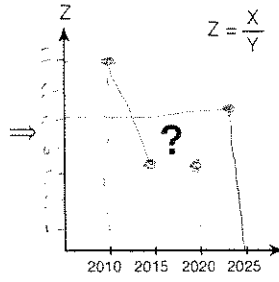
$$\Rightarrow R = ?$$

- A) 26 B) 39 C) 52 D) 65 E) 78

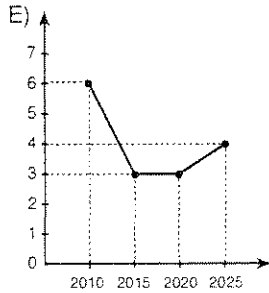
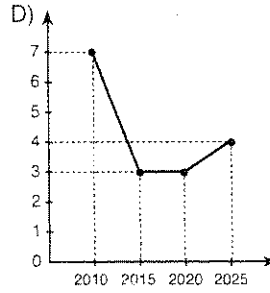
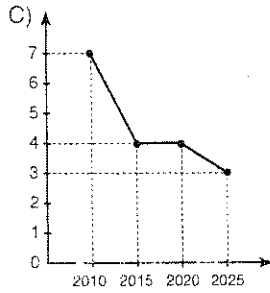
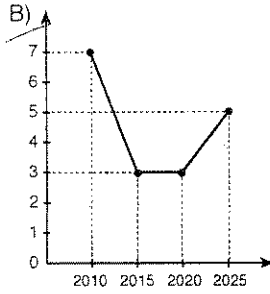
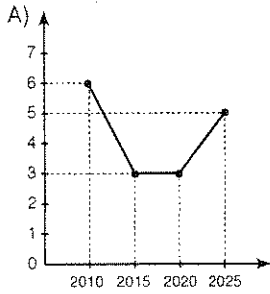
6.



I.

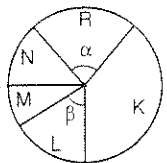


II.



7.

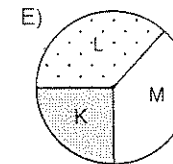
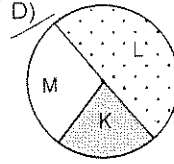
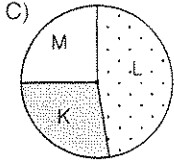
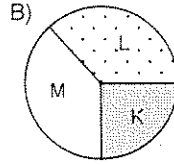
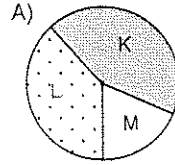
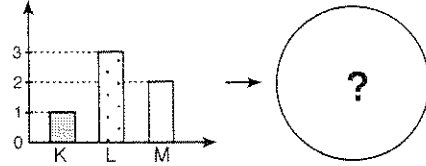
K	L	M	N	R
80	40	10	20	30



$$\Rightarrow \alpha + \beta = ?$$

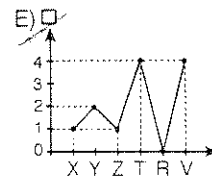
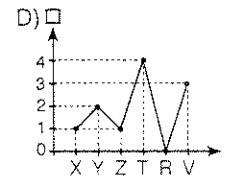
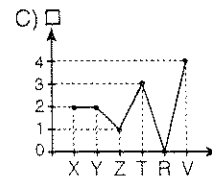
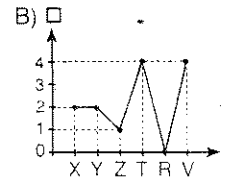
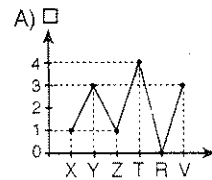
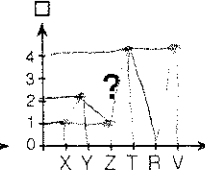
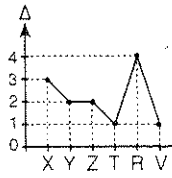
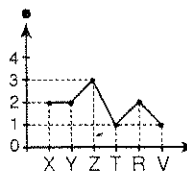
- A) 80 B) 100 C) 120 D) 140 E) 160

8.



9.

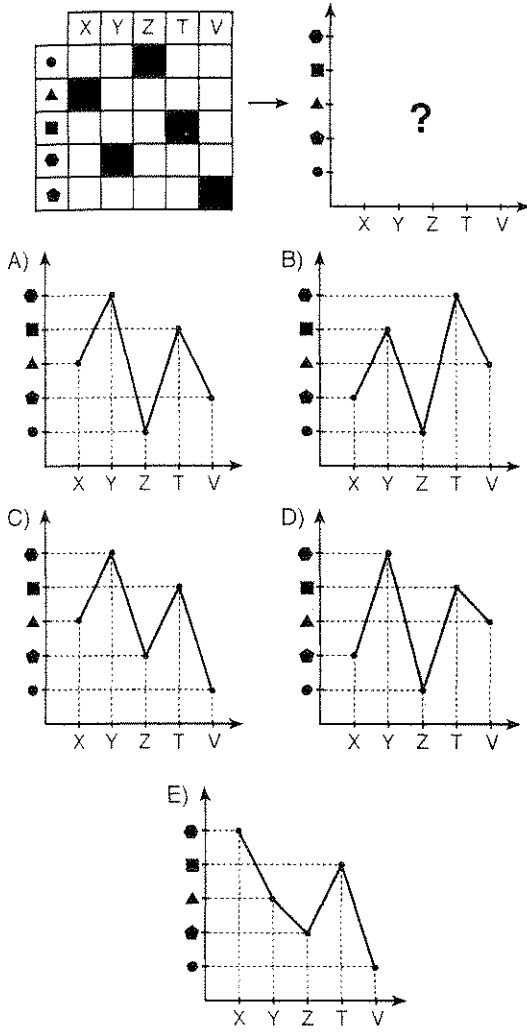
X	Y	Z	T	R	V
Δ	•	•	□	•	□
Δ	Δ	Δ	•	Δ	□
•	□	•	□	•	Δ
Δ	□	•	□	Δ	□
□	•	Δ	Δ	Δ	□
•	Δ	□	□	Δ	•



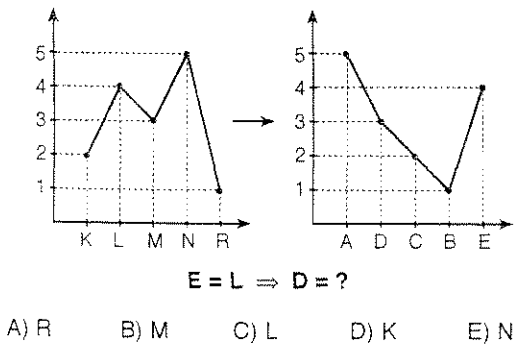
Yanıtlar / Answers

- | | | | | |
|------|------|------|------|------|
| 1. C | 3. B | 5. C | 7. D | 9. E |
| 2. C | 4. C | 6. B | 8. D | |

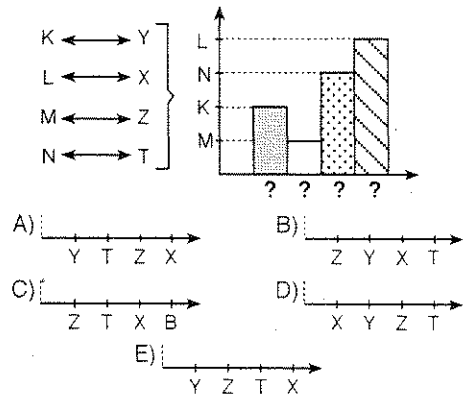
1.



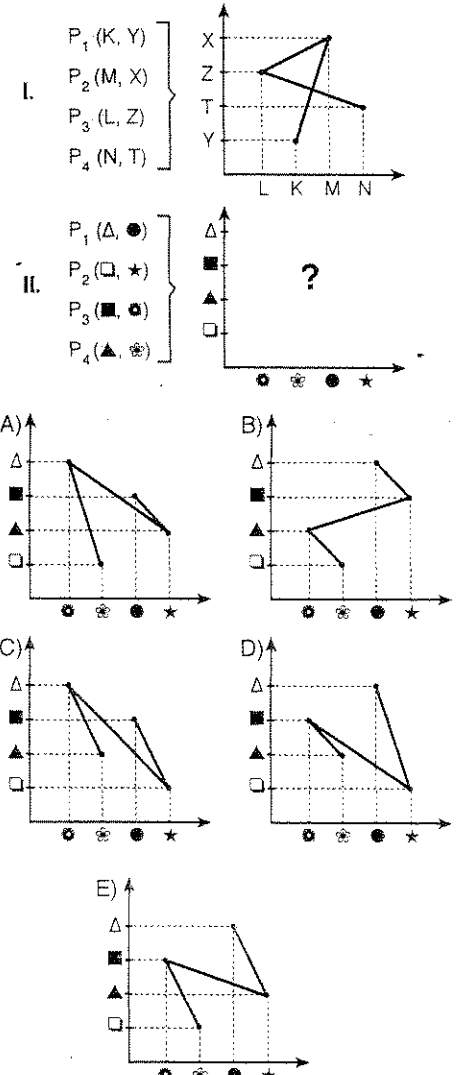
2.



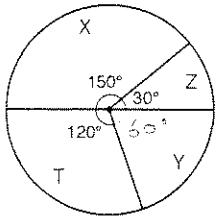
3.



4.



5.



$$X:Y:Z:T \Rightarrow ?$$

$$\frac{150}{60} : \frac{60}{60} : \frac{30}{60} : \frac{120}{60}$$

3 : 1 : 4

B) 4 : 2 : 1 : 3

A) 5 :

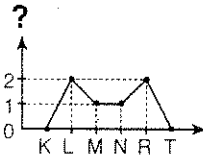
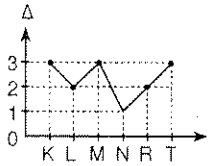
C) 5 : 2 : 1 : 4

D) 4 : 3 : 2 : 1

E) 3 : 1 : 2 : 4

6.

K	L	M	N	R	T
△	□	□	●	△	△
○	●	△	□	△	○
★	△	★	★	□	○
△	□	△	★	■	○
■	★	△	△	★	△
△	△	★	○	□	△



A) ■

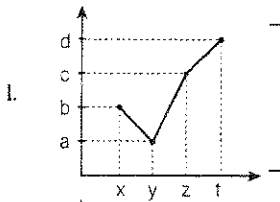
B) ○

C) □

D) ●

E) ★

7.

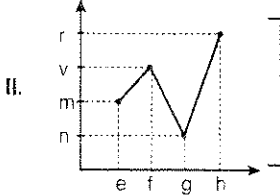


$P_1(x, b)$

$P_2(y, a)$

$P_3(z, c)$

$P_4(t, d)$



$P_1(?, ?)$

$P_2(?, ?)$

$P_3(?, ?)$

$P_4(?, ?)$

$\frac{P_1}{P_2}$

$\frac{P_2}{P_3}$

$\frac{P_3}{P_4}$

$\frac{P_4}{P_1}$

A) (e, n)

(f, m)

(g, v)

(h, r)

B) (e, m)

(f, v)

(g, r)

(h, n)

C) (e, m)

(f, v)

(g, n)

(h, r)

D) (e, r)

(f, k)

(g, m)

(h, n)

E) (e, m)

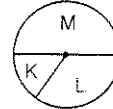
(f, n)

(g, v)

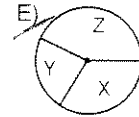
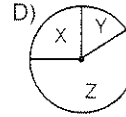
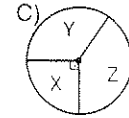
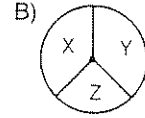
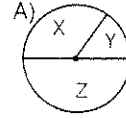
(h, r)

8.

$$\left. \begin{array}{l} K=2 \\ L=4 \\ M=6 \end{array} \right\}$$

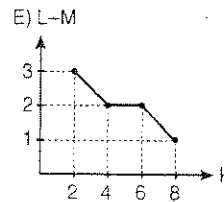
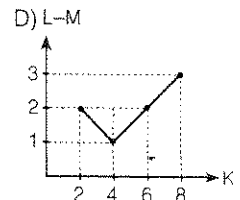
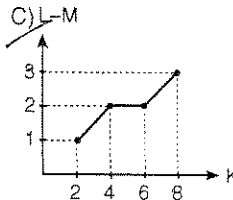
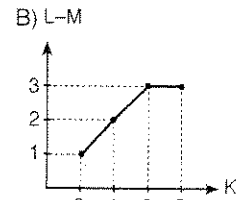
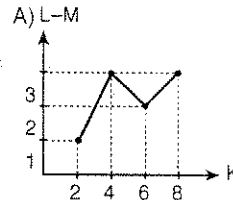
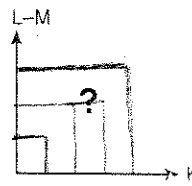


$$\left. \begin{array}{l} X=6 \\ Y=4 \\ Z=8 \end{array} \right\}$$

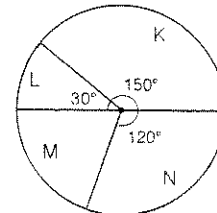


9.

K	L	M
2	5	4
4	3	1
6	4	2
8	6	3



10.



$$K + L + M + N = \% 100$$

$$\Rightarrow K - M = \% ?$$

A) 15

B) 25

C) 30

D) 35

E) 40

Yanıtlar / Answers

1. A

3. E

5. C

7. C

9. C

2. B

4. D

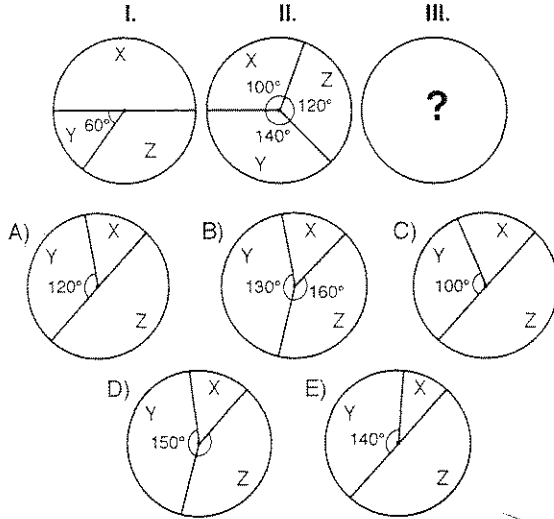
6. C

8. E

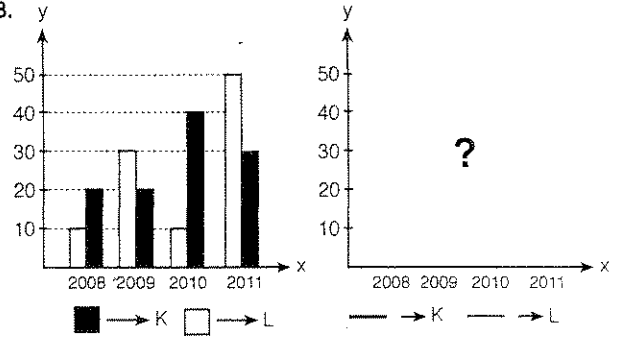
10. B

1.

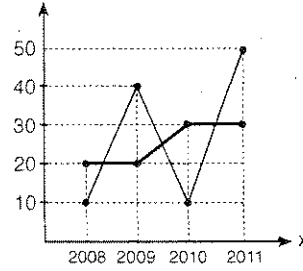
	X	Y	Z
I	3	1	2
II	5	7	6
III	4	8	12



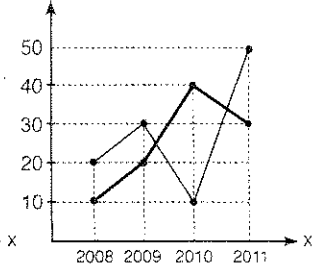
3.



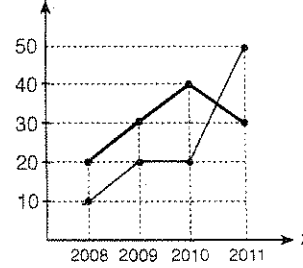
A) y



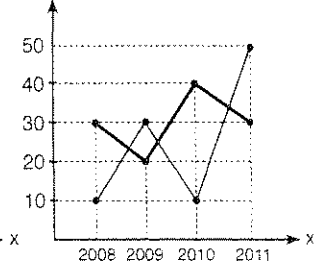
B) y



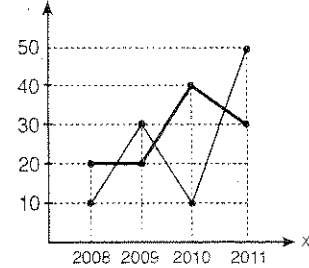
C) y



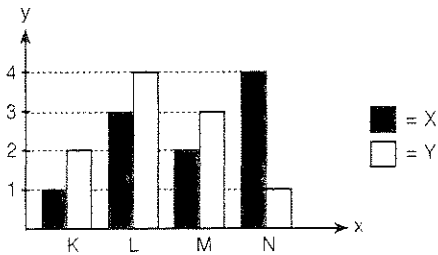
D) y



E) y



2.

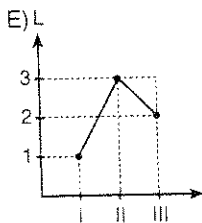
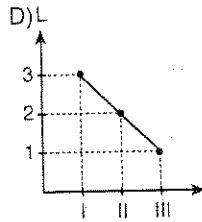
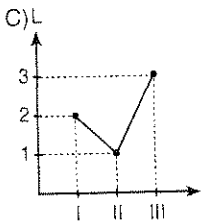
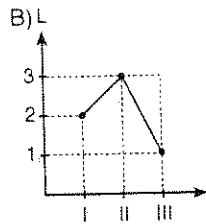
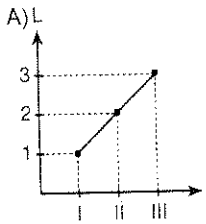
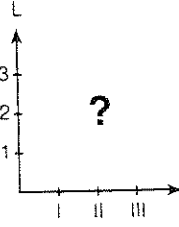
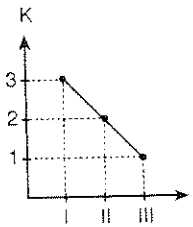
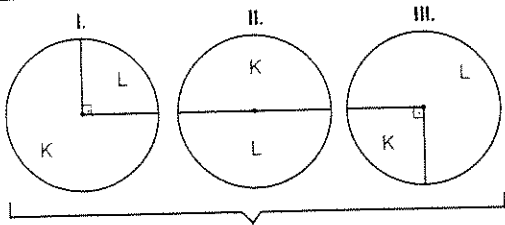


$$X_K + X_L + X_M + X_N = 180$$

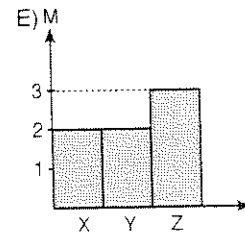
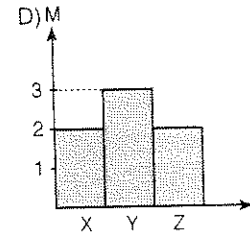
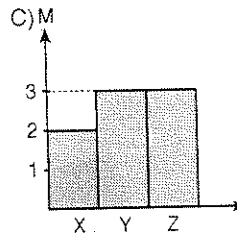
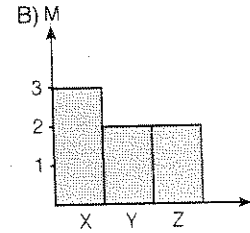
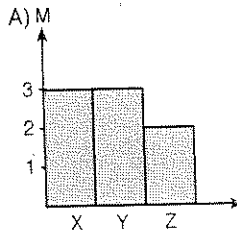
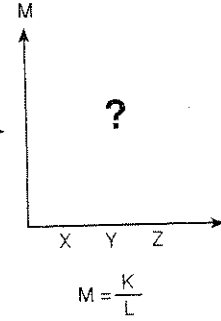
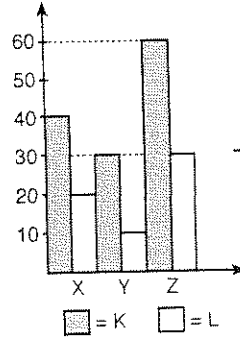
$$Y_K + Y_L + Y_M + Y_N = 130$$

$$\Rightarrow X_K = ?, X_L = ?, Y_M = ?, Y_N = ?$$

	X_K	X_L	Y_M	Y_N
A)	18	54	39	26
B)	18	54	39	13
C)	36	18	26	26
D)	36	72	52	13
E)	54	72	26	39

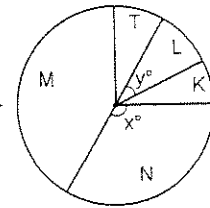


6.



7.

	K	L	M	N	T
%	10	15	35	30	10



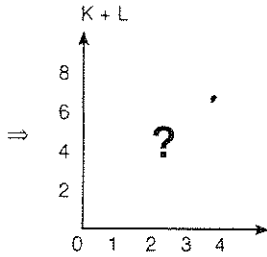
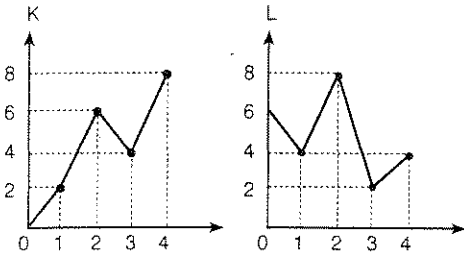
$\Rightarrow x^\circ + y^\circ = ?$

- A) 108 B) 123 C) 144 D) 162 E) 180

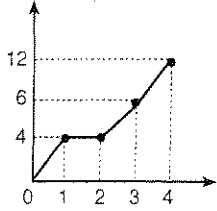
Yanıtlar / Answers

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

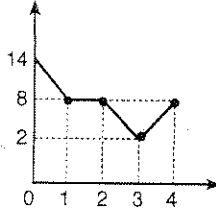
1.



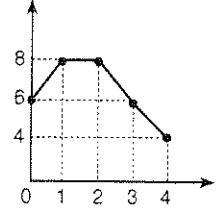
A) K+L



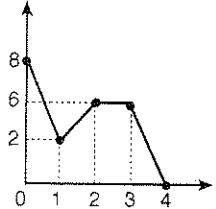
B) K+L



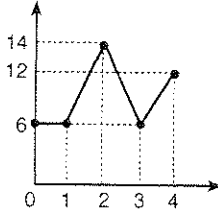
C) K+L



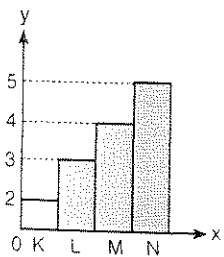
D) K+L



E) K+L



2.



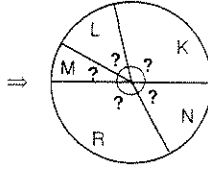
$$K + L + M + N = 5600$$

$$\Rightarrow K + M - N = ?$$

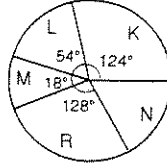
- A) 200 B) 300 C) 400 D) 500 E) 600

3.

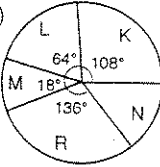
K	L	M	N	R
12	6	2	4	16



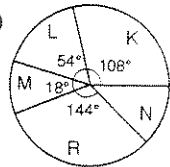
A)



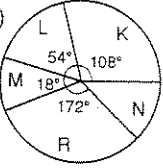
B)



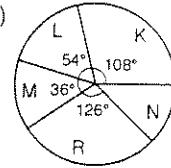
C)



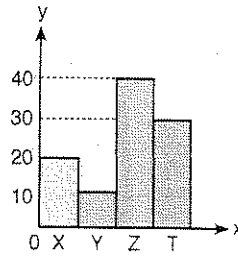
D)



E)



4.

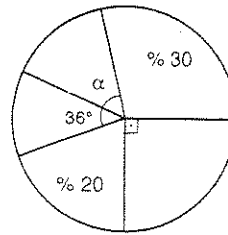


$$X + Y + Z + T = 2300$$

$$\Rightarrow Z - T = ?$$

- A) 220 B) 230 C) 240 D) 250 E) 260

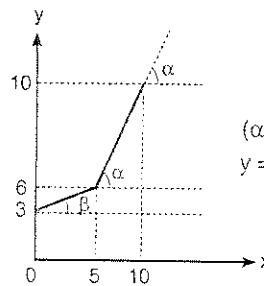
5.



$$\Rightarrow \alpha = ?$$

- A) 36 B) 42 C) 48 D) 54 E) 64

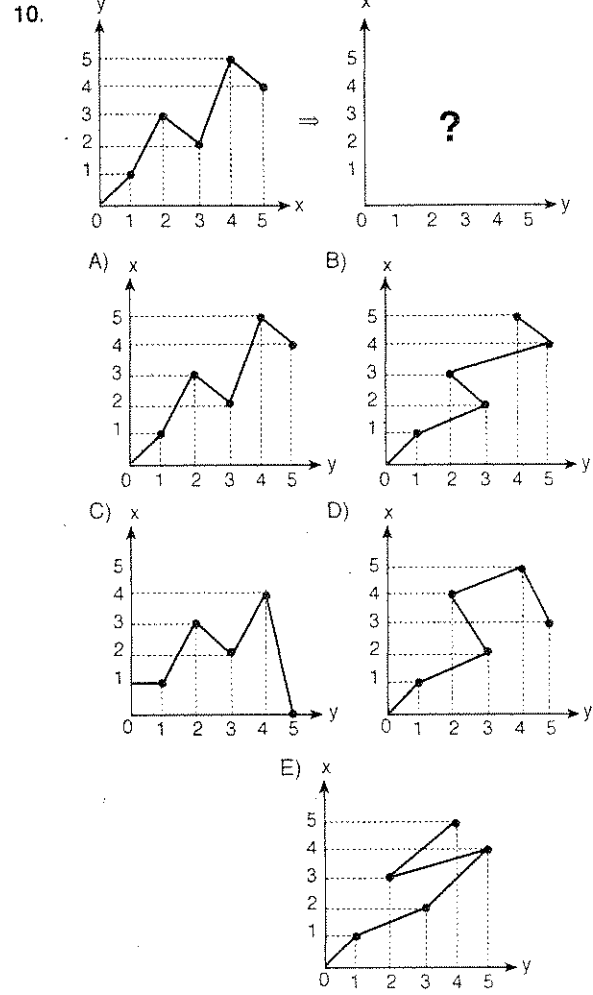
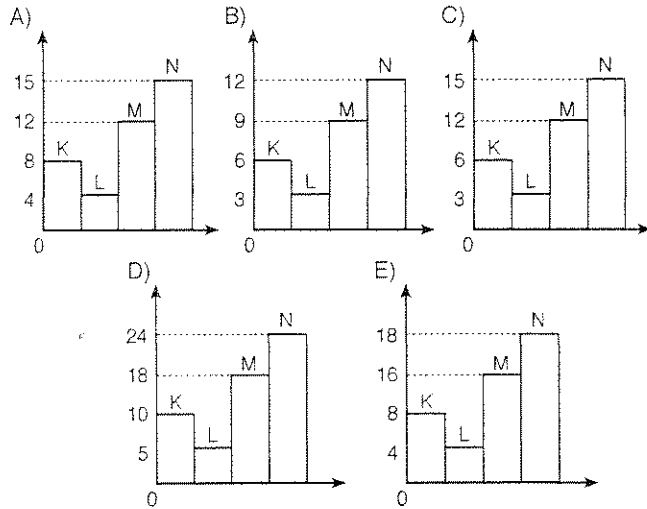
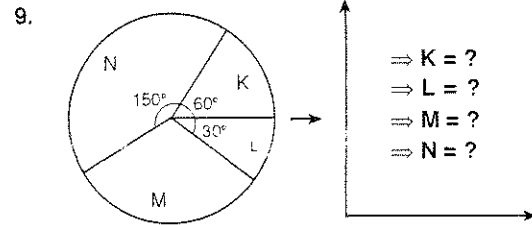
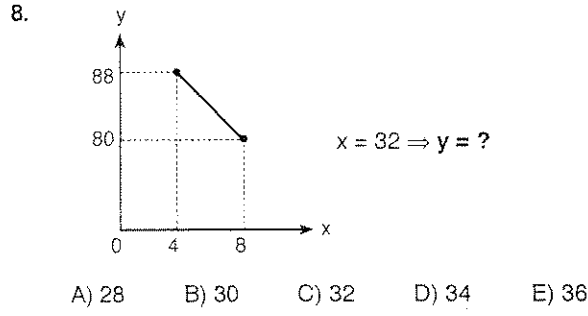
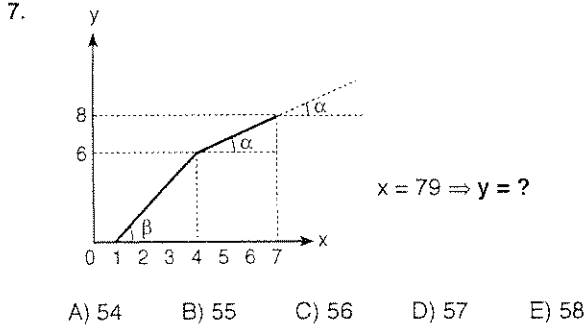
6.



$$(\alpha \neq \beta)$$

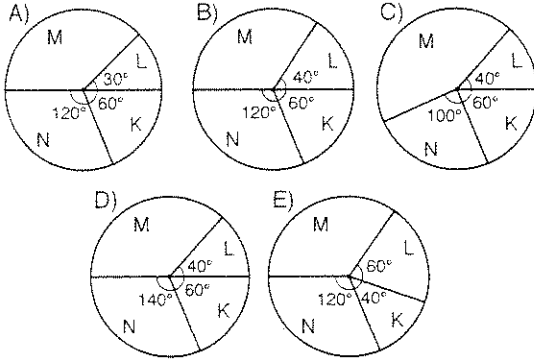
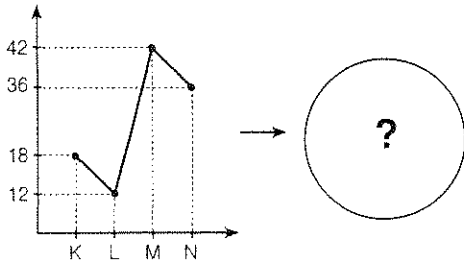
$$y = 98 \Rightarrow x = ?$$

- A) 105 B) 110 C) 115 D) 120 E) 125

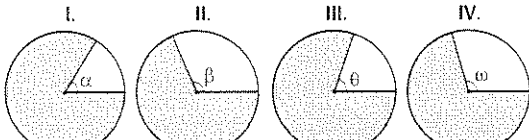
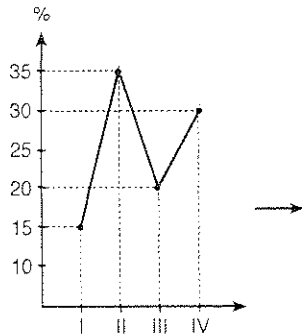


Yanıtlar / Answers				
1. E	3. C	5. D	7. C	9. C
2. C	4. B	6. D	8. C	10. B

1.



2.

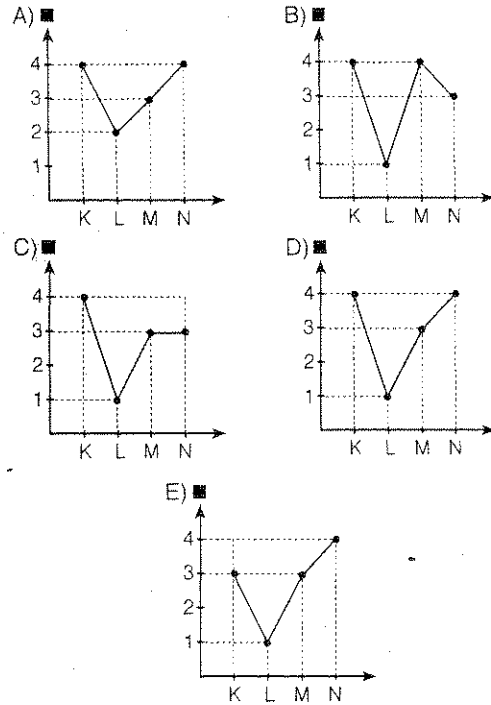
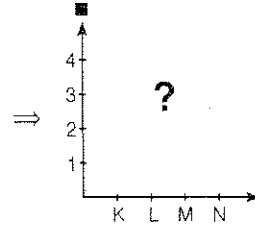
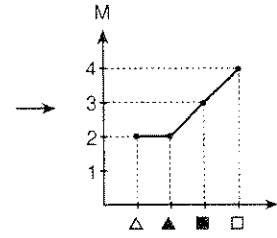


$\Rightarrow \alpha = ? \quad \beta = ? \quad \theta = ? \quad \omega = ?$

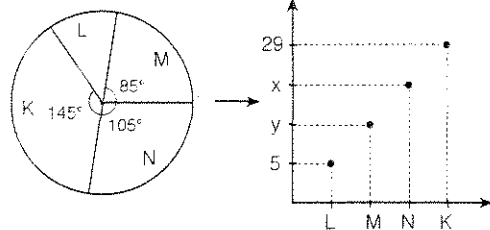
α	β	θ	ω
A) 36°	144°	54°	126°
B) 36°	126°	54°	108°
C) 54°	144°	72°	126°
D) 54°	126°	72°	108°
E) 72°	126°	90°	144°

3.

	K	L	M	N
Δ	5	2	2	1
$\blacktriangle$	3	4	2	5
$\blacksquare$	4	1	3	4
$\square$	1	3	4	2

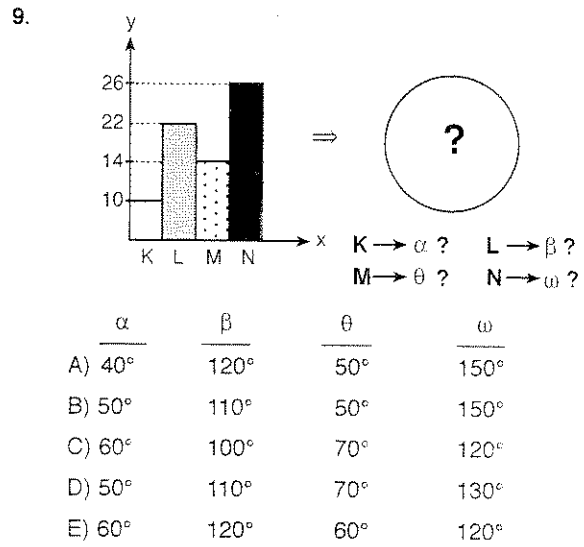
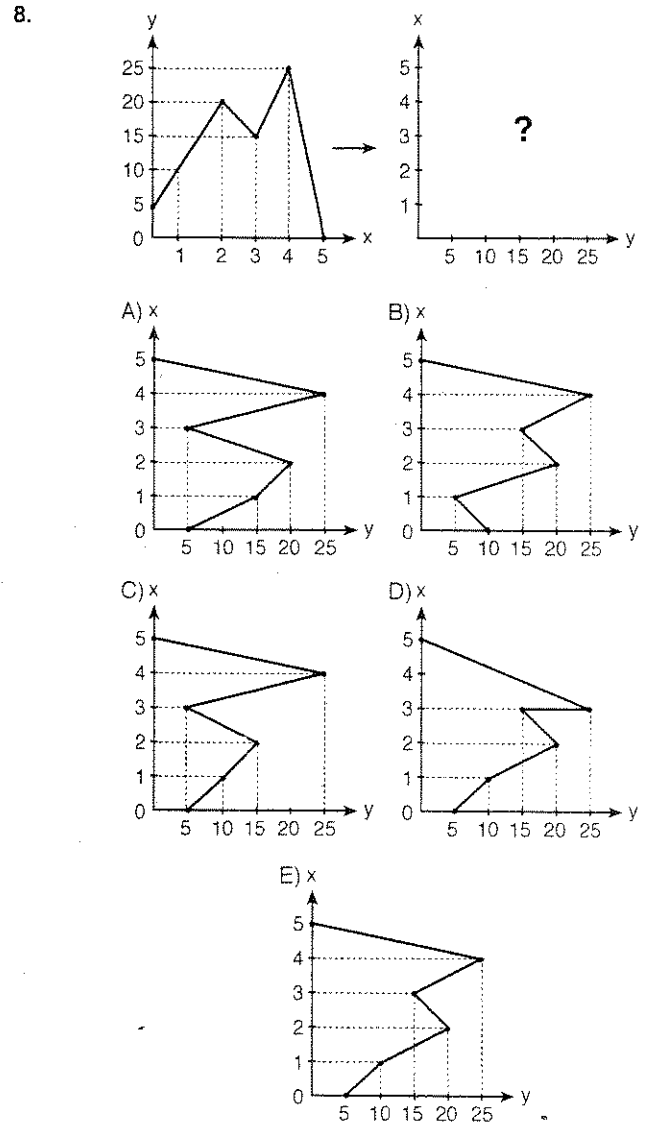
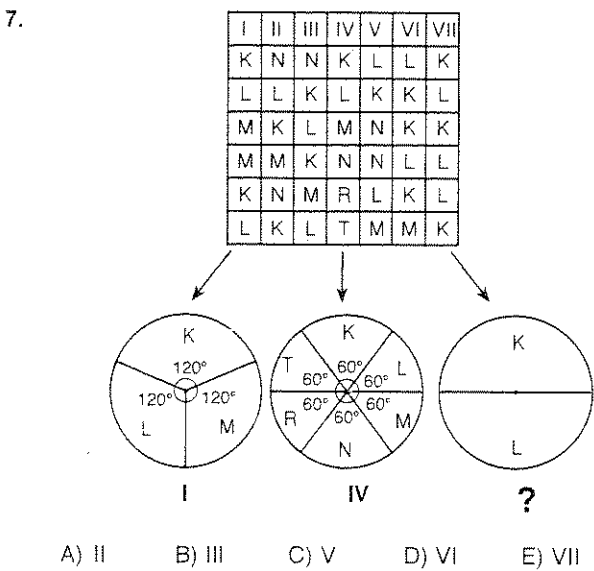
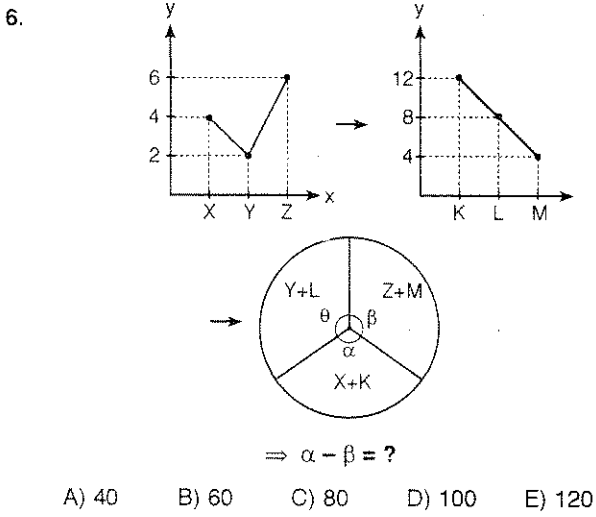
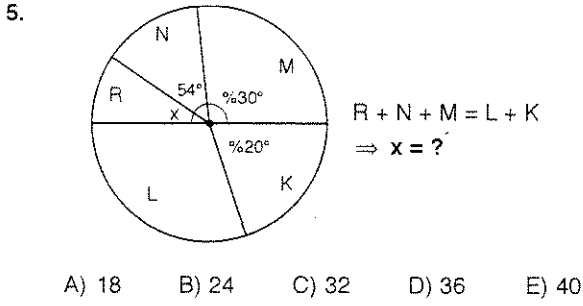


4.



$\Rightarrow x + y = ?$

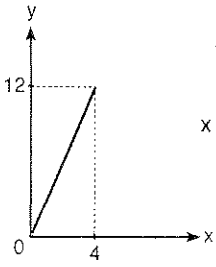
- A) 35 B) 36 C) 37 D) 38 E) 39



Yanıtlar / Answers

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

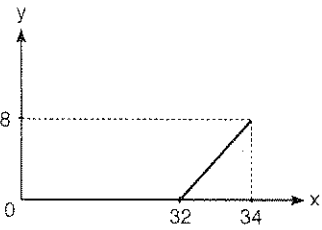
1.



$$x = 20 \Rightarrow y = ?$$

- A) 48 B) 52 C) 56 D) 60 E) 64

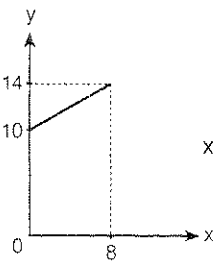
2.



$$y = 16 \Rightarrow x = ?$$

- A) 32 B) 33 C) 34 D) 35 E) 36

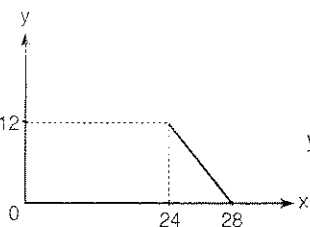
3.



$$x = 48 \Rightarrow y = ?$$

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

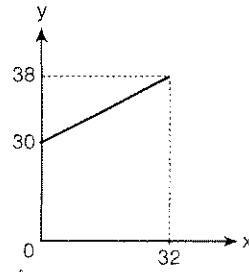
4.



$$y = -6 \Rightarrow x = ?$$

- A) 26 B) 27 C) 28 D) 29 E) 30

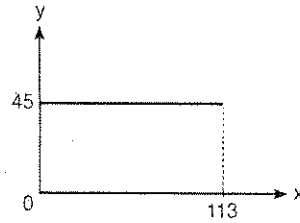
5.



$$x = 8 \Rightarrow y = ?$$

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

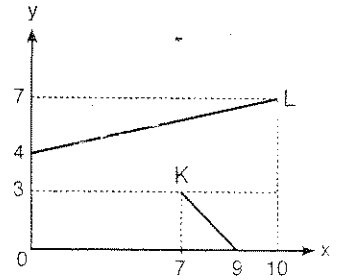
6.



$$x = 128 \Rightarrow y = ?$$

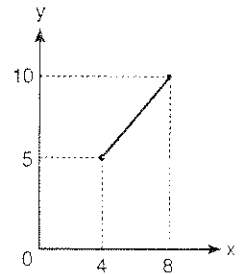
- A) 96 B) 84 C) 63 D) 45 E) 32

7. I. $x = 13 \Rightarrow K_y = M$
 II. $x = 30 \Rightarrow L_y = N$
 $\Rightarrow M + N = ?$

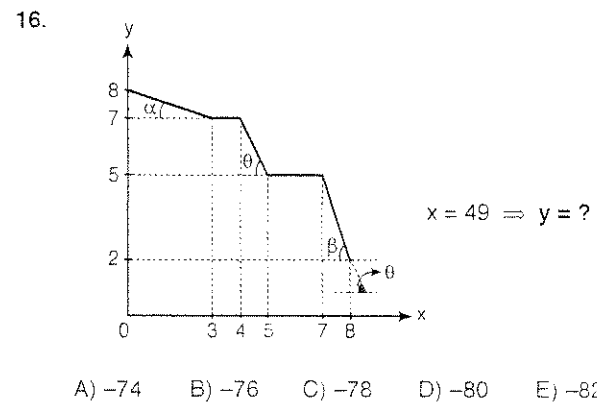
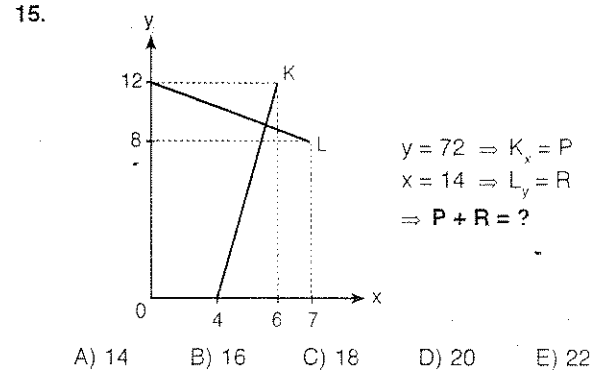
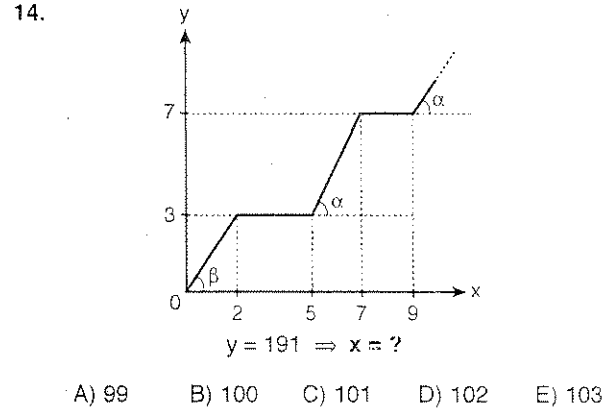
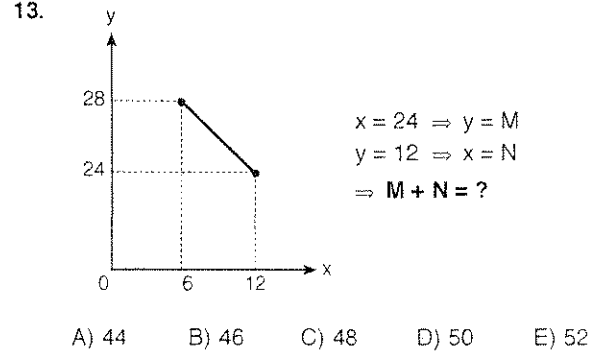
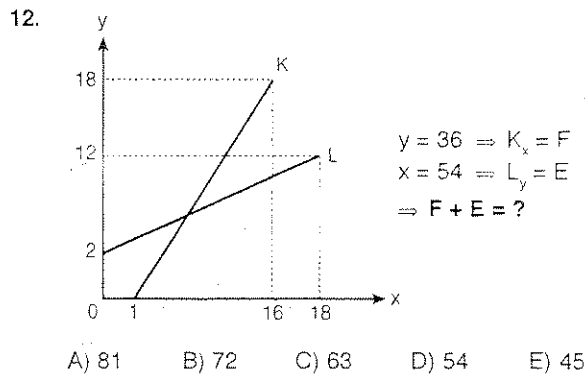
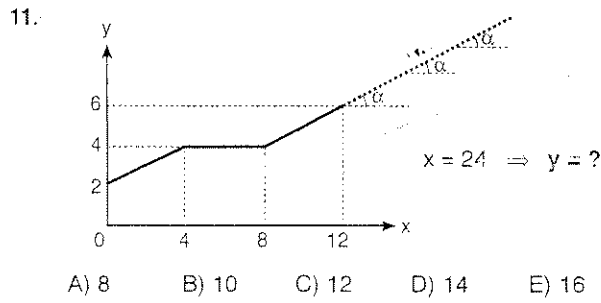
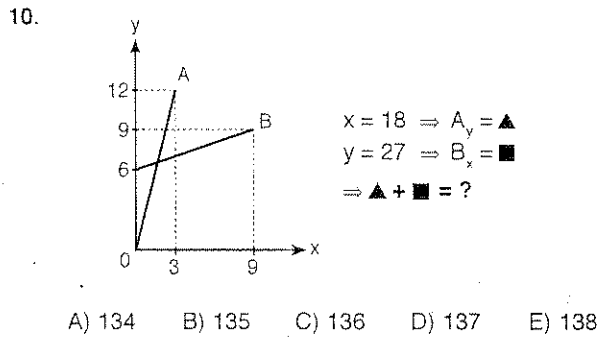
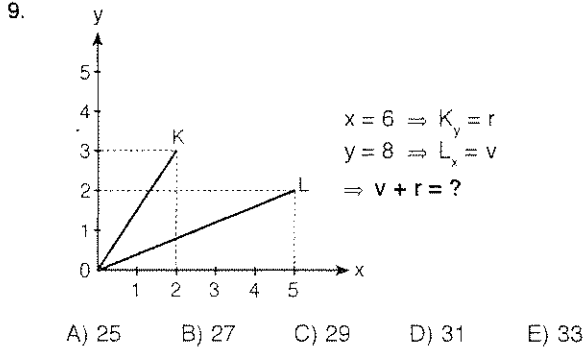


- A) -6 B) -2 C) 4 D) 7 E) 13

8. $x = 40 \Rightarrow y = K$,
 $y = 35 \Rightarrow x = L$
 $\Rightarrow K + L = ?$

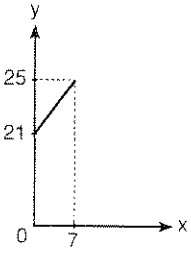


- A) 74 B) 76 C) 78 D) 80 E) 82



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

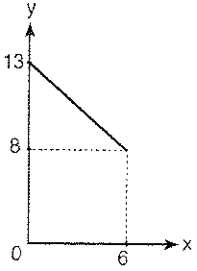
1.



$$x = 49 \Rightarrow y = ?$$

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

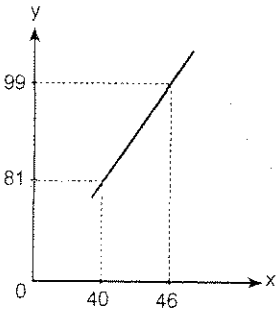
2.



$$x = 42 \Rightarrow y = ?$$

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

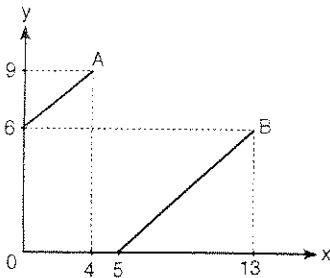
3.



$$y = 45 \Rightarrow x = ?$$

- A) 28 B) 26 C) 24 D) 22 E) 20

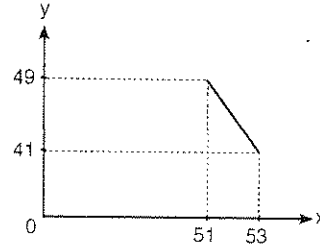
4.



$$\begin{aligned} x = 16 &\Rightarrow A_y = A \\ y = 24 &\Rightarrow B_x = B \\ \Rightarrow A + B &= ? \end{aligned}$$

- A) 24 B) 35 C) 47 D) 55 E) 75

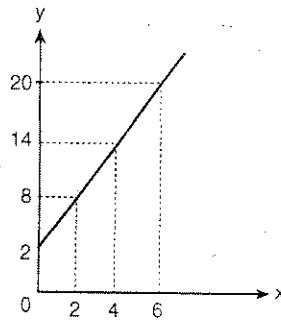
5.



$$\begin{aligned} x = 63 \\ \Rightarrow y = ? \end{aligned}$$

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

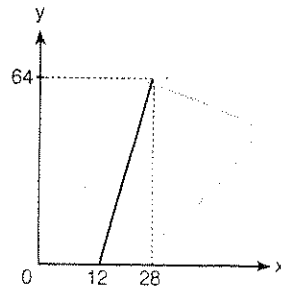
6.



$$\begin{aligned} x = 28 \\ \Rightarrow y = ? \end{aligned}$$

- A) 80 B) 82 C) 84 D) 86 E) 88

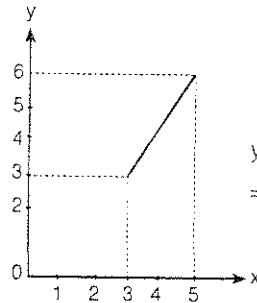
7.



$$\begin{aligned} y = 256 \\ \Rightarrow x = ? \end{aligned}$$

- A) 64 B) 68 C) 70 D) 74 E) 76

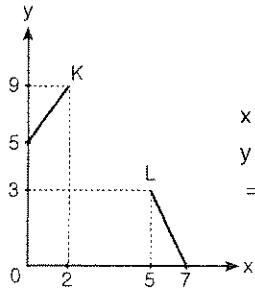
8.



$$\begin{aligned} y = 75 \\ \Rightarrow x = ? \end{aligned}$$

- A) 50 B) 51 C) 52 D) 53 E) 54

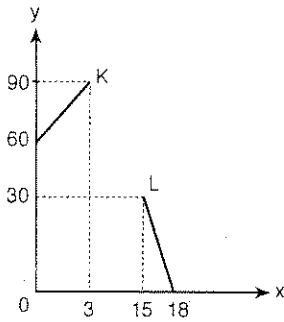
9.



$$\begin{aligned} x = 12 &\Rightarrow K_y = M \\ y = -30 &\Rightarrow L_x = N \\ \Rightarrow M + N &= ? \end{aligned}$$

- A) 53 B) 54 C) 55 D) 56 E) 57

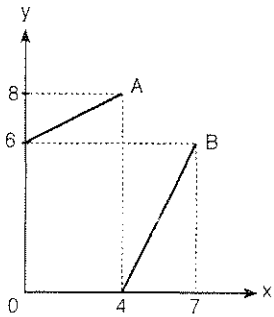
10.



$$\begin{aligned} y = 270 \\ \Rightarrow K_x + L_x &= ? \end{aligned}$$

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

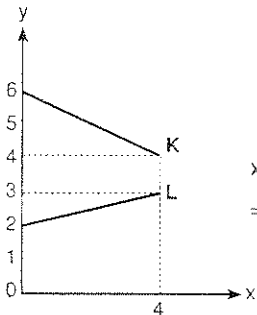
11.



$$\begin{aligned} y = 18 \\ \Rightarrow A_y + B_y &= ? \end{aligned}$$

- A) 34 B) 35 C) 36 D) 37 E) 38

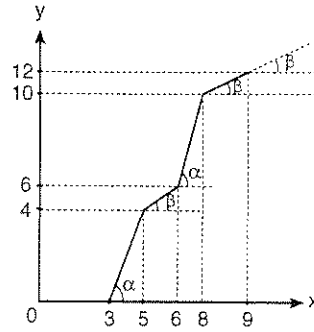
12.



$$\begin{aligned} x = 24 \\ \Rightarrow K_y + L_y &= ? \end{aligned}$$

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

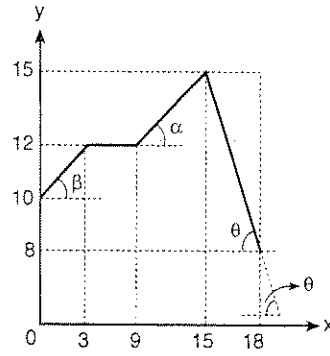
13.



$$\begin{aligned} y = 738 \\ \Rightarrow x &= ? \end{aligned}$$

- A) 372 B) 441 C) 567 D) 676 E) 712

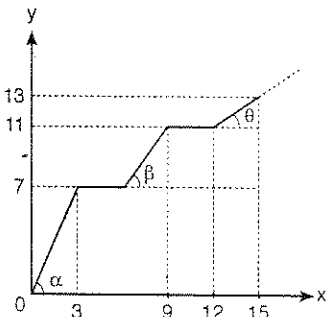
14.



$$\begin{aligned} x = 42 \\ \Rightarrow y &= ? \end{aligned}$$

- A) -40 B) -42 C) -44 D) -46 E) -48

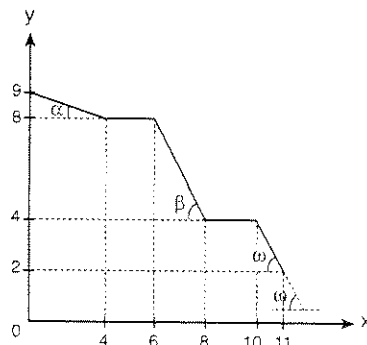
15.



$$\begin{aligned} x = 36 \\ \Rightarrow y &= ? \end{aligned}$$

- A) 25 B) 27 C) 29 D) 31 E) 33

16.



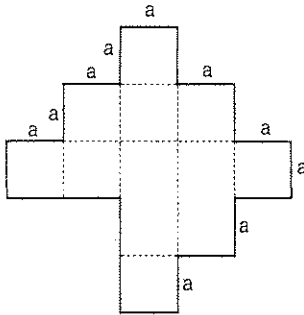
$$\begin{aligned} y = -12 \\ \Rightarrow x &= ? \end{aligned}$$

- A) 17 B) 18 C) 19 D) 20 E) 21

Yanıtlar / Answers

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

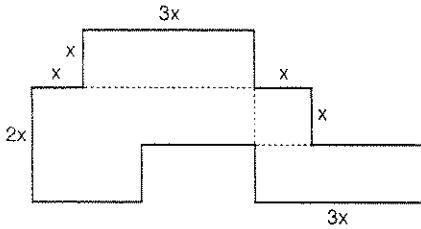
1.



⇒ Çevre / The Perimeter = ? a

- A) 16 B) 18 C) 20 D) 22 E) 24

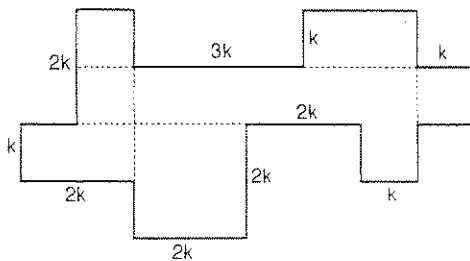
2.



⇒ Çevre / The Perimeter = ? x

- A) 16 B) 18 C) 20 D) 22 E) 24

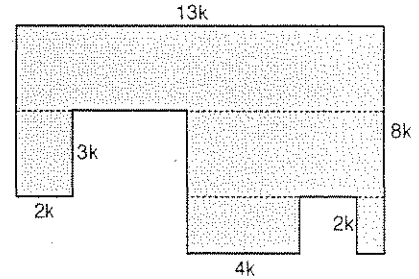
3.



⇒ Çevre / The Perimeter = ? k

- A) 22 B) 24 C) 26 D) 28 E) 30

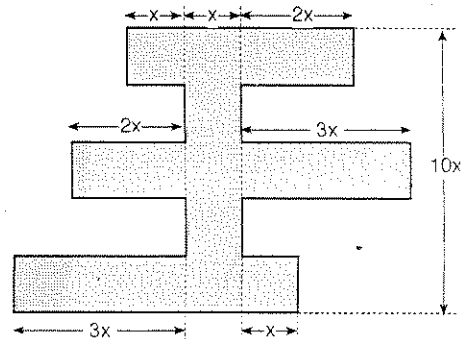
4.



⇒ Çevre / The Perimeter = ? k

- A) 50 B) 52 C) 54 D) 56 E) 58

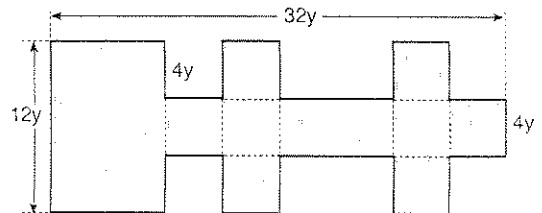
5.



⇒ Çevre / The Perimeter = ? x

- A) 46 B) 45 C) 44 D) 43 E) 42

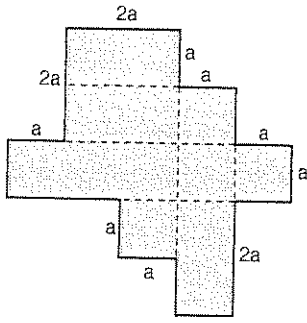
6.



⇒ Çevre / The Perimeter = ? y

- A) 112 B) 114 C) 116 D) 118 E) 120

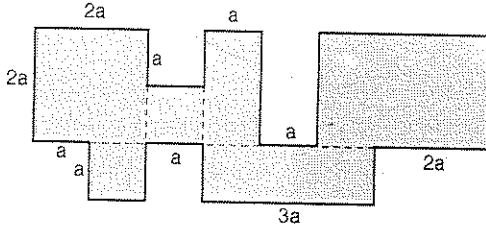
7.



⇒ Taralı Alan / The shaded area = ? a^2

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

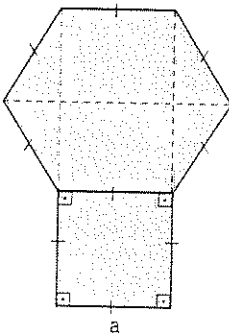
8.



⇒ Taralı Alan / The shaded area = ? a^2

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

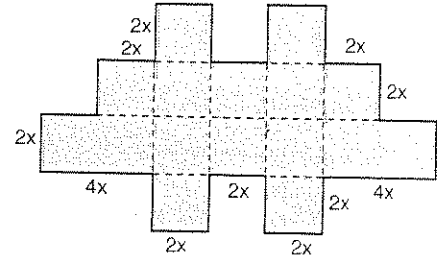
9.



⇒ Taralı Alan / The shaded area = ? a^2

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

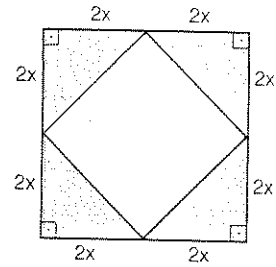
10.



⇒ Taralı Alan / The shaded area = ? x^2

- A) 48 B) 56 C) 64 D) 72 E) 96

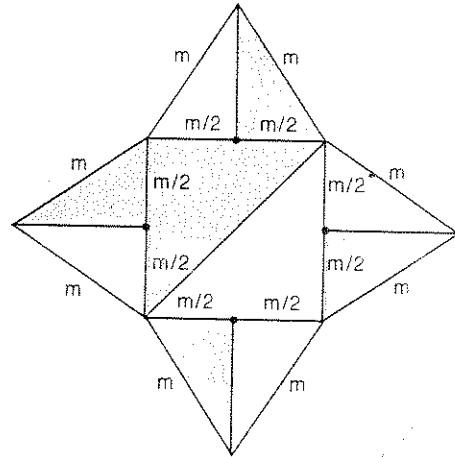
11.



⇒ Taralı Alan / The shaded area = ? x^2

- A) 4 B) 8 C) 10 D) 12 E) 16

12.



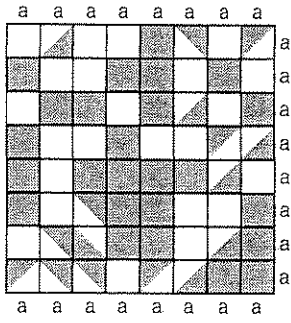
⇒ Taralı Alan / The shaded area = ? m^2

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

Yanıtlar / Answers

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

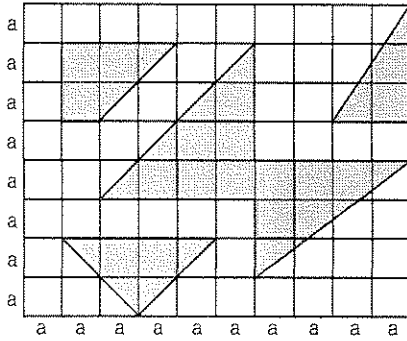
1.



⇒ Taralı Alan / The shaded area = ? a^2

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

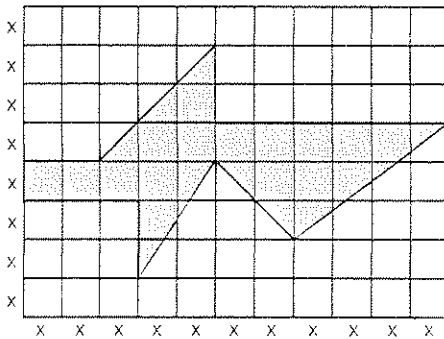
2.



⇒ Taralı Alan / The shaded area = ? a^2

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

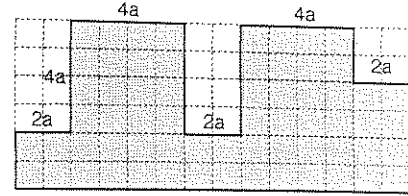
3.



⇒ Taralı Alan / The shaded area = ? x^2

- A) 19,5 B) 20 C) 20,5 D) 21 E) 21,5

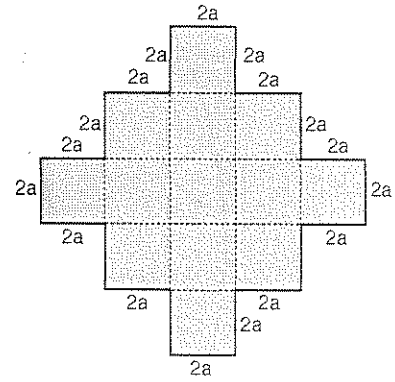
4.



⇒ Taralı Alan / The shaded area = ? a^2

- A) 58 B) 60 C) 62 D) 64 E) 66

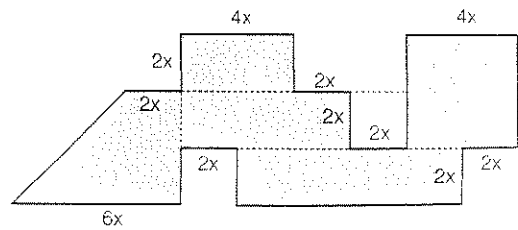
5.



⇒ Taralı Alan / The shaded area = ? a^2

- A) 13 B) 26 C) 42 D) 52 E) 60

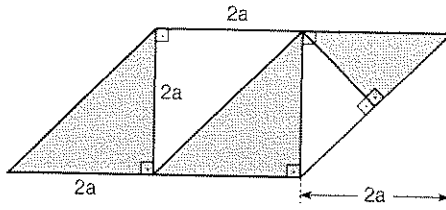
6.



⇒ Taralı Alan / The shaded area = ? x^2

- A) 60 B) 62 C) 64 D) 66 E) 68

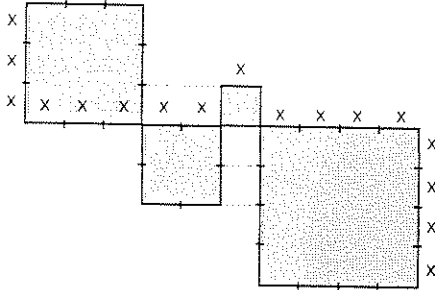
7.



⇒ Taralı Alan / The shaded area = ? a^2

- A) 2 B) 4 C) 5 D) 6 E) 7

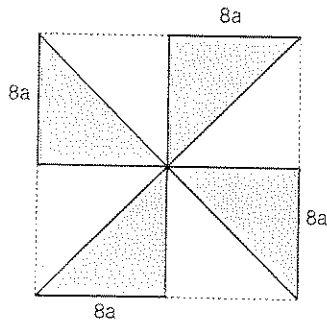
8.



⇒ Taralı Alan / The shaded area = ? x^2

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

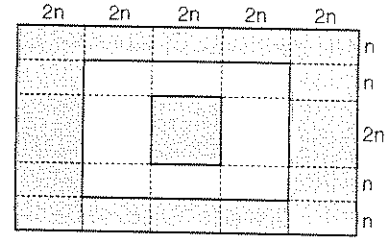
9.



⇒ Taralı Alan / The shaded area = ? a^2

- A) 96 B) 128 C) 144 D) 172 E) 196

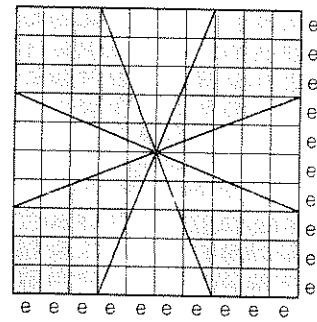
10.



⇒ Taralı Alan / The shaded area = ? n^2

- A) 36 B) 38 C) 40 D) 42 E) 44

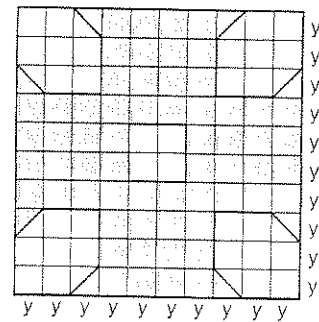
11.



⇒ Taralı Alan / The shaded area = ? e^2

- A) 40 B) 50 C) 60 D) 70 E) 80

12.



⇒ Taralı Alan / The shaded area = ? y^2

- A) 56 B) 60 C) 64 D) 68 E) 72

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