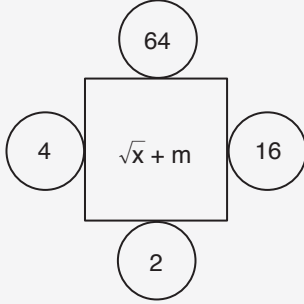


TEST - 1 ÇÖZÜMLER

1.



i) $x^3 = 64 \Rightarrow x = 4$

ii) $2.y.z = 16 \Rightarrow 8z = 16 \Rightarrow z = 2$

↓
4

iii) $\sqrt[4]{m} = 2$

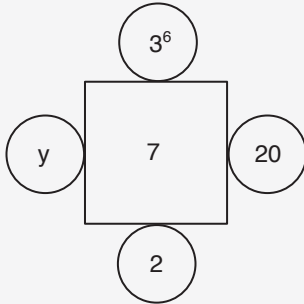
$4\sqrt{m} = 2 \Rightarrow m = 2^4$

$m = 16$

$\Rightarrow z.(\sqrt{x} + m) = 2.(\sqrt{4} + 16) = 2.18 = 36$

Cevap: A

2.



i) $x^3 = 3^6 = 9^3 \Rightarrow x = 9$

ii) $\sqrt{x} + m = 7$

$\sqrt{9} + m = 7$

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

iii) $\sqrt[4]{m} = 2$

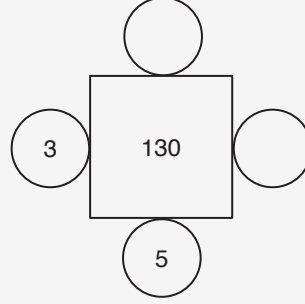
$\sqrt[4]{4} = 2 \Rightarrow y = 2$

iv) $2.y.z = 20$

$2.2.z = 20 \Rightarrow z = 5$

Cevap: C

3.



i) $\sqrt[5]{m} = 5$

$\sqrt[3]{m} = 5 \Rightarrow m = 125$

iii) $\sqrt{x} + m = 130$

$\sqrt{x} + 125 = 130$

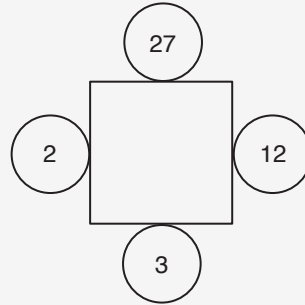
$\sqrt{x} = 5$

$x = 25$

$\Rightarrow x^3 = 25^3 = 5^6$

Cevap: D

4.



$\Rightarrow x^3 = 27 \Rightarrow x = 3$

$\Rightarrow 2.y.z = 12 \Rightarrow 4z = 12$

↓
2

$z = 3$

$\Rightarrow \sqrt[4]{m} = 3$

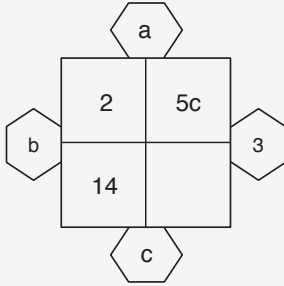
$\sqrt{m} = 3 \Rightarrow m = 9$

$\Rightarrow x.y.z.m = 3.2.3.9 = 162$

Cevap: D

TEST - 1 ÇÖZÜMLER

5.



i) $2d + c^3 = 14$

↓
3

$6 + c^3 = 14 \Rightarrow c^3 = 8 \Rightarrow c = 2$

ii) $\sqrt{a} - 2d$

↓
3

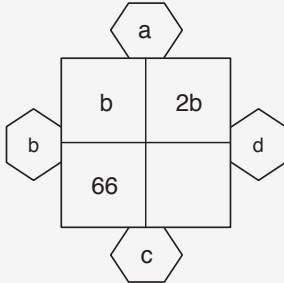
$\sqrt{a} - 6 = 2$

$\sqrt{a} = 8 \Rightarrow a = 64$

iii) $\frac{b \cdot c}{2} = 5 \cdot c \Rightarrow b = 10$

$\Rightarrow a + b + c = 64 + 10 + 2 = 76$

6.



i) $\frac{b \cdot c}{2} = 2 \cdot b \Rightarrow c = 4$

ii) $2d + c^3 = 66$

$2d + 4^3 = 66 \Rightarrow 2d = 2 \Rightarrow d = 1$

iii) $\sqrt{a} - 2d = 6$

$\sqrt{a} - 2 = 6$

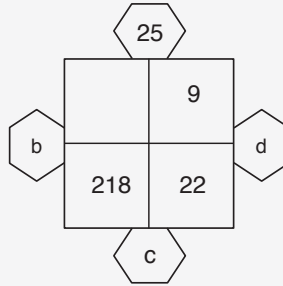
$\sqrt{a} = 8$

$a = 64$

Cevap: C

TASARI EĞİTİM YAYINLARI

7.



i) $a - b = 22$

$25 - b = 22$

$b = 3$

ii) $\frac{b \cdot c}{2} = 9$

$\frac{3 \cdot c}{2} = 9 \Rightarrow 3c = 18$
 $c = 6$

iii) $2d + c^3 = 218$

$2d + 6^3 = 218$

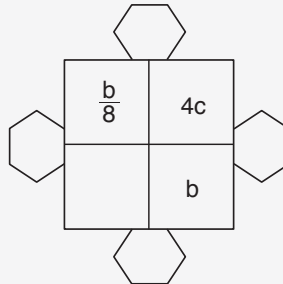
$2d + 216 = 218$

$2d = 2 \Rightarrow d = 1$

$\Rightarrow b + c + d = 3 + 6 + 1 = 10$

Cevap: B

8.



i) $\frac{b \cdot c}{2} = 4 \cdot c \Rightarrow b = 8$

ii) $a - b = b$

$a = 2b \Rightarrow a = 16$

↓
8

iii) $\sqrt{a} - 2d = \frac{b}{8}$

$\sqrt{16} - 2d = \frac{8}{8}$

$4 - 2d = 1$

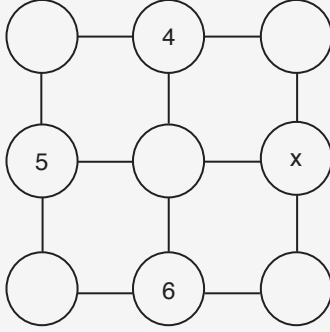
$3 = 2d \Rightarrow d = \frac{3}{2}$

Cevap: B

Cevap: B

TEST - 2 ÇÖZÜMLER

1.



i) $\frac{a-b}{2} = 4 \Rightarrow a-b = 8$

ii) $\frac{a-c}{2} = 5 \Rightarrow a-c = 10$

iii) $\frac{c-d}{2} = 6 \Rightarrow c-d = 12$

- / $a-b = 8$

$a-c = 10$

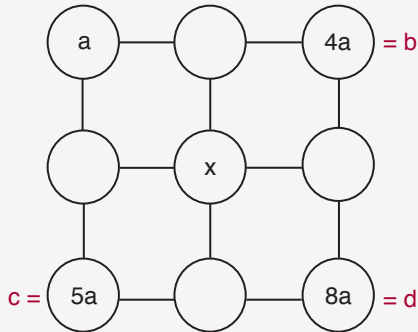
$c-d = 12$

+

$b-d = 14$

$\Rightarrow x = \frac{b-d}{2} = \frac{14}{2} = 7$

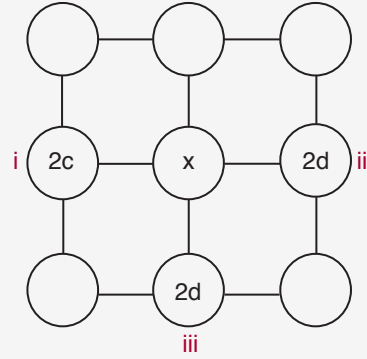
2.



$x = \frac{a-b}{c-a} = \frac{a-4a}{5a-8a} = \frac{-3a}{-3a} = 1$

Cevap: C

3.



i) $\frac{a-c}{2} = 2c \Rightarrow a-c = 4c$

$a = 5c$

ii) $\frac{b-d}{2} = 2d \Rightarrow b-d = 4d$

$b = 5d$

iii) $\frac{c-d}{2} = 2d \Rightarrow c-d = 4d$

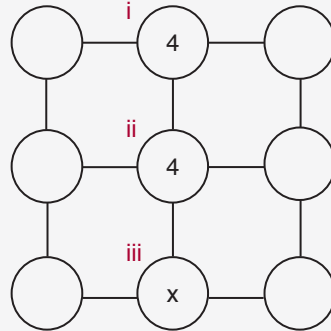
$c = 5d$

$\Rightarrow a = 5c = 5 \cdot 5d = 25d$

$x = \frac{a-b}{c-d} = \frac{25d-5d}{5d-d} = \frac{20d}{4d} = 5$

Cevap: A

4.



i) $\frac{a-b}{2} = 4 \Rightarrow a-b = 8$

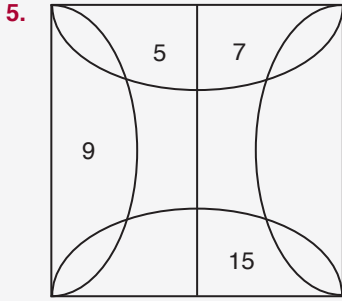
ii) $\frac{a-b}{c-d} = 4 \Rightarrow \frac{8}{c-d} = 4$

$c-d = 2$

iii) $x = \frac{c-d}{2} = \frac{2}{2} = 1$

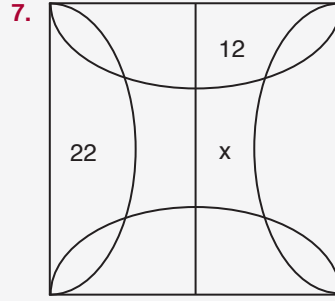
Cevap: A

TEST - 2 ÇÖZÜMLER



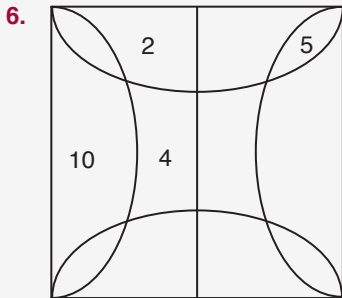
$$\Rightarrow \begin{array}{l} \text{i) } a - b = 5 \\ \quad a + b = 7 \\ \hline \quad 2a = 12 \\ \quad a = 6 \end{array} \quad \begin{array}{l} \text{ii) } a + c = 9 \\ \quad 6 + c = 9 \\ \quad c = 3 \end{array} \quad \begin{array}{l} \text{iii) } c + d = 15 \\ \quad 3 + d = 15 \\ \quad d = 12 \end{array}$$

Cevap: E



$$\begin{array}{l} \text{i) } a + b = 12 \\ \text{ii) } \quad a + c = 22 \\ \hline x = b - c = -10 \end{array}$$

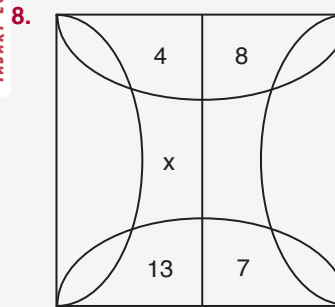
Cevap: C



$$\begin{array}{l} \text{i) } a - b = 2 \\ \quad a - 5 = 2 \\ \quad a = 7 \end{array} \quad \begin{array}{l} \text{ii) } a + c = 10 \\ \quad 7 + c = 10 \\ \quad c = 3 \end{array} \quad \begin{array}{l} \text{iii) } a - d = 4 \\ \quad 7 - d = 4 \\ \quad d = 3 \end{array}$$

$$\Rightarrow 4c - d = 4 \cdot 3 - 3 = 9$$

Cevap: D



$$\begin{array}{l} \text{i) } a - b = 4 \\ \quad a + b = 8 \\ \hline 2a = 12 \Rightarrow a = 6 \end{array}$$

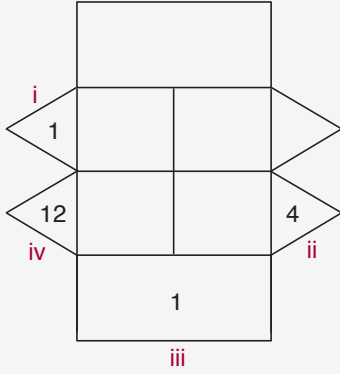
$$\begin{array}{l} \text{ii) } c + d = 13 \\ \quad c - d = 7 \\ \hline 2d = 6 \Rightarrow d = 3 \end{array}$$

$$\text{iii) } x = a - d = 6 - 3 = 3$$

Cevap: B

TEST - 3 ÇÖZÜMLER

1.



i) $c^a = 1 \Rightarrow c = 1$

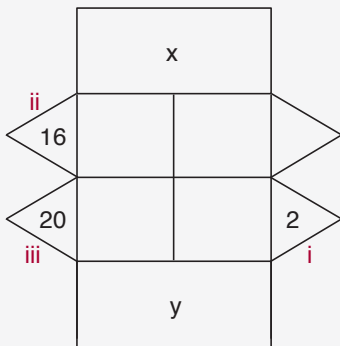
ii) $b \cdot c = 4 \Rightarrow b = 4$

iii) $b - d = 1 \Rightarrow 4 - d = 1$
 $4 \qquad \qquad \qquad d = 3$

iv) $a \cdot d = 12$
 $a \cdot 3 = 12$
 $a = 4$

Cevap: D

2.



i) $b \cdot c = 2$
 $\downarrow \downarrow$
 $1 \ 2$

ii) $c^a = 2^a = 16$
 $2^a = 2^4 \Rightarrow a = 4$

iii) $a \cdot d = 20 \Rightarrow 4d = 20$
 \downarrow
 $4 \qquad \qquad \qquad d = 5$

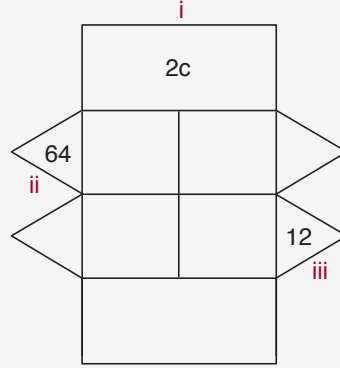
$x = a - c = 4 - 2 = 2$

$y = b - d = 1 - 5 = -4$

$\Rightarrow x - y = 2 - (-4) = 6$

Cevap: D

3.



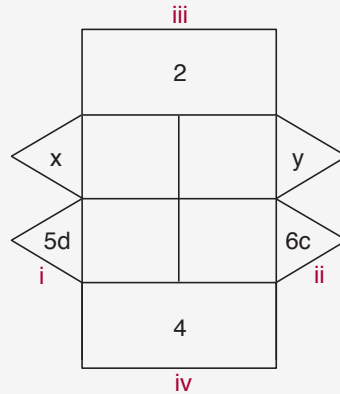
i) $a - c = 2 \cdot c \Rightarrow a = 3c$

ii) $c^a = 64$
 $c^{3c} = 2^{3 \cdot 2} \Rightarrow c = 2$

iii) $b \cdot c = 12$
 $b \cdot 2 = 12$
 $b = 6$

Cevap: E

4.



i) $a \cdot d = 5d \Rightarrow a = 5$

ii) $b \cdot c = 6c \Rightarrow b = 6$

iii) $a - c = 2$
 $5 - c = 2$
 $c = 3$

iv) $b - d = 4$
 $6 - d = 4$
 $d = 2$

$\Rightarrow x = c^a = 3^5 = 243$

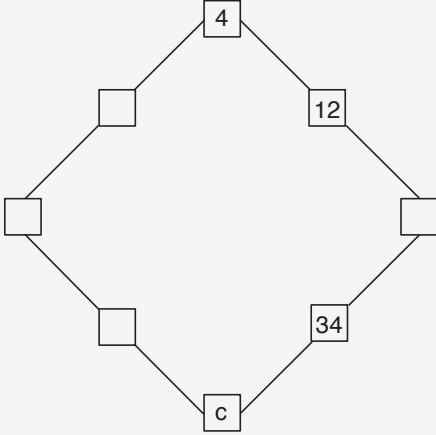
$y = d^b = 2^6 = 64$

O halde $x + y = 243 + 64 = 307$

Cevap: E

TEST - 3 ÇÖZÜMLER

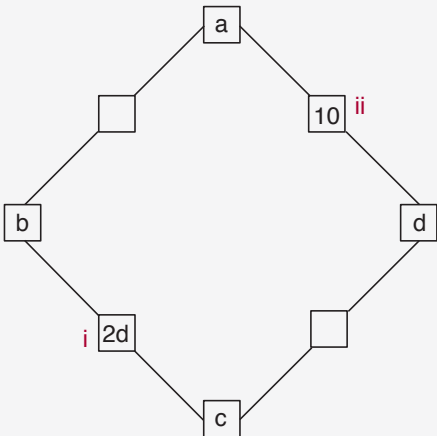
5.



- i) $a.d = 12$
 $4.d = 12$
 $d = 3$
- ii) $d^2 + c^2 = 34$
 $3^2 + c^2 = 34$
 $c^2 = 25$
 $c = 5$

Cevap: D

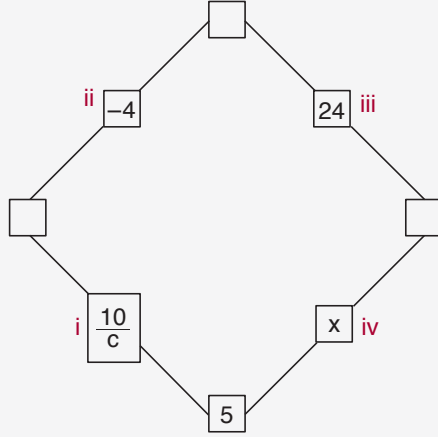
6.



- i) $\frac{b}{c} = 2d \Rightarrow d = \frac{b}{2c}$
- ii) $a.d = 10$
 $a \cdot \frac{b}{2c} = 10$
 $\frac{a.b}{c} = 20$

Cevap: D

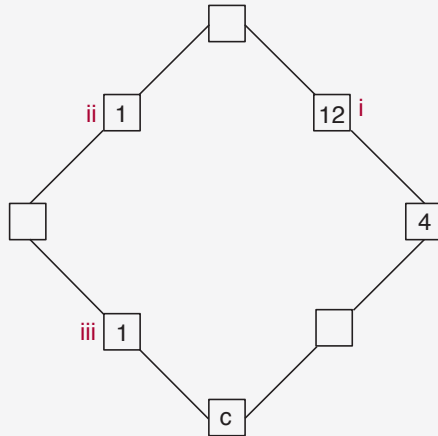
7.



- i) $\frac{b}{c} = \frac{10}{c} \Rightarrow b = 10$
- ii) $a - b = -4$
 $a - 10 = -4$
 $a = 6$
- iii) $a.d = 24$
 $6.d = 24$
 $d = 4$
- iv) $c^2 + d^2 = 5^2 + 4^2 = 41$

Cevap: B

8.



- i) $a.d = 12$
 $a.4 = 12 \Rightarrow a = 3$
- ii) $a - b = 1$
 $3 - b = 1 \Rightarrow b = 2$
- iii) $\frac{b}{c} = 1$
 $\frac{2}{c} = 1 \Rightarrow c = 2$

Cevap: B