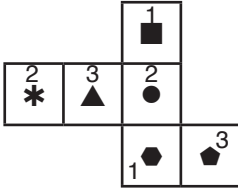


## ÇÖZÜMLER

1.  $4 \times 3 = 12$   
 $5 \times 3 = 15$   
 $7 \times 3 = 21$   
 $9 \times 3 = 27$   
 $11 \times 3 = 33$

2.



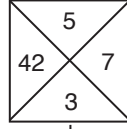
3.  $36 = 12 + 12 + 6 + 6$   
 (ön) (karşı) (orta)

Cevap: B

Cevap: A

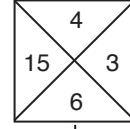
Cevap: B

4.



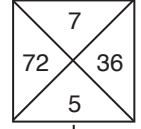
$$(42 \div 7) + (5 \cdot 3)$$

$$6 + 15 = 21$$



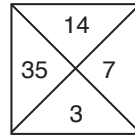
$$(15 \div 7) + (4 \cdot 6)$$

$$5 + 24 = 29$$



$$(72 \div 36) + (7 \cdot 5)$$

$$2 + 35 = 37$$



$$\rightarrow (35 \div 7) + (14 \cdot 3)$$

$$= 5 + 42 = 47 \text{ bulunur.}$$

Cevap: D

5.

$$5 \cdot 2 + \frac{9}{3} - (4)^2 = 10 + 3 - 16$$

$$= 13 - 16$$

$$= -3$$

Cevap: B

6.

$$7 \cdot 4 + \frac{x}{3} - (2)^2 = 28 + \frac{x}{3} - 4 = 26$$

$$24 + \frac{x}{3} = 26 = 26$$

$$\frac{x}{3} = 2 = 2$$

$$x = 6$$

Cevap: D

7.  $a + c = 16$

$\Rightarrow 2b = b^2$

$2 = b$

$a \cdot b = 14$

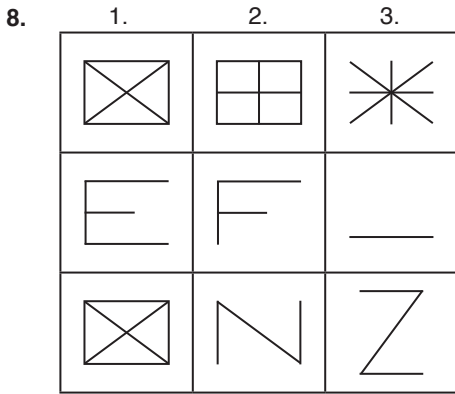
$a \cdot 2 = 14$

$a = 7$

$a + c = 16 \Rightarrow 7 + c = 16$

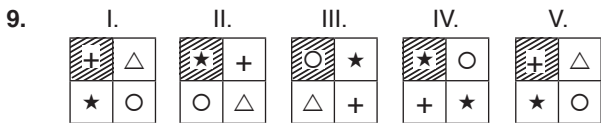
$c = 9$

Cevap: B

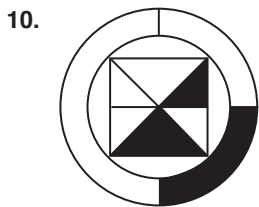


1 ile 2 üst üste getirilmiş. Ve ortak olmayan yer(ler) 3.'ye yazılmış.

Cevap: C



Cevap: D



Cevap: C

11.  $x^2 + 3$

$1, 5, 13, 29, 61, x$

$61 \cdot 2 + 3 = 122 + 3 = 125$

Cevap: D

12.

$$\begin{array}{r} \text{I} \\ 8 \times 4 = 32 \\ + 9 \times 6 = 54 \\ \hline 86 \end{array} \left| \begin{array}{l} 2 \\ 43 \end{array} \right.$$

$$\begin{array}{r} \text{II} \\ 3 \times 7 = 21 \\ + 5 \times 9 = 45 \\ \hline 66 \end{array} \left| \begin{array}{l} 2 \\ 33 \end{array} \right.$$

$$\begin{array}{r} \text{III} \\ 11 \times 5 = 55 \\ + 13 \times 7 = 91 \\ \hline 146 \end{array} \left| \begin{array}{l} 2 \\ 73 \end{array} \right. \text{ bulunur}$$

Cevap: C

13.  $325 \rightarrow 6.7 (3.2) \cdot (1+5)$

$417 \rightarrow 4.8$

$523 \rightarrow 10.5$

$(1.2) \cdot (2 + 4) = 2,6$

Cevap: B

14.

I	II	
İNEK	3412	E = 3
KENE	1234	K = 4
ENİK	3214	İ = -1
EKİN	4323	N = 2
NİNE	2123	

Cevap: C

15.  $a^2 \Delta \sqrt{b} = a + b$

$$\begin{array}{ccc} \downarrow & \downarrow & \downarrow \\ a=3 & b=16 = 3^2 & \Delta \sqrt{16} = 9 \Delta 4 = 3 + 16 = 19 \end{array}$$

Cevap: A

16.  $x * x = 3x - 5.x + 9 = x$

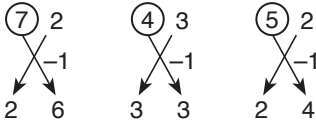
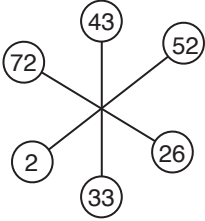
$$9 - 2x = x$$

$$9 = 3x$$

$$x = 3$$

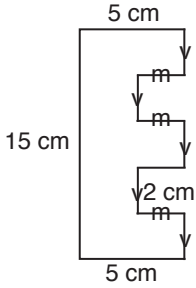
Cevap: C

17.



Cevap: C

18.



$$5.V = 15$$

$$4.m = 4.2 = 8$$

$$15 + 5 + 15 + 8 + 5 = 48$$

Cevap: A

19.  $\left(\frac{1}{2} + 3^2\right).3$

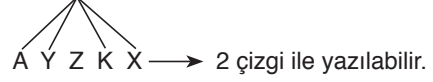
$$= \left(\frac{1}{2} + 9\right).3 = \frac{3}{2} + 27$$

$$= \frac{3 + 54}{2}$$

$$= \frac{57}{2}$$

Cevap: E

20. 3 çizgi ile yazılabilir.



Cevap: E

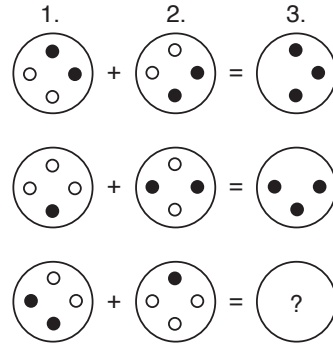
21.  $6.7 + 10.2 = 62$

$$11.12 + 3.6 = 150$$

$$17.5 + 2.10 = 105$$

Cevap: E

22.



1. ve 2.'yi topla. Siyah olanları 3'e yaz.

Cevap: E

23.  $a.b = c$

$$a.c = b^2$$

$$c^2 = 27$$

$$\frac{b}{c} \neq \frac{c}{b^2}$$

$$b^3 = c^2 = 27 = 3^3$$

$$\boxed{b = 3}$$

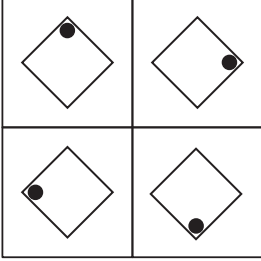
Cevap: A

24.  $\rightarrow$  birim  
 $1 \rightarrow 9$  adet  
 $4 \rightarrow 3$  adet  
 $+ 9 \rightarrow 1$  adet  

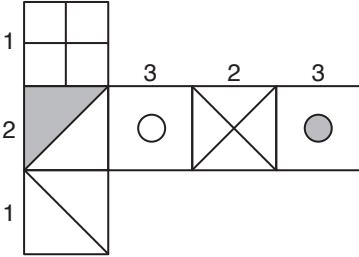


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13 adet

Cevap: C

25.  90° saat yönünde dönme

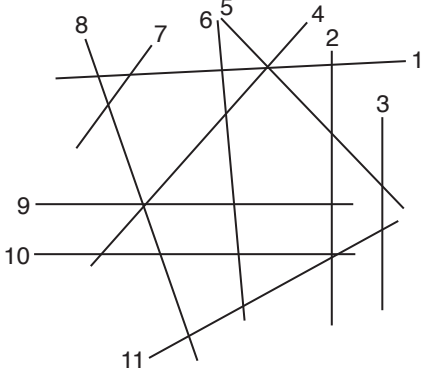
Cevap: C

26.  

Cevap: E

27. Daire dörtgenin içinde. D şıkında ise üçgenin içinde.

Cevap: D

28. 

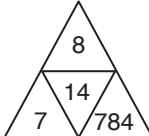
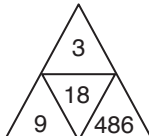
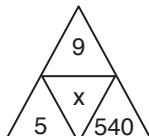
Cevap: B

29. 

7	8	4	19	1
3	14	5	22	2
2	7	x	27	3
12	29	27	68	4

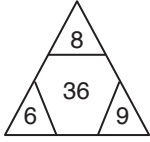
$$\begin{array}{r} 1 \\ 2 \\ + 3 \\ \hline 4 \end{array}$$

Cevap: A

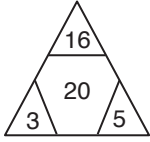
30.   $8.7.14 = 784$   
  $8.7.14 = 784$   
  $9.5.x = 540$   
 $x = 12$

Cevap: D

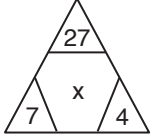
31.



$$\frac{4}{8 \cdot 6 \cdot 9} = 36$$



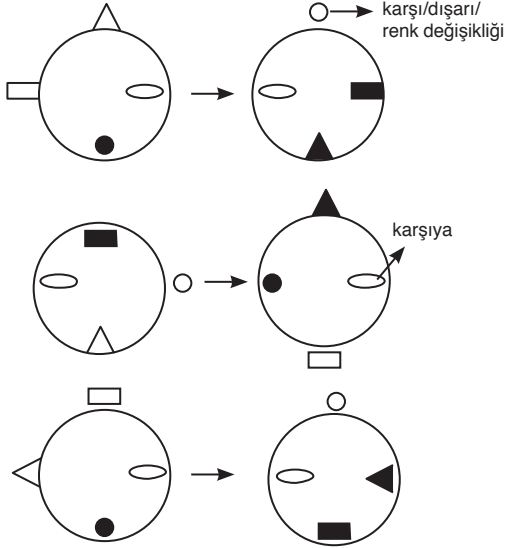
$$\frac{4}{16 \cdot 3 \cdot 5} = 20$$



$$\frac{9}{27 \cdot 7 \cdot 4} = 63$$

Cevap: D

32.



Cevap: C

$$33. 2k + \ddot{u} = 2 \cdot 3a + 5a = 6a + 5a = 11a$$

$$4\check{\text{c}} + k$$

$$4 \cdot 2a + 3a = 8a + 3a = 11a$$

$$I. \ddot{u} + 3\check{\text{c}} = 3k + z$$

$$2 \cdot 2k + 3\check{\text{c}} = k + \ddot{u} + 2\check{\text{c}}$$

$$\boxed{\ddot{u} + 2\check{\text{c}} = 3k}$$

$$\boxed{k + \check{\text{c}} = \ddot{u}}$$

$$k + \check{\text{c}} + 2a = 3k$$

$$3a + 2a = \ddot{u}$$

$$k + 3\check{\text{c}} = 3k$$

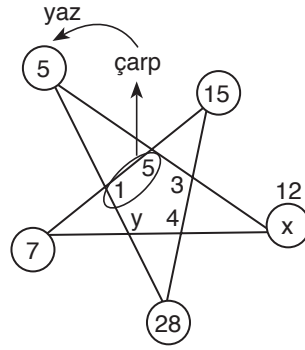
$$5a = \ddot{u}$$

$$3a = 2k$$

$$\begin{array}{cc} \downarrow & \downarrow \\ 2a & 3a \end{array}$$

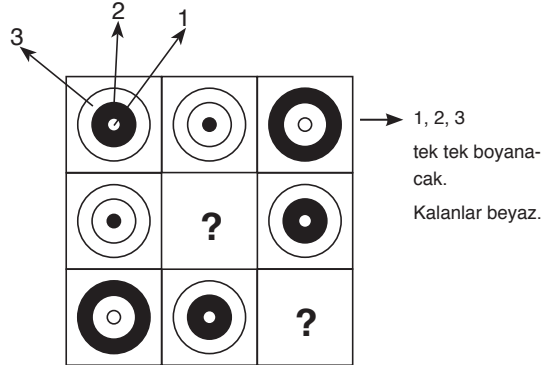
Cevap: B

34.



Cevap: E

35.



Cevap: B

36.

$$\bigcirc \rightarrow 1, \quad \square \rightarrow 4, \quad \star \rightarrow 5,$$

$$\triangle \rightarrow 3,$$

$$\blacksquare \rightarrow 8$$

$$\blacktriangle \rightarrow 6,$$

$$\bullet \rightarrow 2$$

Cevap: E

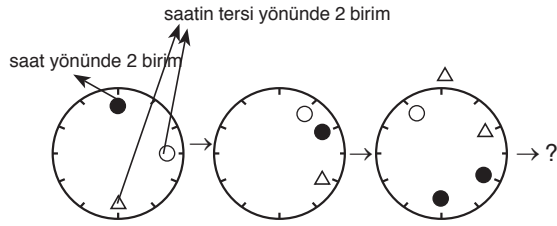
37.  $32 + 23 + x + 14 + 21 = \%100$

$x = \%10$

$\%100$	$360$
$\%10$	$?$
$? = 36^\circ$ olur.	

Cevap: D

38.



Cevap: A

39. 1. siyah altıgen çevresinde 6 beyaz altıgen bulunmakta, 2. siyah altıgen çevresinde 2.'sini saydık 4 tane var, diğer siyah altıgenlerin hepsinde 4 tane beyaz var.

O halde

$$6 + \underbrace{4 + 4 + 4 + \dots + 4}_{23 \text{ tane}}$$

$$= 6 + 4.23$$

$$= 6 + 92$$

$$= 98 \text{ tane beyaz altıgen var.}$$

Cevap: D

40.  $\frac{|11.d - 60s|}{2} = x$

$$\frac{|11.40 - 60.15|}{2} = x$$

$$\frac{10|44 - 90|}{2} = 5, 4b = \alpha$$

$$230 = \alpha$$

dar açı

$$360 - 230 = 130$$

Cevap: C