



GALATA YÖS-SAT YAYINLARI

YÖS



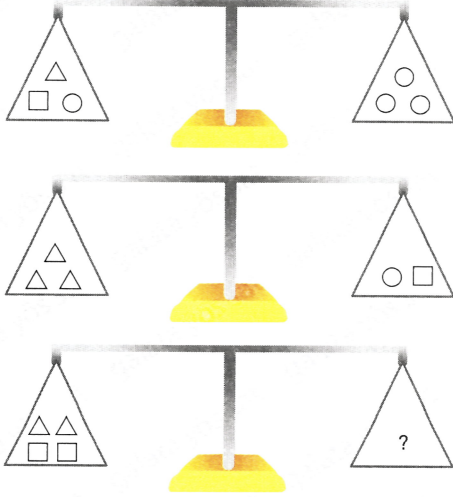
IQ-1

Intelligence Quotient

Konu Anlatım / Lecture

Yeni Tarz Sorular / New Style Questions

23.



Buna göre aşağıdakilerden hangisi ya da hangileri doğrudur?

Which of the followings is / are true?

I. ? = ○○○○

II. ? = □□□□

III. ? = ○△△△△

A) I

B) I - III

C) II - III

D) III

E) I - II - III

Çözüm:

$$\begin{array}{r} \square \triangle \circ = \circ \circ \circ \\ + \triangle \triangle \triangle = \square \circ \\ \hline \end{array}$$

$$4 \triangle = 3 \circ = 12k$$

$$\triangle \triangle \triangle = \square \circ$$

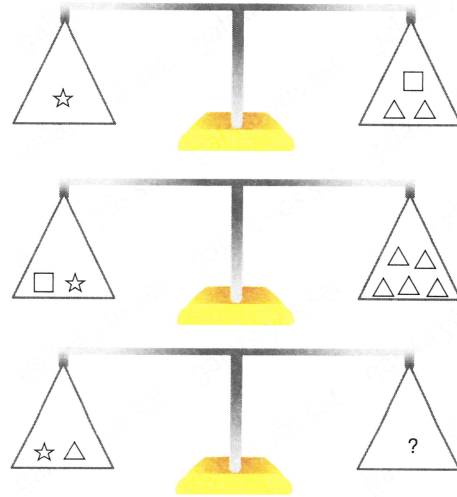
$$3k = 4k \Rightarrow \square = 5k$$

$$\square \square \triangle \triangle = 16k = \circ \circ \circ \circ$$

$$\square \square \triangle \triangle = 16k = \circ \triangle \triangle \triangle \triangle$$

I. ve III. doğrudur.

24.



Buna göre aşağıdakilerden hangisi ya da hangileri doğrudur? *festtu.com*

Which of the followings is / are true?

I. ? = △△△

II. ? = □□△

III. ? = □□□

A) I

B) II

C) III

D) I - III

E) II - III

Çözüm:

$$\star = 2 \triangle + \square$$

$$5 \triangle = \star + \square$$

$$3 \triangle = 2 \square$$

$$\star = \triangle \triangle + \square \Rightarrow \star = 7k$$

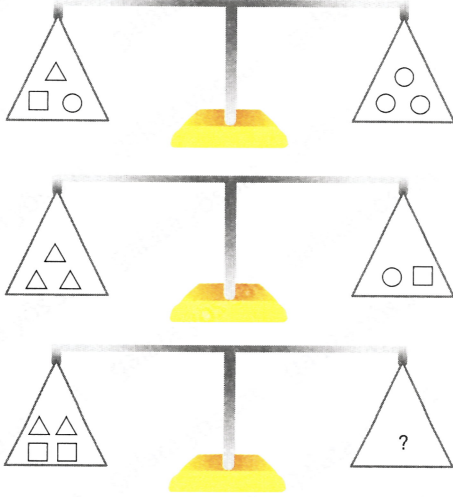
$$\star \triangle = 9k = \square \square \square$$

$$\triangle \triangle \triangle = 6k$$

$$\square \square \triangle = 8k$$

III. doğrudur.

23.



Buna göre aşağıdakilerden hangisi ya da hangileri doğrudur?

Which of the followings is / are true?

I. ? = ○○○○

II. ? = □□□□

III. ? = ○△△△△

A) I

B) I - III

C) II - III

D) III

E) I - II - III

Çözüm:

$$\begin{array}{r} \square \triangle \circ = \circ \circ \circ \\ + \triangle \triangle \triangle = \square \circ \\ \hline \end{array}$$

$$4 \triangle = 3 \circ = 12k$$

$$\triangle \triangle \triangle = \square \circ$$

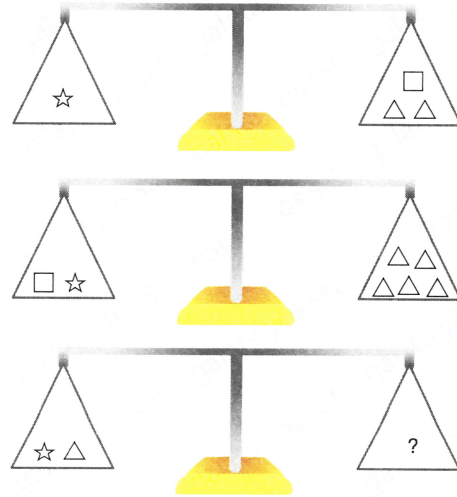
$$3k = 4k \Rightarrow \square = 5k$$

$$\square \square \triangle \triangle = 16k = \circ \circ \circ \circ$$

$$\square \square \triangle \triangle = 16k = \circ \triangle \triangle \triangle \triangle$$

I. ve III. doğrudur.

24.



Buna göre aşağıdakilerden hangisi ya da hangileri doğrudur? *festtu.com*

Which of the followings is / are true?

I. ? = △△△

II. ? = □□△

III. ? = □□□

A) I

B) II

C) III

D) I - III

E) II - III

Çözüm:

$$\star = 2 \triangle + \square$$

$$5 \triangle = \star + \square$$

$$\begin{array}{r} 3 \triangle = 2 \square \\ \downarrow \quad \downarrow \\ 2k \quad 3k \end{array}$$

$$\star = \triangle \triangle + \square \Rightarrow \star = 7k$$

$$\star \triangle = 9k = \square \square \square$$

$$\triangle \triangle \triangle = 6k$$

$$\square \square \triangle = 8k$$

III. doğrudur.

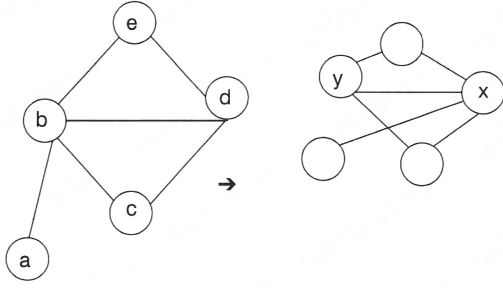
ÜNİTE 7

Unit 7

Eşleştirme

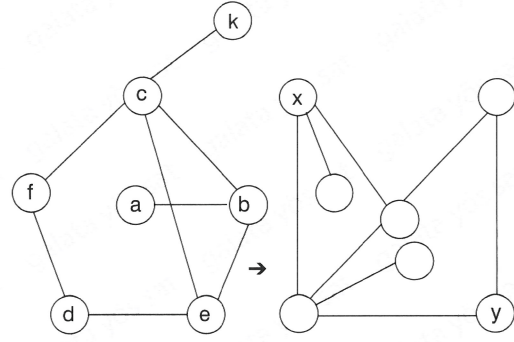
Matching

1.



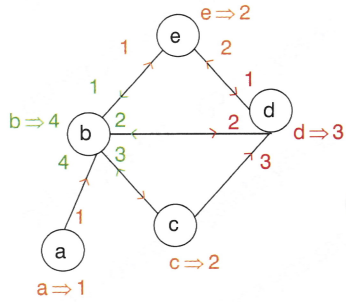
	X	Y
A)	b	d
B)	d	b
C)	a	d
D)	b	c
E)	d	e

2.



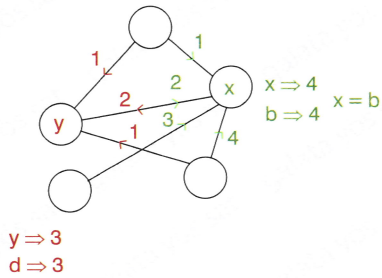
	X	Y
A)	e	f
B)	a	f
C)	b	f
D)	f	b
E)	b	c

Çözüm:



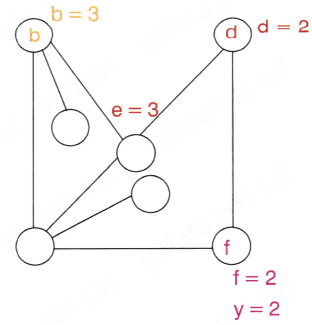
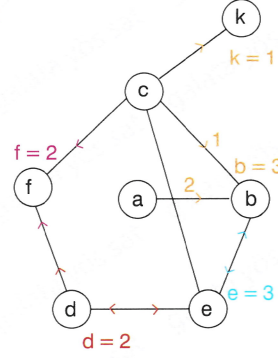
dairelere gelen çizgiler kadar dairelerin diğer dairelerle bağlantısı vardır.

$$a \Rightarrow 1, \quad b \Rightarrow 4, \quad c \Rightarrow 2, \quad e \Rightarrow 2, \quad d \Rightarrow 3$$



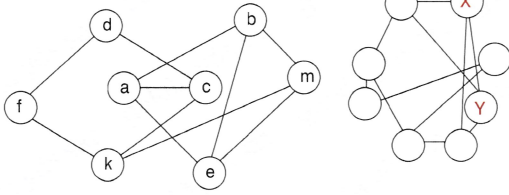
CEVAP : A

Çözüm:



CEVAP : C

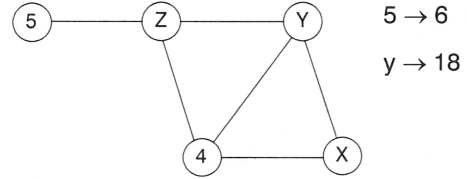
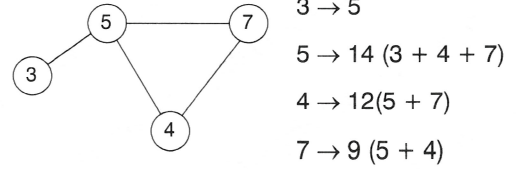
5.



	X	Y
A)	a	c
B)	b	m
C)	e	b
D)	k	c
E)	e	m

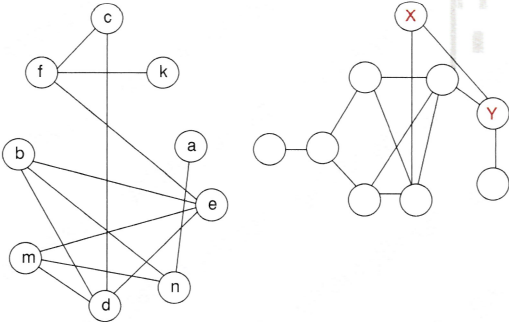
7. Aşağıdaki verilen sistemin kuralı şöyledir. Herhangi bir daire için dairedeki sayı, sağ taraftaki verilen listede gösterildiği gibi daireye bağlı olan dairelerdeki sayıların toplamına eşittir.

Buna göre, X nedir?



- A) 4 B) 6 C) 8 D) 20 E) 12

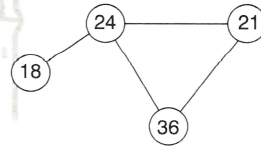
6.



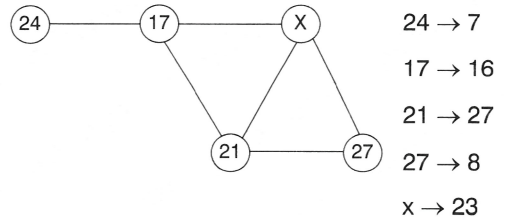
	X	Y
A)	c	f
B)	c	b
C)	c	n
D)	c	d
E)	c	n

8. Aşağıdaki verilen sistemin kuralı şöyledir: Herhangi bir daire için dairedeki sayı, sağ taraftaki verilen listede gösterildiği gibi daireye bağlı olan dairelerdeki sayıların rakamları çarpımının toplamına eşittir. *festec.com*

Buna göre, X hangisi olur?

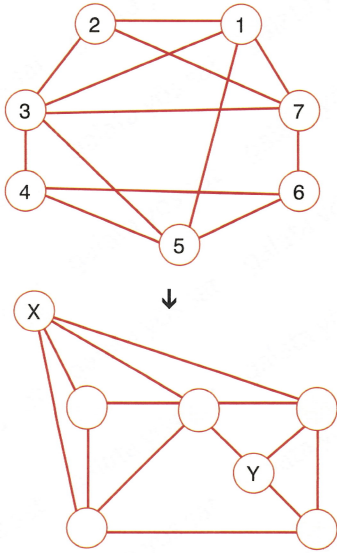


- $18 \rightarrow 8 (2.4)$
 $24 \rightarrow 28 (1.8+3.6+2.1)$
 $36 \rightarrow 10(2.4 + 2.1)$
 $21 \rightarrow 26 (2.4+3.6)$



- A) 24 B) 28 C) 32 D) 34 E) 36

8.

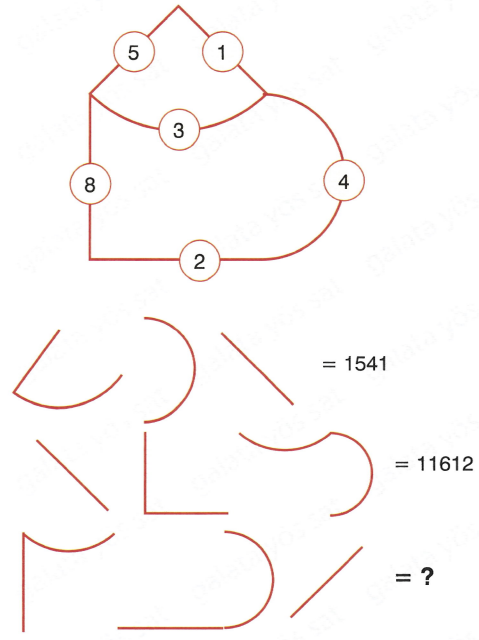


(X, Y) = ?

- A) (1, 2) B) (5, 2) C) (1, 4)
D) (7, 6) E) (7, 5)

İnönü – 2021

10.

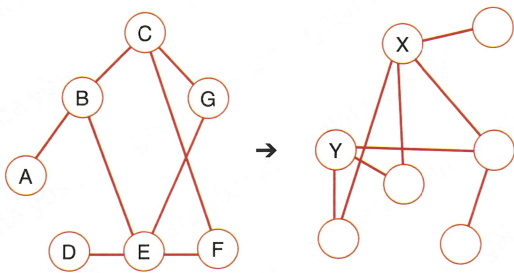


Soru işareti (?) yerine aşağıdakilerden hangisi gelmelidir?

- A) 1285 B) 1185 C) 2425
D) 1265 E) 2485

Ondokuz Mayıs – 2020

9.

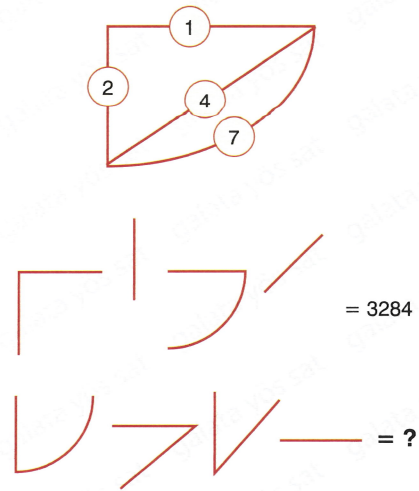


X = ? ; Y = ?

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

Ondokuz Mayıs – 2021

11.



- A) 2147 B) 2417 C) 4721
D) 6861 E) 9561

Ondokuz Mayıs – 2019

1-C

2-B

3-D

4-C

5-D

6-E

7-C

8-B

9-A

10-E

11-E

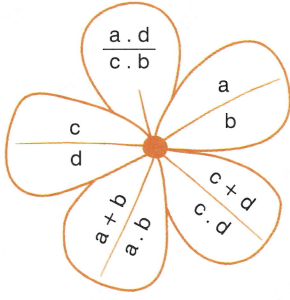
ÜNİTE 8

Unit 8

Denklem Eşleştirme

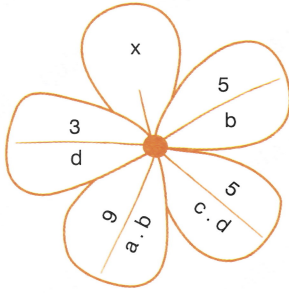
Equation Matching

$a, b, c, d \in \mathbb{Z}^+$ (Pozitif tam sayı)



1 – 3 soruları verilen tablodaki denklemlere göre cevaplayınız.

1.



$x = ?$

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

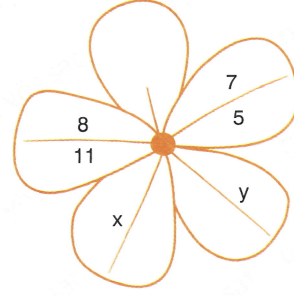
Çözüm:

$$a = 5 \rightarrow a + b = 9 \rightarrow \boxed{b = 4}$$

$$c = 3 \rightarrow c + d = 5 \rightarrow \boxed{d = 2}$$

$$x = \frac{a \cdot d}{c \cdot b} = \frac{5 \cdot 2}{3 \cdot 4} = \frac{10}{12} = \frac{5}{6}$$

2.



$x + y = ?$

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

Çözüm:

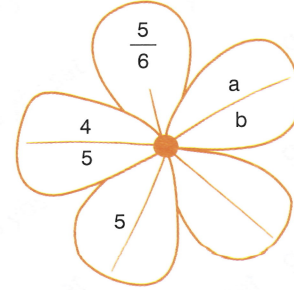
$$c = 8 \Rightarrow y = c + d = 19$$

$$a = 7 \Rightarrow x = a + b = 12$$

$$x + y = 12 + 19 = 31$$

3.

- E) $\frac{6}{5}$



$a = ?$ $b = ?$

- | | <u>a</u> | <u>b</u> |
|----|----------|----------|
| A) | 2 | 3 |
| B) | 3 | 2 |
| C) | 1 | 2 |
| D) | 2 | 1 |
| E) | 1 | 3 |

Çözüm:

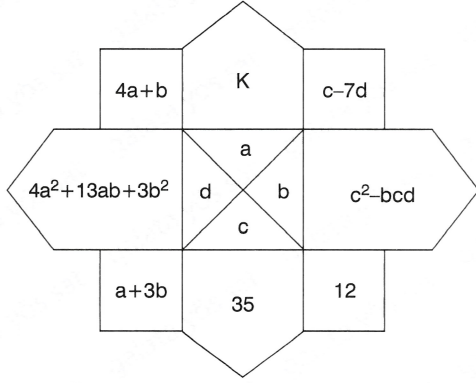
$$\frac{a \cdot d}{c \cdot b} = \frac{5a}{4b} = \frac{5}{6} \Rightarrow \frac{a}{b} = \frac{4}{6} = \frac{2}{3}$$

$$a + b = 5 \quad \frac{a}{b} = \frac{2}{3} \Rightarrow \begin{cases} a = 2k \\ b = 3k \end{cases}$$

$$\downarrow$$

$$5k = 5 \Rightarrow \begin{cases} a = 2k \\ b = 3k \end{cases} \Rightarrow \begin{cases} a = 2 \\ b = 3 \end{cases}$$

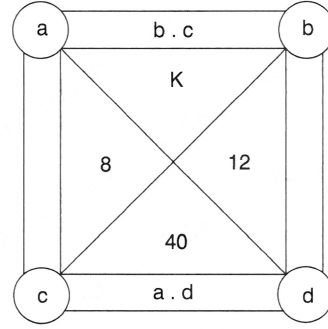
4.



K = ?

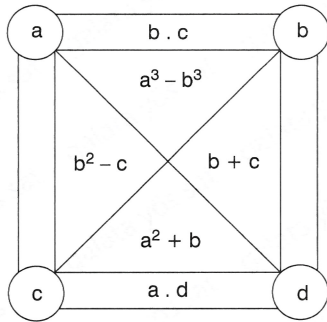
- A) $\frac{35}{12}$ B) $\frac{7}{4}$ C) $\frac{12}{35}$ D) $\frac{4}{7}$ E) $\frac{5}{12}$

5.



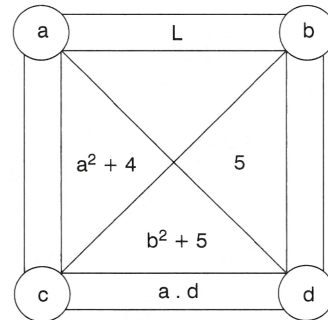
K = ?

- A) 138 B) 146 C) 152 D) 164 E) 172



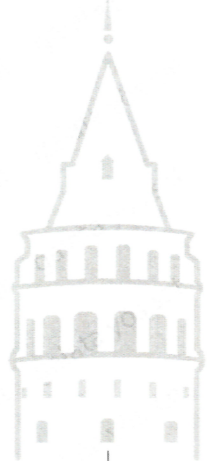
5 - 6. soruları verilen tablodaki verileri kullanarak çözünüz.

6.



L = ?

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



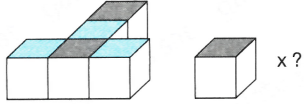
ÜNİTE 9

Unit 9

Küpler

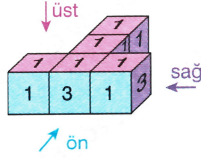
Cubes

1.



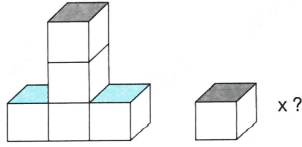
- A) 3 B) 4 C) 5 D) 6 E) 7

Çözüm:



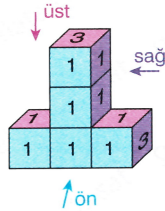
Ön taraftan bakıldığında arkaya doğru $\Rightarrow 1 + 3 + 1 = 5$
 Sağ taraftan bakıldığında sola doğru $\Rightarrow 3 + 1 + 1 = 5$
 Üstten bakıldığında alta doğru $\Rightarrow 1 + 1 + 1 + 1 + 1 = 5$
 Hangi taraftan bakılırsa sonuç "5" çıkıyor.

2.



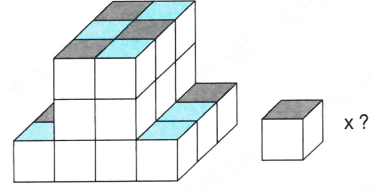
- A) 3 B) 4 C) 5 D) 6 E) 7

Çözüm:



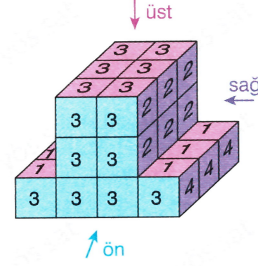
Ön taraftan arkaya doğru $\Rightarrow 1 + 1 + 1 + 1 = 5$
 Üst taraftan bakıldığında $\Rightarrow 1 + 3 + 1 = 5$
 Sağ taraftan bakıldığında $\Rightarrow 3 + 1 + 1 = 5$
 Hangi taraftan bakılırsa sonuç "5" çıkıyor.

3.



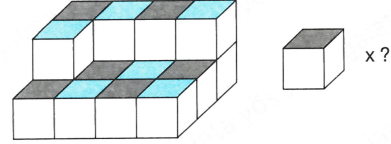
- A) 21 B) 22 C) 23 D) 24 E) 25

Çözüm:



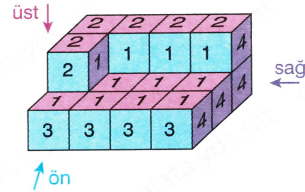
Ön taraftan bakıldığında arkaya doğru
 $\Rightarrow 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 24$
 Üstten bakıldığında alta doğru
 $\Rightarrow 3 + 3 + 3 + 3 + 3 + 3 + 1 + 1 + 1 + 1 + 1 + 1 = 24$
 Sağdan bakıldığında sola doğru
 $\Rightarrow 4 + 4 + 4 + 2 + 2 + 2 + 2 + 2 + 2 = 24$
 Hangi taraftan bakılırsa sonuç "24" çıkıyor.

4.



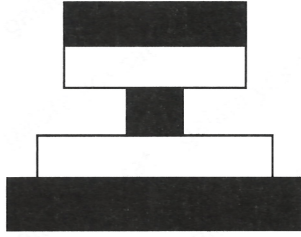
- A) 16 B) 17 C) 18 D) 19 E) 20

Çözüm:

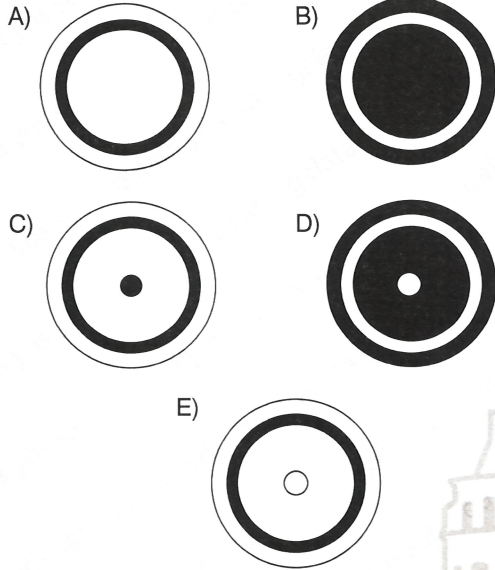


Üstten bakılırsa
 $\Rightarrow 2 + 2 + 2 + 2 + 2 + 1 + 1 + 1 + 1 + 1 + 1 = 17$
 Önden bakınca
 $\Rightarrow 3 + 3 + 3 + 3 + 2 + 1 + 1 + 1 = 17$
 Sağdan bakınca
 $\Rightarrow 4 + 4 + 4 + 4 + 1 = 17$
 Her yönden sonuç "17" çıkıyor.

1.

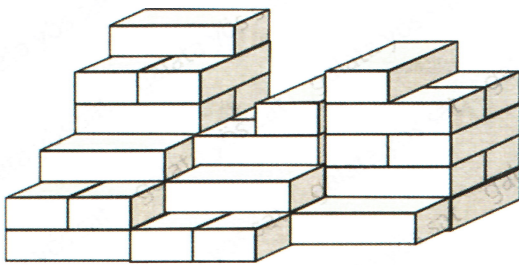


Silindir parçalarından oluşan şeklin üstten görünümü aşağıdakilerden hangisidir?



Ondokuz Mayıs – 2019

2.



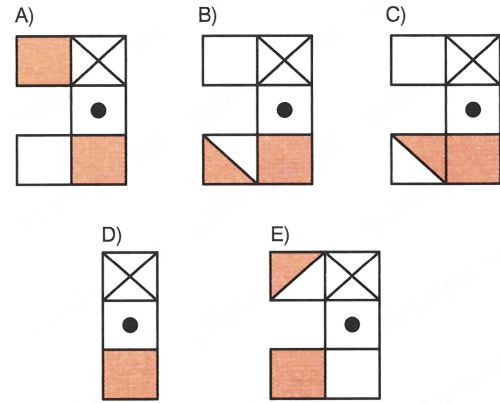
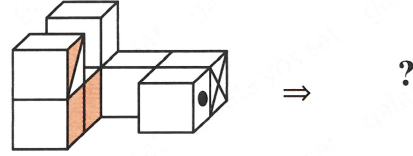
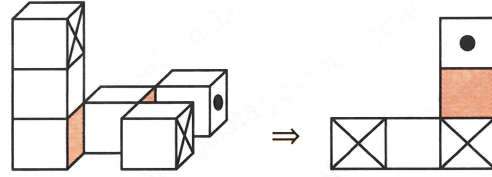
Şekildeki tuğlaların hepsi aynı boyuttadır.

Bu yığılda kaç tane tuğla vardır?

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

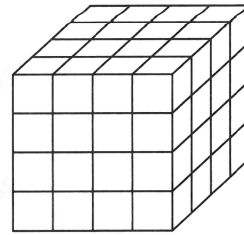
Dumlupınar – 2020

3.



İstanbul – 2018

4.



Şekildeki küp birbirine eş 64 tane küçük küpten oluşmuştur. Oluşan büyük küpün tüm yüzeyleri maviye boyansın.

Üç yüzü boyalı kaç küçük küp olur?

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

Harran – 2019

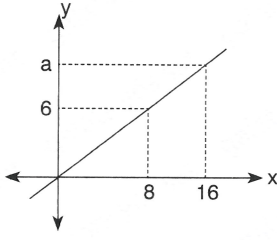
ÜNİTE 10

Unit 10

Grafikler

Graphics

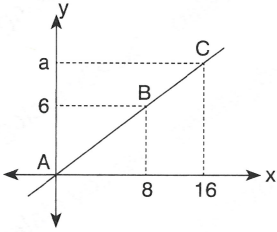
1.



a = ?

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

Çözüm:

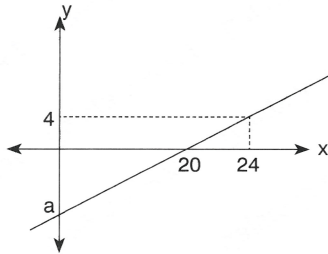


	x	y
A	0	0
B	8	6
C	16	a

$$\begin{aligned}
 A = (x_1, y_1) &= (0, 0) \\
 B = (x_2, y_2) &= (8, 6) \\
 C = (x_3, y_3) &= (16, a)
 \end{aligned}
 \left. \begin{aligned}
 &= \frac{y_2 - y_1}{x_2 - x_1} = \frac{6 - 0}{8 - 0} = \frac{3}{4} = m \\
 &= \frac{y_3 - y_2}{x_3 - x_2} = \frac{a - 6}{16 - 8} = \frac{a - 6}{8} = \frac{3}{4} = m
 \end{aligned} \right\}$$

$$\begin{aligned}
 \Rightarrow 4(a - 6) &= 8 \cdot 3 \Rightarrow 4a - 24 = 24 \\
 \Rightarrow 4a &= 48 \\
 \Rightarrow a &= 12
 \end{aligned}$$

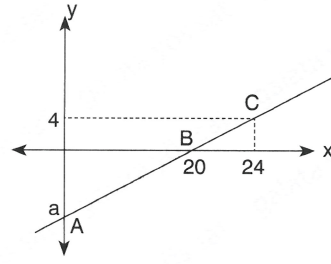
2.



a = ?

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

Çözüm:

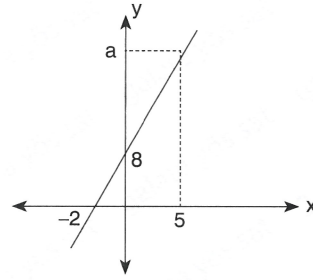


	x	y
A	0	a
B	20	0
C	24	4

$$\begin{aligned}
 A = (x_1, y_1) &= (0, a) \\
 B = (x_2, y_2) &= (20, 0) \\
 C = (x_3, y_3) &= (24, 4)
 \end{aligned}
 \left. \begin{aligned}
 &= \frac{y_2 - y_1}{x_2 - x_1} = \frac{0 - a}{20 - 0} = m \\
 &= \frac{y_2 - y_3}{x_2 - x_3} = \frac{0 - 4}{20 - 24} = m
 \end{aligned} \right\}$$

$$\begin{aligned}
 \Rightarrow \frac{-a}{20} &= \frac{0 - 4}{24 - 20} \\
 \Rightarrow \frac{-a}{20} &= \frac{-4}{4} \Rightarrow -a = -20
 \end{aligned}$$

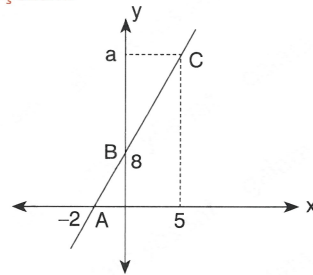
3.



a = ?

- A) 20 B) 24 C) 26 D) 28 E) 30

Çözüm:

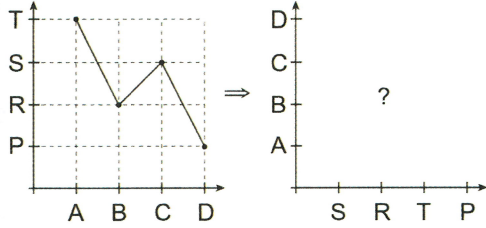


	x	y
A	-2	0
B	0	8
C	5	a

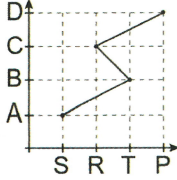
$$\begin{aligned}
 A = (x_1, y_1) &= (-2, 0) \\
 B = (x_2, y_2) &= (0, 8) \\
 C = (x_3, y_3) &= (5, a)
 \end{aligned}
 \left. \begin{aligned}
 &= \frac{y_2 - y_1}{x_2 - x_1} = \frac{8 - 0}{0 - (-2)} = \frac{8}{2} = 4 = m \\
 &= \frac{y_3 - y_2}{x_3 - x_2} = \frac{a - 8}{5 - 0} = m
 \end{aligned} \right\}$$

$$\begin{aligned}
 \Rightarrow \frac{a - 8}{5} &= 4 \Rightarrow a - 8 = 20 \Rightarrow a = 28
 \end{aligned}$$

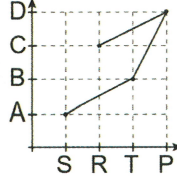
1.



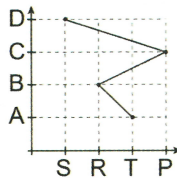
A)



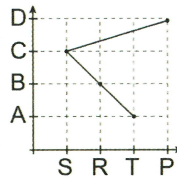
B)



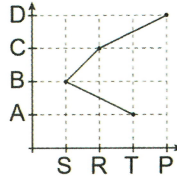
C)



D)

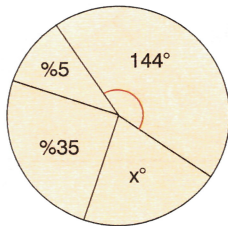


E)



Dumlupınar – 2020

2.

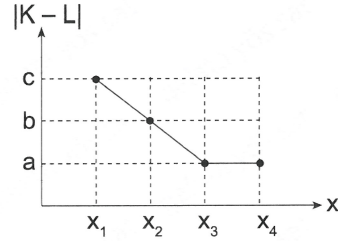
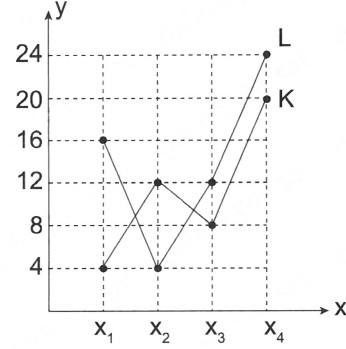


$x = ?$

- A) 42° B) 51° C) 64° D) 72° E) 80°

Yıldız Teknik – 2016

3.

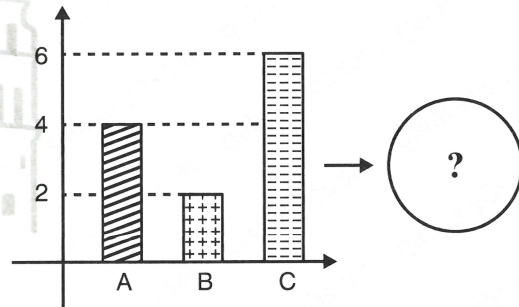


$\Rightarrow a + b + c = ?$

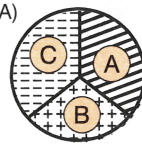
- A) 24 B) 28 C) 32 D) 36 E) 40

Dumlupınar – 2018

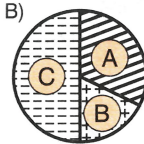
4.



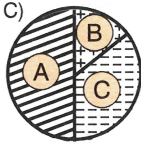
A)



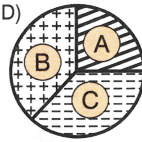
B)



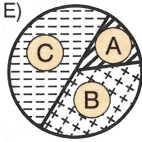
C)



D)



E)



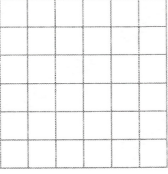
İstanbul – 2016

ÜNİTE 11

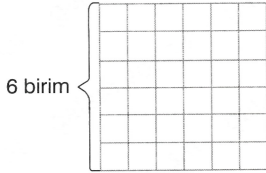
Unit 11

Çevre ve Alan

Perimeter And Area

1.  $\square = 1$ birim
 $\square = 1$ birim
 Çevre = ?
- A) 24 B) 25 C) 26 D) 27 E) 28

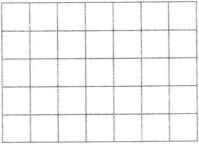
Çözüm:



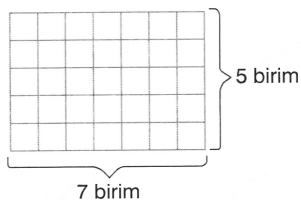
Verilen şekil karedir. Karenin çevresi için bir kenarı x birim ise;

$$\text{Çevre} = 4 \cdot x \Rightarrow x = 6$$

$$\text{Çevre} = 4 \cdot x = 4 \cdot 6 = 24 \text{ birim}$$

2.  $\square = 1$ birim
 $\square = 1$ birim
 Çevre = ?
- A) 21 B) 22 C) 23 D) 24 E) 25

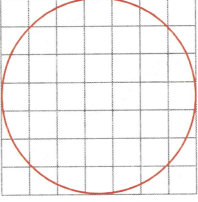
Çözüm:



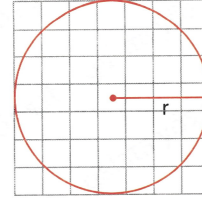
Verilen şekil dikdörtgendir. Çevresi için iki farklı kenar uzunluğu vardır.

$$\text{Çevre} = 2 \cdot (a + b) \Rightarrow a = 5 \quad b = 7$$

$$\text{Çevre} = 2 \cdot (5 + 7) = 24$$

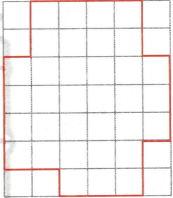
3.  $\square = 1$ birim
 $\square = 1$ birim ($\pi = 3$)
 Çevre = ?
- A) 19 B) 20 C) 21 D) 22 E) 23

Çözüm:

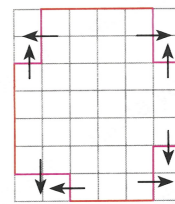


Verilen şekil dairedir. Dairenin çevresi = $2\pi r$ dir.

$$\frac{7}{2} = r = 3,5 \text{ birim} \Rightarrow \text{Çevre} = 2 \cdot 3 \cdot \frac{7}{2} = 21 \text{ birim}$$

4.  $\square = 1$ birim
 $\square = 1$ birim
 Çevre = ?
- A) 22 B) 23 C) 24 D) 25 E) 26

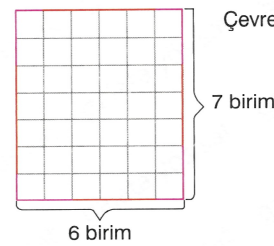
Çözüm:



Bu tarz çevre sorularında çevresini kolaylıkla hesaplayabileceğimiz geometrik şekil haline (kare, dikdörtgen vb) getirirsek çevre hesabı kolaylaşır.

Kırmızı ile çizdiğimiz uzunluklar ok yönünde taşırırsak şekil dikdörtgen olur.

$$\text{Çevre} = 2x(7 + 6) = 26$$



ÜNİTE 12

Unit 12

KLM

KLM

1.
$$\begin{array}{r} A76 \\ + 1C \\ \hline 3B0 \end{array} \quad \frac{A+B}{C} = ?$$

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

Çözüm:

$$\begin{array}{r} A76 \\ + 1C \\ \hline 3B0 \end{array} \quad 6 + C = 10 \rightarrow C = 4$$

$$\begin{array}{r} A76 \\ + 14 \\ \hline 3B0 \end{array} \quad \begin{array}{l} \text{elde} \\ \downarrow \\ 7 + 1 + 1 = B \rightarrow B = 9 \end{array}$$

$$\begin{array}{r} A76 \\ + 14 \\ \hline 390 \end{array} \quad \rightarrow A = 3$$

$$\frac{A+B}{C} = \frac{3+9}{4} = 3$$

3.
$$\begin{array}{r} 1A \\ + B4 \\ \hline 46 \end{array} \quad A \cdot B = ?$$

- A) 5 B) 6 C) 9 D) 10 E) 12

Çözüm:

$$\begin{array}{r} 1A \\ + B4 \\ \hline 46 \end{array} \quad A + 4 = 6 \Rightarrow A = 2$$

$$1 + B = 4 \Rightarrow B = 3$$

$$A \cdot B = 2 \cdot 3 = 6$$

2.
$$\begin{array}{r} A8 \\ + 3B \\ \hline 65 \end{array} \quad B - A = ?$$

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

Çözüm:

$$\begin{array}{r} A8 \\ + 3B \\ \hline 65 \end{array} \quad B + 8 = 15 \rightarrow B = 7$$

$$\begin{array}{r} \text{(elde)} \\ \uparrow \\ A + 3 + 1 = 6 \rightarrow A = 2 \end{array}$$

$$B - A = 7 - 2 = 5$$

4.
$$\begin{array}{r} A84 \\ + 2BC \\ \hline 463 \end{array} \quad C - B - A = ?$$

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

Çözüm:

$$\begin{array}{r} A84 \\ + 2BC \\ \hline 463 \end{array}$$

$$4 + C = 13 \Rightarrow C = 9$$

$$8 + B + 1 = 16 \Rightarrow B = 7$$

(elde)

$$A + 2 + 1 = 4 \Rightarrow A = 1$$

(elde)

$$C - B - A = 9 - 7 - 1 = 1$$

1.
$$\begin{array}{r} XYZ \\ - KZY \\ \hline ZXX \end{array}$$

$Z - Y = 2$

$\Rightarrow Z + Y = ?$

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

2.
$$\begin{array}{r} \dots \\ \times \quad k4 \\ \hline \dots 6 \\ + \dots 1 \\ \hline \dots \end{array}$$

$\Rightarrow k = ?$

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

3.
$$\begin{array}{r} ab \\ ac \\ ba \\ + bc \\ \hline 268 \end{array}$$

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

- A) 128 B) 228 C) 328 D) 368 E) 398

4.
$$\begin{array}{r} a \mid b \\ - \quad \mid 5 \\ \hline 6 \end{array}$$

$\Rightarrow \min(a) = ?$

- A) 38 B) 39 C) 40 D) 41 E) 42

5.
$$\begin{array}{r} K \mid 3L - 8 \\ - \quad \mid 5 \\ \hline 4 - L \end{array}$$

$\Rightarrow L = ?$

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

6.
$$\begin{array}{r} a \mid b \\ - \quad \mid 5 \\ \hline 7 \end{array} \quad \begin{array}{r} b \mid 3 \\ - \quad \mid z \\ \hline 1 \end{array}$$

$\Rightarrow a = ?$

- A) $5z + 7$ B) $3z + 1$ C) $10z + 7$
D) $15z + 7$ E) $15z + 12$

7.
$$\begin{array}{r} K \mid 7 \\ - \quad \mid L \\ \hline 4 \end{array} \quad \begin{array}{r} K \mid L + 6 \\ - \quad \mid 5 \\ \hline 6 \end{array}$$

$\Rightarrow K = ?$

- A) 96 B) 106 C) 116 D) 126 E) 136

8.
$$\begin{array}{r} ABC7 \mid ABC \\ - \quad \mid L \\ \hline K \end{array}$$

$\Rightarrow K + L = ?$

- A) 11 B) 15 C) 17 D) 19 E) 27

