

ÇÖZÜMLER

- 1.

Cevap: C

$$2. \frac{a}{3} \star \frac{b}{4} = \frac{2a+b}{4}$$

$$2 \star 3 = ?$$

$$\left. \begin{array}{l} \frac{a}{3} = 2 \Rightarrow a = 6 \\ \frac{b}{4} = 3 \Rightarrow b = 12 \end{array} \right\} = \frac{2 \cdot 6 + 12}{4} = \frac{24}{4} = 6$$

$$4 \star 5 =$$

$$\left. \begin{array}{l} \frac{a}{3} = 4 \Rightarrow a = 12 \\ \frac{b}{4} = 5 \Rightarrow b = 20 \end{array} \right\} = \frac{2 \cdot 12 + 20}{4} = \frac{44}{4} = 11$$

$$6 \bullet 11 = ?$$

$$\sqrt{a} \bullet (2b + 1) = a + b = 36 + 5 = 41$$

$$\begin{array}{l} \sqrt{a} = 6 \\ a = 36 \end{array} \quad \begin{array}{l} 2b + 1 = 11 \\ 2b = 10 \\ b = 5 \end{array}$$

$$3. \text{ I} \rightarrow \square$$

$$\text{II} \rightarrow \square$$

$$\text{III} \rightarrow \triangle$$

$$\text{IV} \rightarrow \smile$$

Cevap: C

4. Karşılıklı yüzeyler

$$1 \rightarrow 3$$

$$2 \rightarrow 5$$

$$4 \rightarrow 6$$

Cevap: A

5. $\bigcirc \rightarrow$ içindekinin yarısı
 $\hexagon \rightarrow$ içindekinin 6 katı
 $\triangle \rightarrow$ içindekinin 3 katı
 $\square \rightarrow$ içindekinin dörtte biri

$$\text{II} \rightarrow 3 \left(\frac{\frac{16}{2} + \frac{16}{4} + 3 \cdot 4}{4} \right) = \left(\frac{8 + 4 + 12}{4} \right) = 3 \cdot 6 = 18$$

$$\text{III} \rightarrow 6 \cdot \left(\frac{\left(\frac{28}{4} + \frac{14}{2} + 3 \cdot 1 + 6 \cdot \frac{1}{6} \right)}{4} \right) = 6 \cdot \left(\frac{7 + 7 + 3 + 1}{2} \right) = 6 \cdot \frac{18}{2} = \frac{27}{2}$$

Cevap: C

6. Tablodan

$$a \cdot c = 12$$

$$a \cdot b = 20$$

$$x \quad b \cdot c = 18$$

$$a^2 \cdot b^2 \cdot c^2 = 12 \cdot 20 \cdot 18$$

$$(a \cdot b \cdot c)^2 = 4 \cdot 3 \cdot 4 \cdot 5 \cdot 3 \cdot 6$$

$$= 4 \cdot 3 \cdot \sqrt{30}$$

$$= 12\sqrt{30}$$

Cevap: A

7. I. tablodan

$$a + b = 2c$$

$$b + c = 4b$$

$$c = 3b$$

$$a + b = 2 \cdot 3b = 6b$$

$$a = 5b$$

$$\Rightarrow a \cdot c = 5b \cdot 3b = 60$$

$$b^2 = \frac{60}{15} = 4$$

$$b = 2 \text{ olur.}$$

II. tablodan

$$a \cdot c = 60$$

Cevap: B

8. Verilen şekilden

$$a^3 = 8 \Rightarrow a = 2$$

$$a.c^2 = 32 \Rightarrow c^2 = 16$$

$$c = 4$$

$$(c + b)^2 = 49$$

$$c + b = 7$$

$$4 + b = 7 \Rightarrow b = 3$$

$$K = a^2 + 3c + 2b$$

$$K = 2^2 + 3.4 + 2.3$$

$$= 4 + 12 + 6$$

$$= 22 \text{ bulunur.}$$

Cevap: C

9. Tablodan

II

$$A \rightarrow \triangle$$

A	A	→	△	△
B	C		★	○

10. $4 \triangle 7 \rightarrow 4^2 + 7 = 23$

$$5 \triangle 2 \rightarrow 5^2 + 2 = 27$$

$$7 \triangle 4 \rightarrow 7^2 + 4 = 53$$

$$8 \triangle 1 \rightarrow 8^2 + 1 = 65 = x$$

Cevap: C

11. $M \rightarrow \odot$

II

■	⊙	→	K	M
⊕	⊙		L	M

Cevap: D

12. $8 * 9 \Rightarrow 8.7 = 72 \rightarrow 7.2 = 14$

$$7 * 8 \Rightarrow 7.8 = 56 \rightarrow 5.6 = 30$$

$$6 * 7 \Rightarrow 6.7 = 42 \rightarrow 4.2 = 8$$

$$5 * 6 \Rightarrow 5.6 = 30 \rightarrow 3.0 = 0$$

Cevap: B

13. NATAR → 91817

$$A \rightarrow 1, N \rightarrow 9, T \rightarrow 8, R \rightarrow 7$$

$$AKSEL \rightarrow 13254$$

$$K \rightarrow 3, S \rightarrow 2, E \rightarrow 5, L \rightarrow 4$$

$$ERTAN \rightarrow 57819$$

Cevap: D

Cevap: C

14. Son harflerden

$$K \rightarrow 6$$

$$KIRMAK \rightarrow 607536$$

$$I \rightarrow 0, R \rightarrow 7, M \rightarrow 5, A \rightarrow 3$$

$$ASERİK \rightarrow 389726$$

$$S \rightarrow 8, E \rightarrow 9, İ \rightarrow 2$$

$$MERİMA \rightarrow 597253$$

$$TASARI 138370$$

$$A \rightarrow 3, T \rightarrow 1$$

Cevap: D

Cevap: C

15.

$$\frac{I.}{5 - 4 = 1}$$

$$1.2 = 2$$

$$\frac{II.}{4 - 6 = -2}$$

$$(-2).3 = -6$$

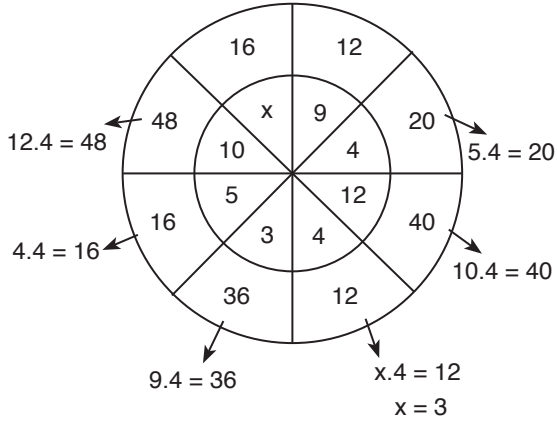
$$\frac{III.}{8 - 3 = 5}$$

$$5.1 = 5$$

Cevap: E

Cevap: D

16.



Cevap: C

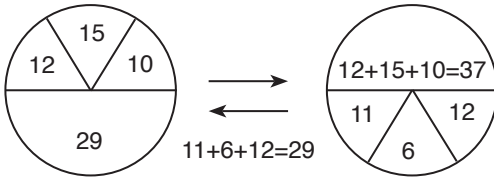
17.



18. $33 \times 7 = 231$
 $39 \times 8 = 312$
 $45 \times 9 = 405$
 $51 \times 10 = 510$

Cevap: D

19.



Cevap: C

20.



Cevap: C

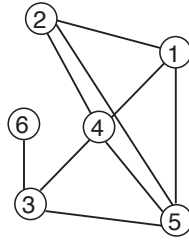
21.



Kare → Daire
 Üçgen → Kare
 Daire → Üçgen olmakta
 Koyu → Beyazlamakta
 Beyaz → Koyulaşmakta

Cevap: D

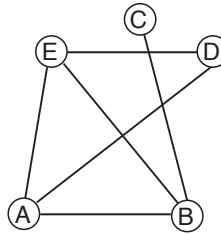
22.



X = 5 Y = 1

Cevap: B

23.



X = D Y = A

Cevap: E

24. ● → a, □ → b, △ → c

I.

$$2a = 3b$$

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

II.

$$a + b + c = 2c$$

$$\begin{array}{l} a + b = c \\ 3k + 2k = c \end{array}$$

III.

$$a + c = ?$$

$$\begin{array}{cc} \downarrow & \downarrow \\ 3k & + 5k = 8k \end{array}$$

$$a = 3k, \quad b = 2k, \quad c = 5k$$

- A) $2b = 4k$
 B) $3a = 9k$
 C) $2a + b = 8k$
 D) $2c + b = 12k$
 E) $2c + a = 13k$

Cevap: C

25. ● → a, ■ → b, ▲ → c

I.

$$3a = 4b$$

$$\begin{array}{cc} \downarrow & \downarrow \\ 4k & 3k \end{array}$$

II.

$$a + c = 2b$$

$$\begin{array}{l} 4k + c = 6k \\ c = 2k \end{array}$$

III.

$$2a = ?$$

$$\begin{array}{l} \downarrow \\ = 8k \text{ aranıyor.} \end{array}$$

$$a = 4k, \quad b = 3k$$

- A) $3b = 9k$
 B) $2c + a = 8k$
 C) $3c = 6k$
 D) $a + b + c = 9k$
 E) $b + 2c = 7k$

Cevap: B

26.

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

$$x = 5$$

Cevap: E

27.

3	2	6	4
3	2	1	5
6	4	12	8
9	6	3	15

x2

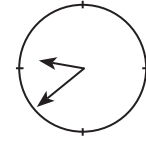
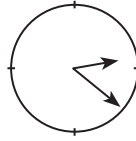
x3

Cevap: B

28.

14.20

Aynada



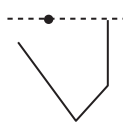
23.60

- 14.20

9.40 Aynadaki görüntüsü

Cevap: A

29.



Cevap: A

30.

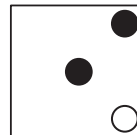


Cevap: D

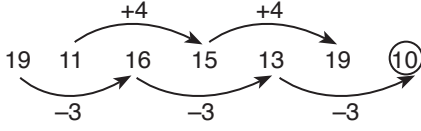
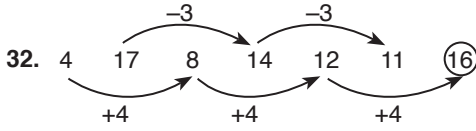
31.

$$\bullet + \bullet = \circ$$

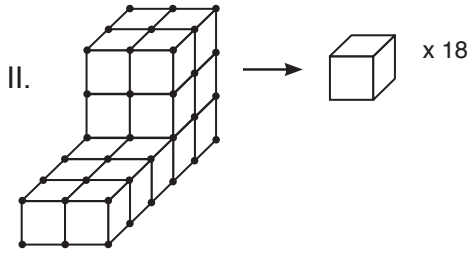
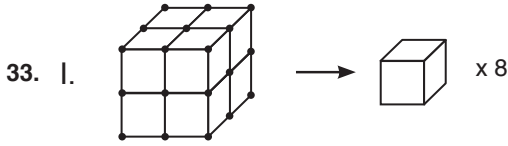
$$\circ + \circ = \bullet$$



Cevap: E



Cevap: E



Cevap: A

34.

x	y	z	x + y	y + z	x.y + x.z
3	4	6	7	10	30
a	b	c	7	14	9

$$a + b = 7$$

$$a.b + a.c = 45$$

$$b + c = 9$$

$$a \underbrace{(b + c)}_9 = 45$$

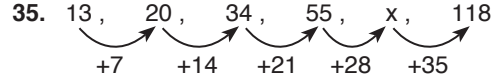
$$a = 5$$

$$5 + b = 7 \Rightarrow b = 2 \text{ ve } 2 + c = 9$$

$$c = 7$$

$$a.b.c = 5.2.7 = 70 \text{ bulunur.}$$

Cevap: E



$$55 + 28 = x$$

$$83 = x$$

Cevap: E

36. $2 \rightarrow 4$

$$5 \rightarrow 6$$

$$3 \rightarrow 1 \text{ 'dir.}$$

Cevap: B

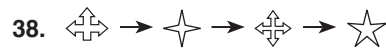
37. X \rightarrow bulunduğu sütunda 1 adım aşağı inmekte

Z \rightarrow bulunduğu satırda 1 adım simetri şekilde ilerlemekte

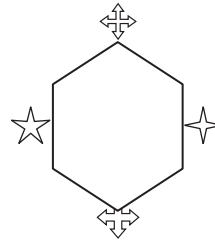
Y \rightarrow bulunduğu sütunda 1 adım yukarı yönde simetri şekilde ilerlemekte

			∧
			∑
X			

Cevap: A

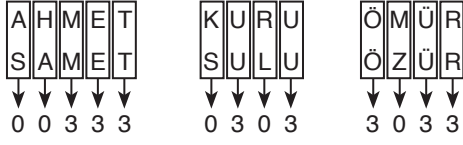


Saat yönü takip etmekte bu şıklardan C seçeneği farklıdır.



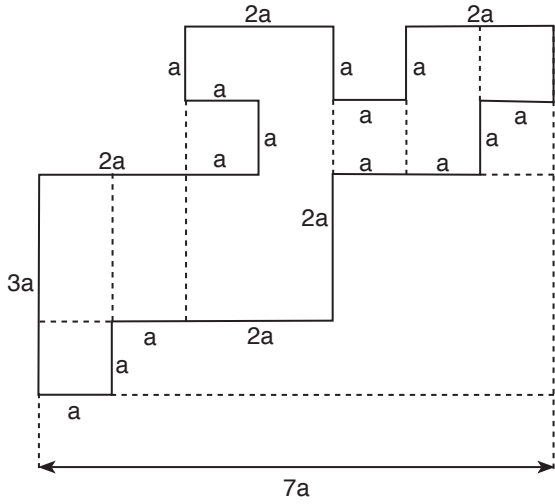
Cevap: C

39. Aynı basamaktaki harfin karşılığı 3 farklı harflerin karşılığı 0



Cevap: D

- 40.



$$\begin{aligned}
 \text{Çevre} &= 3a + 3a + a + a + a + 2a + a + a + a + 2a + \\
 &+ a + a + a + 2a + 2a + 3a + a + a \\
 &= 28a
 \end{aligned}$$

Cevap: C