

## ÇÖZÜMLER

1.  $\boxed{4} \rightarrow \boxed{21} \rightarrow \boxed{106} \rightarrow \boxed{531} \rightarrow \boxed{?}$
- $5.4 + 1 = 21$     $21.5 + 1 = 106$     $106.5 + 1 = 531$     $531.5 + 1 = 2656$
- (5 katının bir fazlası)

Cevap: E

2. I.  $75 \xrightarrow{-3} 72 \xrightarrow{\div 3} 24 \xrightarrow{-3} 21 \xrightarrow{\div 3} 7 \xrightarrow{-3} 4$
- II.  $42 \xrightarrow{+3} 45 \xrightarrow{\div 3} 15 \xrightarrow{+3} 18 \xrightarrow{\div 3} 6 \xrightarrow{+3} 9$
- III.  $84 \xrightarrow{-3} 81 \xrightarrow{\div 3} 27 \xrightarrow{-3} 24 \xrightarrow{\div 3} 8 \xrightarrow{-3} 5$
- IV.  $60 \xrightarrow{+3} 63 \xrightarrow{\div 3} 21 \xrightarrow{+3} 24 \xrightarrow{\div 3} 8 \xrightarrow{+3} 11$

Cevap: C

3. En sondaki harften L = 2  
248312 → LETKİL  
E = 4, T = 8, K = 3, 1 = 1 olur.  
312843 → KİLTEK

Cevap: B

4.  $a^2 \bullet b^3 = 2a + 3b$

$a \blacksquare \frac{b}{3} = 4a + 3b$

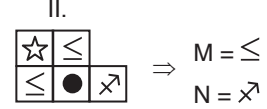
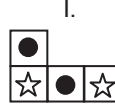
$(4 \blacksquare 1) = 4.4 + 3.3 = 16 + 9 = 25$

$a \frac{b}{3} = 1$   
 $b = 3$

$25 \bullet 27 = 2.5 + 3.3 = 10 + 9 = 19$   
 $a^2 = 25 \quad b^3 = 27$   
 $a = 5 \quad b = 3$

Cevap: E

5.



Cevap: E

6.



Cevap: A

7.



Cevap: E

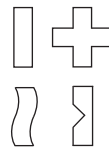
8.

$\square \rightarrow$  yerinde duruyor.

$\} \rightarrow$  saat yönünde bir ilerliyor.

$\} \rightarrow$  saat yönünde bir ilerliyor.

$\oplus \rightarrow$  saat yönünde bir ilerliyor.



Cevap: C

Diğer Sayfaya Geçiniz.



Cevap: C

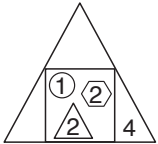
10.  $\alpha = \left| \frac{11 \cdot \text{dk} - 60 \cdot \text{saat}}{2} \right|$

$$\alpha = \left| \frac{11 \cdot 30 - 60 \cdot 1}{2} \right|$$

$$\alpha = 135^\circ \text{ dar açı}$$

$$\alpha = 360 - 135 = 225$$

11. ○ → içinin karesi  
 ⬡ → içinin 6 katı  
 △ → içinin 3 katı  
 □ → içindekilerin toplamı



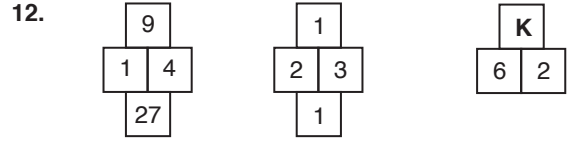
$$\rightarrow 3((1^2 + 6 \cdot 2 + 2 \cdot 3) + 4)$$

$$\rightarrow 3 \cdot ((1 + 12 + 6) + 4)$$

$$\rightarrow 3 \cdot (23)$$

$$\rightarrow 69$$

Cevap: D



$$(4 - 1)^2 = 9$$

$$(4 - 1)^3 = 27$$

$$(3 - 1)^2 = 1$$

$$(3 - 1)^3 = 1$$

$$K = (6 - 2)^2 = 16$$

$$L = (6 - 2)^3 = 64$$

Cevap: D

13. I. tablo

$$a + a = \frac{a^2}{4}$$

$$8a = a^2$$

$$8a = a$$

$$a + c = 11$$

$$8 + c = 11$$

$$c = 3$$

II. tablo

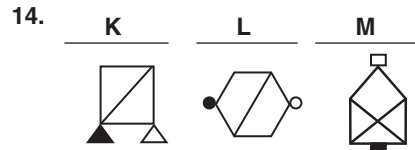
$$b \cdot c = 45$$

$$b = 15$$

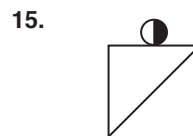
$$a + b + c = 8 + 15 + 3 = 26$$

Cevap: A

Cevap: D



Cevap: E



Cevap: A

16.

★	6	5	4	
4	16	4	1	→ I. satır
2	16	8	4	→ II. satır
3	27	9	3	→ III. satır

$$\left. \begin{array}{l} 4^{6-4} = 4^2 = 16 \\ 4^{5-4} = 4^1 = 4 \\ 4^{4-4} = 4^0 = 1 \end{array} \right\} \text{I. satır}$$

$$\left. \begin{array}{l} 2^{6-2} = 2^4 = 16 \\ 2^{5-2} = 2^3 = 8 \\ 2^{4-2} = 2^2 = 4 \end{array} \right\} \text{II. satır}$$

$$\left. \begin{array}{l} 3^{6-3} = 3^3 = 27 \\ 3^{5-3} = 3^2 = 9 \\ 3^{4-3} = 3^1 = 3 \end{array} \right\} \text{III. satır}$$

$$K = 1 \text{ ve } L = 9$$

$$17. A = 15 - 8 = 7$$

$$B = 15.9 = 135 \text{ olur.}$$

18.

$$\begin{array}{r} a + b = 50 \\ b + c = 30 \\ + \quad a + c = 44 \\ \hline \end{array}$$

$$2(a + b + c) = 124$$

$$a + b + c = 62 \text{ bulunur.}$$

$$19. \bullet \rightarrow a, \blacktriangle \rightarrow b, \star \rightarrow c$$

$$I \rightarrow 2a = 4b \Rightarrow a = 2b$$

$$a = 2k, b = k$$

$$II \rightarrow 3c = a + 2b = 4k$$

$$III \rightarrow 2a + b = 4k + k = 5k = ?$$

seçeneklerden C

$$\blacktriangle \star \star \star \rightarrow b + (3c)$$

↓

$$k + 4k = 5k$$

Cevap: C

20.

$$\frac{(\text{Gri})^2 + (\text{Siyah})^3 - (\text{beyaz})^3}{(\text{Tüm şekiller x Gri}) + (\text{Siyah x beyaz})}$$

$$II \rightarrow \frac{2^2 + 4^3 - 2^3}{8.2 + 4.2} = \frac{60}{24}$$

$$= \frac{15}{4}$$

$$III \rightarrow \frac{3^2 + 7^3 - 6^3}{16.3 + 7.6} = \frac{68}{45}$$

Cevap: C

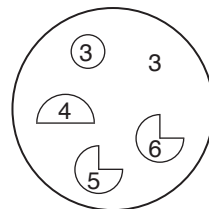
Cevap: E

Cevap: A

$$21. \bigcirc \rightarrow \text{içindeki}$$

$$\text{◐} \rightarrow \text{içindekinin yarısı}$$

$$\text{◑} \rightarrow \text{içindekinin } \frac{3}{4} \text{'ü}$$



$$\rightarrow \frac{3}{1} + \frac{3}{2} + \frac{4}{2} + \frac{15}{4} + \frac{18}{4}$$

$$= \frac{12 + 6 + 8 + 15 + 18}{4}$$

$$= \frac{59}{4}$$

Cevap: C

22.



Cevap: E

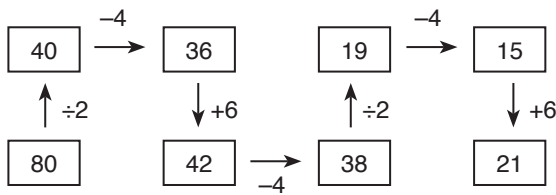
23.



Üst üste toplanmış karedeki siyahlar beyaz beyazlar siyah olmakta.

Cevap: B

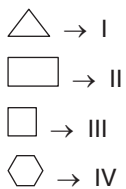
24.



$$A - B = 36 - 19 \\ = 17 \text{ bulunur.}$$

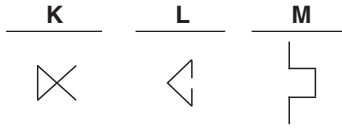
Cevap: B

25.



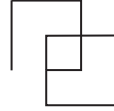
Cevap: C

26.



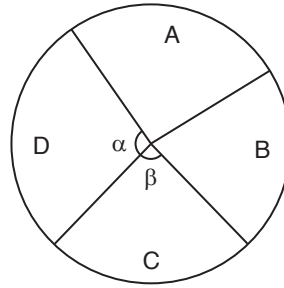
Cevap: A

27.



Cevap: D

28.



$$A + B + C + D = 1$$

$$\frac{1}{3} + \frac{1}{5} + \alpha + \beta = 1$$

$$\alpha + \beta = 1 - \frac{8}{15}$$

$$\alpha + \beta = \frac{7}{15} = \frac{168}{360}$$

$$\alpha + \beta = 168$$

$$\alpha - \beta = 32$$

$$2b = 136 \Rightarrow \beta = 68^\circ$$

Cevap: E

29. Üçgen içindeki sayının kendisi hariç tam bölenleri

$$27 \rightarrow 1, 9, 3$$

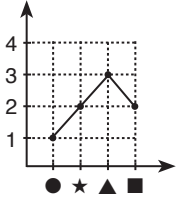
$$23 \rightarrow 1$$

$$10 \rightarrow 1, 5, 2$$

$$16 \rightarrow 1, 8, 4, 2$$

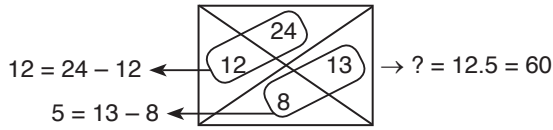
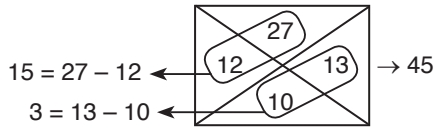
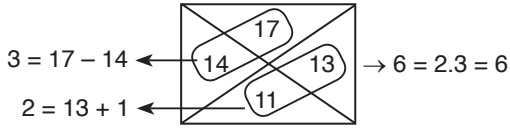
Cevap: D

30.



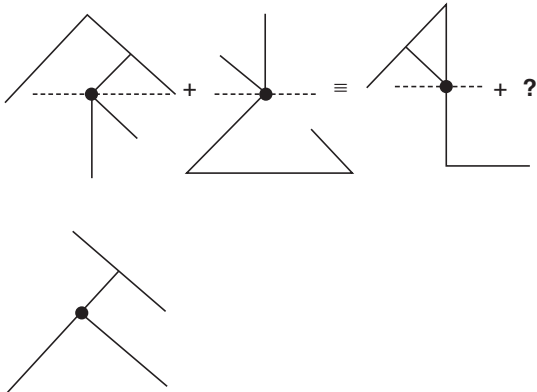
Cevap: C

31.



Cevap: E

32.



Cevap: B

33.

- # ♥ = △  
 △ # ■ = ☒  
 ☒ # ▲ = ♥  
 ☒ # ♥ = ☒

Cevap: B

34.



Cevap: C

35. Kurala göre

$$c = 14$$

$$\frac{d+c}{a+c} = \frac{10}{9}$$

$$d = 6$$

$$\frac{6+14}{a+14} = \frac{10}{9}$$

$$\frac{20}{a+14} = \frac{10}{9} = \frac{20}{18}$$

$$a+14 = 18 \Rightarrow a = 4$$

Cevap: A

36.

$$1 \mid 11 \rightarrow \text{sol} \rightarrow \text{sağ 10 fazlası}$$

$$4 \mid 8 \rightarrow \text{sol} \rightarrow \text{sağ 2 katı}$$

$$7 \mid 5 \rightarrow \text{sol} \rightarrow \text{sağ 2 eksiği}$$

$$4 \mid 14$$

$$6 \mid 12$$

$$8 \mid 6$$

$$2 \mid 12$$

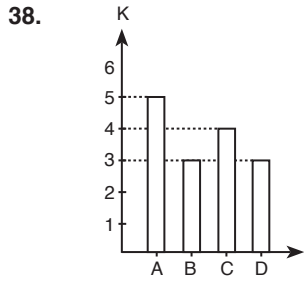
$$5 \mid 10$$

$$9 \mid 7$$

Cevap: E

37.  $1 \rightarrow 2$   
 $3 \rightarrow 6$   
 $4 \rightarrow 5$

Cevap: A



A

$$K - L = 4$$

$$K + L = 6$$

$$2K = 10 \Rightarrow K = 5$$

B

$$K - L = 2$$

$$K + L = 4$$

$$2K = 6 \Rightarrow K = 3$$

C

$$K - L = 6$$

$$K + L = 2$$

$$2K = 8 \Rightarrow K = 4$$

D

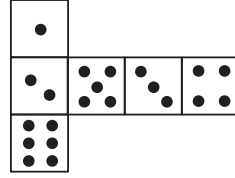
$$K - L = 1$$

$$K + L = 5$$

$$2K = 10 \Rightarrow K = 5$$

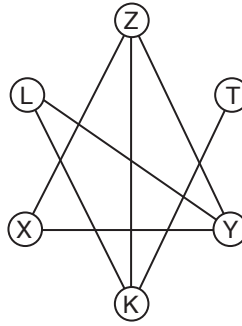
Cevap: D

39.  $1 \rightarrow 6$   
 $5 \rightarrow 4$   
 $3 \rightarrow 2$



Cevap: D

40.



Cevap: D