

## ÇÖZÜMLERİ

1.  $\triangle = 2k$   $\square = 5k$   $\circ = 6k$   
 $\Rightarrow \circ = 2k + 2k + 2k = \triangle\triangle\triangle$

Cevap: B

2.  $3.8 + 1 = 25$

$8.4 + 1 = 33$

$4.6 + 1 = 25$

$6.7 + 1 = K \Rightarrow K = 43$

Cevap: B

3. 
$$\begin{array}{cccccccc} & +5 & & +10 & & +20 & & +40 \\ 6 & 8 & 11 & 13 & 21 & 18 & 41 & 23 & 81 \\ & & +5 & & +5 & & +5 & & \end{array}$$

Cevap: C

4.  $a - 3b = -3 \Rightarrow a = 3b - 3$

$a + b = 7 \Rightarrow a = 7 - b = 3b - 3 \Rightarrow 4b = 10 \Rightarrow b = \frac{5}{2}$

$\Rightarrow a + \frac{5}{2} = 7 \Rightarrow a = 7 - \frac{5}{2} = \frac{9}{2}$

$\Rightarrow (-3) \triangle (7) = \left(\frac{9}{2}\right)^2 - \left(\frac{5}{2}\right)^2 = \frac{81}{4} - \frac{25}{4} = \frac{56}{4} = 14$

Cevap: A

5.  $\left(\frac{1}{a+b}\right) \odot (a-b)$

$\frac{1}{a+b} = \frac{2}{3} \Rightarrow a+b = \frac{3}{2}$

$a-b = \frac{5}{2} \Rightarrow a+b+a-b = \frac{3}{2} + \frac{5}{2}$

$\Rightarrow 2a = \frac{8}{2} \Rightarrow a = 2$

$\Rightarrow 4+b = \frac{3}{2} \Rightarrow b = -\frac{5}{2}$

$\Rightarrow \frac{2}{3} \odot \frac{5}{2} = 2.2 + 3. \left(-\frac{5}{2}\right) = 4 - \frac{15}{2} = -\frac{7}{2}$

Cevap: D

6.  $\blacktriangle \rightarrow$  1. Sütundaki sayıların karesi

$\bullet \rightarrow$  1. Sütundaki sayıların 3 katı

$\blacksquare \rightarrow$  1. Sütundaki sayıların karesi ile çarpımı

O halde

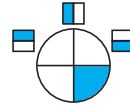
	$\blacktriangle$	$\bullet$	$\blacksquare$	
2	4	12	C	C = 8
3	A	18	27	A = 9
4	36	B	64	B = 24

$A + B + C = 9 + 24 + 8$

$= 41$  bulunur.

Cevap: A

7.



Ok yönünde dönerlerse cevap E olur.

Cevap: E

8.  $\frac{5 \cdot \frac{3}{5} \cdot 4 \cdot 3 \cdot 1 \cdot 6 \cdot \frac{1}{2} \cdot \frac{1}{9}}{4} = 3.3 = 9$

Cevap: B

9.  $\triangle = 1$   $\bullet = 2$   $\circ = 3$   $\blacksquare = 4$   $\square = 5$   $\blacktriangle = 6$

$\Rightarrow \blacktriangle \bullet \blacksquare = 624$

Cevap: A

10.

$$\left. \begin{array}{l} \text{I} \\ \oplus \quad \circ \quad \square \\ \triangle \quad \triangle \quad \boxplus \\ \boxplus \quad \circ \quad \oplus \\ \square \quad \triangle \quad \circ \\ \triangle \quad \triangle \quad \square \end{array} \right\} \Rightarrow \left\{ \begin{array}{l} \text{II} \\ 534 \quad 427 \quad 652 \\ 356 \quad 726 \end{array} \right.$$

$$\begin{aligned} \circ &= 2 \quad \triangle = 3 \quad \boxplus = 4 \quad \square = 5 \quad \oplus = 6 \quad \oplus = 7 \\ \Rightarrow \oplus \triangle \boxplus &= 754 \end{aligned}$$

Cevap: C

11.

9	5	6	7	8
6	9	8	5	7
8	7	5	6	9
7	6	9	8	5
5	8	7	9	6

Cevap: B

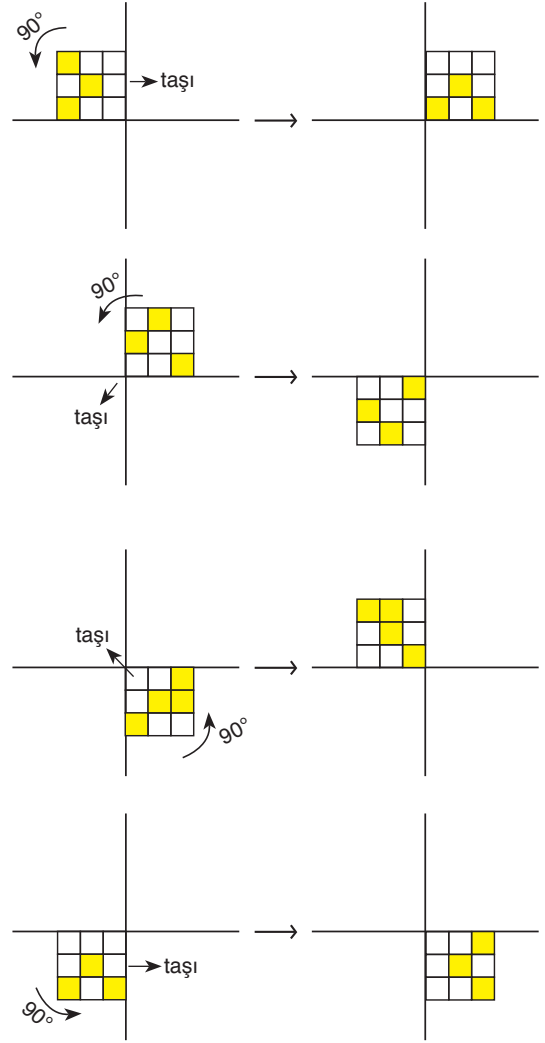
12.  $a + b = 2a - b \Rightarrow a = 2b$

$a + b = 2b + b = 5b - 12 \Rightarrow 2b = 12 \quad b = 6$

$c + c = b + 4 \Rightarrow 2c = 10 \Rightarrow c = 5$

Cevap: C

13.



Cevap: E

14.  $2a = n + 5 \Rightarrow a = \frac{n+5}{2}$ ,  $2b = 2n + 2 \Rightarrow b = n + 1$

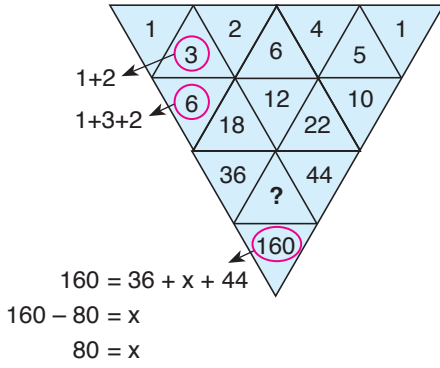
$\Rightarrow a \cdot b = \frac{n+5}{2} (n+1) = 6n + 16$

$\Rightarrow n^2 + 6n + 5 = 12n + 32$

$\Rightarrow n^2 - 6n - 27 = 0 \Rightarrow (n-9)(n+3) = 0 \Rightarrow n = 9$

Cevap: A

15.



Cevap: D

16. Açık ve koyu alt alta gelecek şekilde olmalı.

Açığın altına koyu.

Cevap: D

17.

$$\frac{x}{y} = \frac{1}{2} \Rightarrow y = 2x$$

$$\frac{x+y}{2} = 15 \Rightarrow x+y = 30$$

$$\Rightarrow 3x = 30$$

$$\Rightarrow x = 10, y = 20$$

$$A = x \cdot y = 200$$

Cevap: D

18.  $x \cdot y = x^3 \Rightarrow y = x^2$

$$z - y = x \Rightarrow z = x^2 + x$$

$$\frac{x}{y} = \frac{1}{3} \Rightarrow x = 3, y = 9, z = 12$$

$$\frac{z}{t} = \frac{1}{3} \Rightarrow t = 36$$

$$A = x - t = -33$$

$$B = \frac{x+y}{2} = 6$$

$$+ \quad \quad \quad -27$$

Cevap: A

19.

1	3	5	40
2	4	6	61
1	2	3	x

$$1^2 + 3^2 + 5^2 + 5 = 40$$

$$2^2 + 4^2 + 6^2 + 5 = 61$$

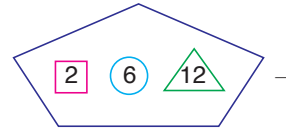
$$1^2 + 2^2 + 3^2 + 5 = 19$$

Cevap: B

20.  $\frac{x-7}{6} + 1 = 50 \Rightarrow x = 301$

Cevap: A

21.

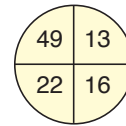
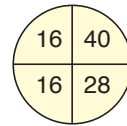


$$\left(4 \cdot 2 + 6 + \frac{12}{3}\right)^2 = 182$$

$$= 324$$

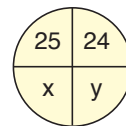
Cevap: E

22.



$$16 + 16 + 40 + 28 = 100$$

$$49 + 22 + 13 + 16 = 100$$



$$25 + x + 24 + y = 100$$

$$\Rightarrow x + y = 51$$

Cevap: B

23.

1	5	3	4	2
2	1	5	3	4
4	2	1	5	3
3	4	2	1	$x = 5$
5	3	$y = 4$	2	1

$x + y = 9$

Cevap: E

24.

I.  $\rightarrow 912 = (9 - (1 + 2))(9 - (1 \cdot 2)) = 67$

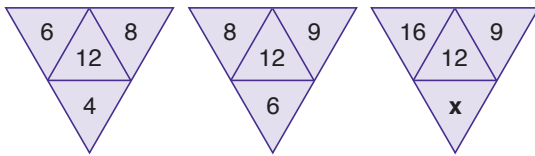
II.  $\rightarrow 823 = (8 - (2 + 3))(8 - (2 \cdot 3)) = 32$

III.  $\rightarrow 711 = (7 - (1 + 1))(7 - (1 \cdot 1)) = 56$

IV.  $\rightarrow 631 = (6 - (3 + 1))(6 - (3 \cdot 1)) = 23$

Cevap: C

25.



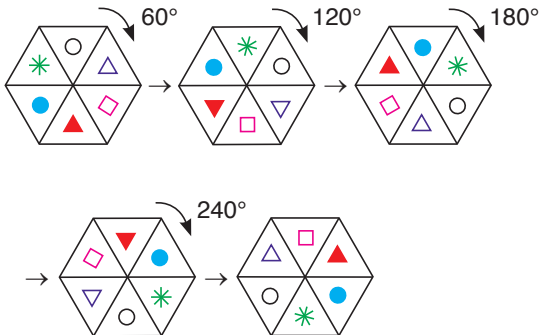
$6.8 = 12.4$

$8.9 = 12.6$

$16.9 = 12.12$

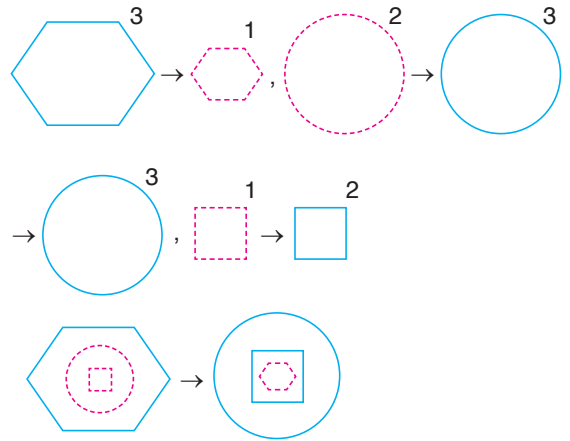
Cevap: C

26.



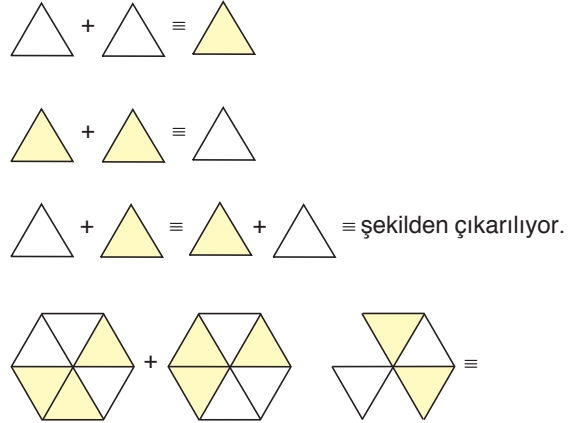
Cevap: D

27.



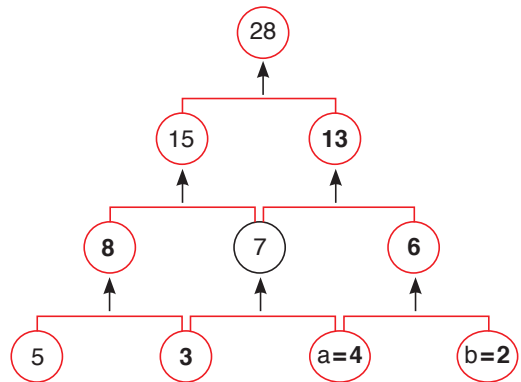
Cevap: A

28.



Cevap: D

29.

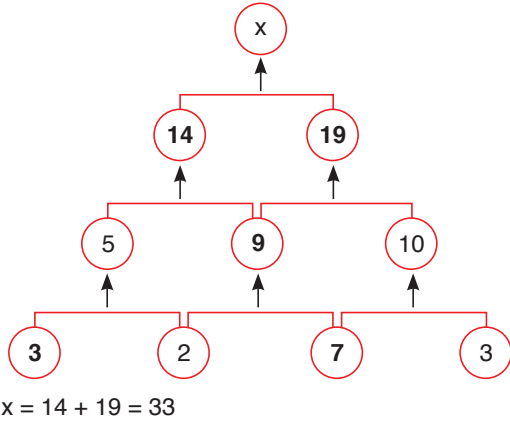


$4 - 2 = 2$

Cevap: B

TASARI EĞİTİM YAYINLARI

30.

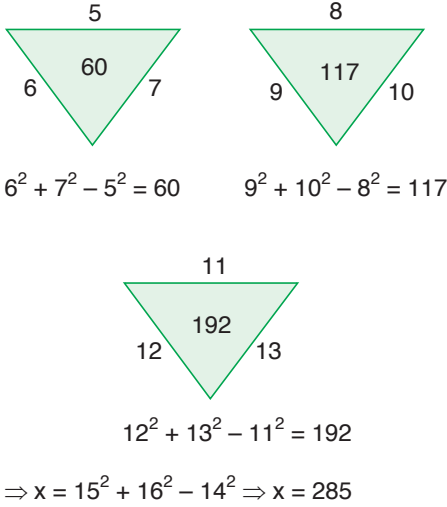


Cevap: B

31. Şekildeki küpler sayılıncı 56 tane olduğu görülür.

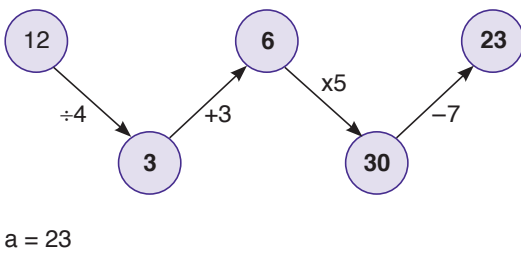
Cevap: B

32.



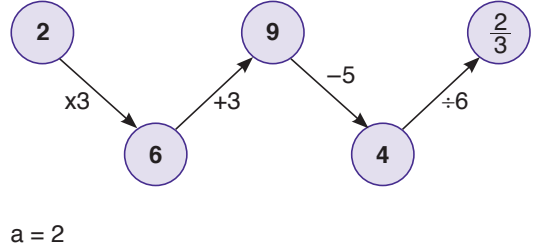
Cevap: A

33.



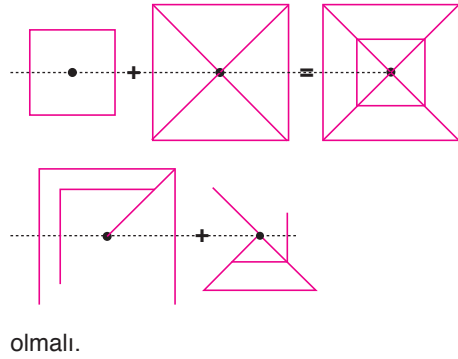
Cevap: A

34.



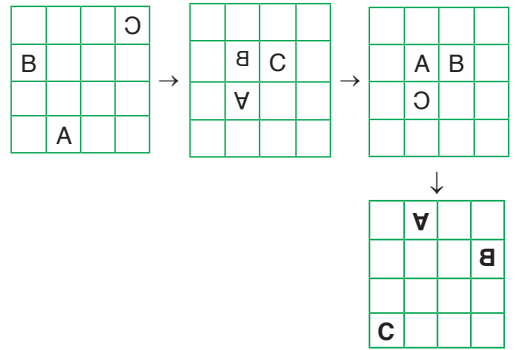
Cevap: B

35.



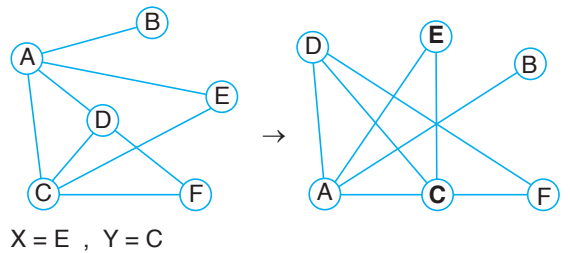
Cevap: D

36.



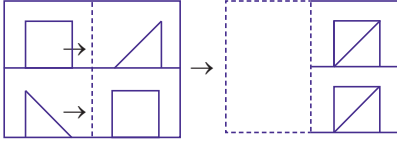
Cevap: D

37.



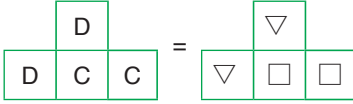
Cevap: E

38.

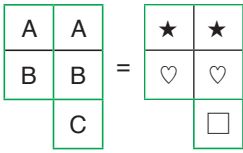


Cevap: C

39.



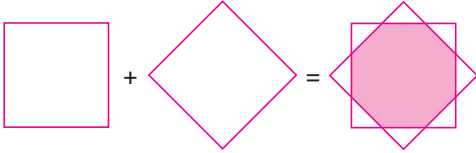
$$\Rightarrow D = \nabla \quad C = \square$$



$$A = \star, \quad B = \heartsuit$$

Cevap: B

40.



Cevap: A

41.

$$\begin{aligned} & \frac{10 - 0,24}{(0,02)^2 \cdot (24,4)} \\ &= \frac{9,76}{(0,0004) \cdot (24,4)} \\ &= \frac{976}{100} = \frac{976}{10^2} \cdot \frac{10^5}{976} \\ &= \frac{4}{10^4} \cdot \frac{244}{10} \\ &= 10^3 \\ &= 1000 \text{ bulunur.} \end{aligned}$$

Cevap: E

$$42. \quad A = \frac{25B}{100} \quad A = \frac{m \cdot C}{100}$$

$$m \cdot C = 25B$$

$$m \cdot C = 25 \cdot \frac{40 \cdot C}{100}$$

$$m = 10 \text{ bulunur.}$$

Cevap: E

$$43. \quad \frac{\sqrt{0,16}}{\sqrt{0,04}} - \frac{\sqrt{0,48}}{\sqrt{0,03}} = \sqrt{4} - \sqrt{16} = 2 - 4 = -2$$

Cevap: A

$$\begin{aligned} 44. \quad & \sqrt{\left(\frac{4}{3}\right)^2 + \left(\frac{1}{5}\right)^2} - 2 \cdot \frac{4}{3} \cdot \frac{1}{5} = \sqrt{\left(\frac{4}{3} - \frac{1}{5}\right)^2} \\ &= \left| \frac{4}{3} - \frac{1}{5} \right| = \frac{17}{15} \end{aligned}$$

Cevap: E

$$45. \quad (5^{a-1})^b = \left(\frac{5^a}{5}\right)^b = \left(\frac{15}{5}\right)^b = 3^b = 7$$

Cevap: C

$$46. \quad \frac{2^{1997} \cdot (2^2 - 1)}{2^{1997} (2^1 - 1)} = \frac{4 - 1}{2 - 1} = 3$$

Cevap: A

$$47. \begin{aligned} 2/2a + 3b + c &= 12 \\ -1/3a + 5b + c &= 15 \end{aligned}$$

$$\begin{aligned} 4a + 6b + 2c &= 24 \\ + -3a - 5b - c &= -15 \\ \hline a + b + c &= 9 \end{aligned}$$

Cevap: B

$$48. \sqrt{\frac{3 + \sqrt{5}}{3 - \sqrt{5}} - \frac{\sqrt{5}}{2}} = \sqrt{\frac{(3 + \sqrt{5})^2}{4} - \frac{\sqrt{5}}{2}}$$

$$= \frac{3 + \sqrt{5}}{2} - \frac{\sqrt{5}}{2} = \frac{3}{2}$$

Cevap: E

$$49. \frac{1}{7} - \frac{1}{8} + \frac{6}{7} - \frac{1}{3} + \frac{1}{8} - 1 = \gamma - \frac{1}{3} - \gamma = -\frac{1}{3}$$

Cevap: C

$$50. \left(\frac{a+2b}{b}\right) \cdot \left(\frac{c-d}{d}\right) = \left(\frac{a}{b} + 2\right) \cdot \left(\frac{c}{d} - 1\right)$$

$$= \left(\frac{4}{3} + 2\right) \cdot \left(\frac{4}{3} - 1\right)$$

$$= \frac{10}{3} \cdot \frac{1}{3} = \frac{10}{9}$$

Cevap: C

$$51. \underline{xz} - xy + \underline{x^2} - yz = x \cdot (z + x) - y(z + x)$$

$$= \underbrace{(x-y)}_3 \cdot \underbrace{(z+x)}_8 = 24$$

$$\begin{aligned} x - y &= 3 \\ + y + z &= 5 \\ \hline x + z &= 8 \end{aligned}$$

Cevap: A

$$52. \frac{a^2 - 2ab - 3b^2}{a+b} = \frac{(a-3b) \cdot \cancel{(a+b)}}{\cancel{(a+b)}} = a - 3b$$

Cevap: D

$$53. \begin{aligned} 2x + \frac{1}{y} &= 2y + \frac{1}{x} & 2x - 2y &= \frac{1}{x} - \frac{1}{y} \\ 2 \cdot \cancel{(x-y)} &= \frac{(y-x)}{xy} \\ x \cdot y &= -\frac{1}{2} \end{aligned}$$

Cevap: B

$$54. f\left(\frac{x+2}{x-4}\right) = \frac{x-4}{x+2} + 3$$

$$f\left(\frac{1}{41}\right) = 41 + 3 = 44$$

Cevap: E

$$55. \frac{(2006+1) \cdot (2006^2 - 2006 + 1)}{(2006^2 - 2005)} \cdot \frac{3}{2007}$$

$$= \frac{2007 \cdot \cancel{(2006^2 - 2005)}}{\cancel{(2006^2 - 2005)}} \cdot \frac{3}{2007} = 3$$

Cevap: B

$$56. \begin{aligned} 2x^3 + ax^2 + 6x - 3 &= (x^2 + 3) \cdot B(x) \\ x^2 &= -3 \end{aligned}$$

$$2x^2 \cdot x + ax^2 + 6x - 3 = 0$$

$$-6x - 3a + 6x - 3 = 0$$

$$3a = -3 \quad a = -1$$

Cevap: A

57.  $A = 8 \quad C = 3$

$$\begin{array}{r} 88 \\ + 33 \\ \hline 121 \Rightarrow M + K = 3 \end{array}$$

58.  $\frac{(5! - 4!)(8! - 7!)}{(9! - 8!)}$

$$= \frac{4!(5-1) \cdot 7!(8-1)}{8!(9-1)}$$

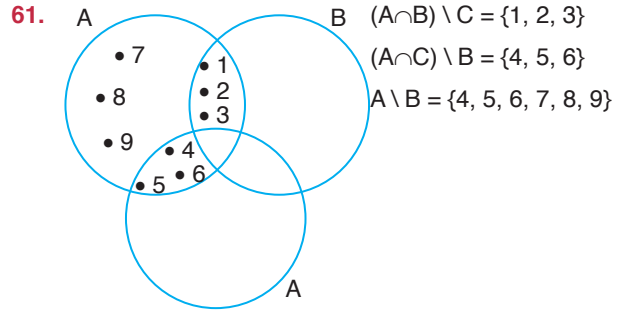
$$= \frac{4! \cdot 4 \cdot 7! \cdot 7}{7! \cdot 8 \cdot 8}$$

$$= \frac{4 \cdot 3 \cdot 2 \cdot 1 \cdot 4 \cdot 7}{8 \cdot 8} = \frac{21}{2}$$

59.  $a - b = 6 \Rightarrow b - a = -6$  olur.

$$\begin{array}{r} ac + b = 38 \\ bc + a = 8 \\ \hline ac + b = 38 \\ + \quad -bc - a = -8 \\ \hline ac + b - bc - a = 30 \\ c(a - b) + (b - a) = 30 \\ \underbrace{c(a - b)}_6 + \underbrace{(b - a)}_{-6} = 30 \\ 6c - 6 = 30 \\ 6c = 36 \Rightarrow c = 6 \text{ bulunur.} \end{array}$$

60.  $A = \{x / 3 < x \leq 120 \quad x = 2n \quad n \in \mathbb{N}\}$   
 $A = \{4, 6, 8, \dots, 120\}$   
 $B = \{y / 19 < y \leq 150 \quad y = 3k \quad k \in \mathbb{N}\}$   
 $B = \{21, 24, 27, \dots, 150\}$   
 $A \cap B \Rightarrow 6m$   
 $A \cap B = \{24, 30, 36, \dots, 120\}$   
 $n(A \cap B) = \frac{120 - 24}{6} + 1$   
 $= 16 + 1$   
 $= 17$



Cevap: E

$(A \setminus C) = \{1, 2, 3, 7, 8, 9\}$   
 $n(A \setminus C) = 6$  bulunur.

Cevap: E

Cevap: D

62.  $f(x) = 2x - 8 \Rightarrow f^{-1}(x) = \frac{x+8}{2}$

$$(g \circ f^{-1})(x) = g(f^{-1}(x)) = g\left(\frac{x+8}{2}\right)$$

$$= \left(\frac{x+8}{2} - 4\right)^2$$

$$= \left(\frac{x}{2}\right)^2 = \frac{x^2}{4}$$

$(g \circ f^{-1})(6) = \frac{6^2}{4} = \frac{36}{4} = 9$  bulunur.

Cevap: E

Cevap: D

63. 

$g(x) = -2x + 8$   
 $x = 0$  için  $y = 8$   
 $y = 0$  için  $x = 4$

$f(x) = a(x+4)(x-4)^2$   
 $x = 0$  için  $f(0) = 8$   
 $8 = a \cdot 4 \cdot 16$   
 $\frac{1}{8} = a \Rightarrow f(x) = \frac{1}{8}(x+4)(x-4)^2$   
 $f(2) = \frac{1}{8}6 \cdot 4 = 3$  bulunur.

Cevap: A

64.  $P(x) = x^3 - 3x^2 - mx - 8$

$Q(x) = x - 5$

$x - 5 = 0 \Rightarrow x = 5$

$5^3 - 3 \cdot 5^2 - 5m - 8 = 12$

$125 - 75 - 5m - 8 = 12$

$30 = 5m$

$6 = m$  olur.

Cevap: B

65.  $P(x) = x^2 + ax + b$

$Q(x) = x \cdot P(x) + 4$

$Q(-1) = 0 \Rightarrow 0 = -P(-1) + 4$

$P(-1) = 4$

$Q(1) = 0 \Rightarrow 0 = P(1) + 4$

$P(1) = -4$

$Q(2) = 0 \Rightarrow 0 = 2 \cdot P(2) + 4$

$2P(2) = -4 \Rightarrow P(2) = -2$

I.  $P(-1) = 4 \Rightarrow 1 - a + b = 4$     II.  $P(1) = 1 + a + b = -4$

$b - a = 3$

$a + b = -5$

I ve II'den

$b - a = 3$

+  $a + b = -5$

$2b = -2 \Rightarrow b = -1$  ve  $a = -4$

$P(x) = x^2 - 4x - 1 \Rightarrow P(5) = 25 - 20 - 1$

$= 4$  bulunur.

Cevap: C

66.  $\left| \frac{a}{3} \right| = -a \cdot b$  ( $-a \cdot b > 0 \Rightarrow -a > a$  a  $a < 0$ )

$\left| \frac{a}{3} \right| = -a \cdot b \Rightarrow b = \frac{1}{3}$  olur.

$\frac{|b|}{|a|} = 8b \Rightarrow (5b > 0 \Rightarrow b > 0)$

$\frac{1}{3} = 8 \cdot \frac{1}{3} \Rightarrow |a| = \frac{1}{3} \cdot \frac{3}{8} = \frac{1}{8}$

$\Rightarrow a = -\frac{1}{8}$

O halde  $a + b = -\frac{1}{8} + \frac{1}{3} = \frac{5}{24}$  bulunur.

Cevap: B

67.  $x^{867} < 0$

$|x| + |7-x| + |9-x| + |x-11| = 867$

$-x + 7 - x + 9 - x - x + 1 = 867$

$-4x + 27 = 867$

$-4x = 840$

$x = -210$  bulunur.

Cevap: C

68. 
$$\begin{array}{r} 1641 \overline{) 3} \\ - 1641 \phantom{0} \\ \hline 0 \end{array} \quad 547 = ABC$$

D = 6 olmalı.

$$\begin{array}{r} 547 \\ \times 36 \\ \hline 3282 \\ + 1641 \phantom{0} \\ \hline 19692 \end{array}$$

$A + B + C + D = 5 + 4 + 7 + 6 = 22$

Cevap: D

69.  $16^{x+1} - 20 \cdot 4^x + 4 = 0$

$16^x \cdot 16 - 20 \cdot 4^x + 4 = 0$

$16 \cdot (4^x)^2 - 20 \cdot 4^x + 4 = 0$

$4^x = a$  olsun.

$16a^2 - 24a + 4 = 0$

$\downarrow \qquad \qquad \downarrow$

$4a \qquad -4$

$4a \qquad -1$

$4a - 4 = 0$  ve  $4a - 1 = 0$

$4a = 4 \qquad 4a = 1$

$a = \frac{4}{4} \qquad a = \frac{1}{4}$

$a = 1$

$4^x = 1 = 4^0$  ve  $4^x = \frac{1}{4} = 4^{-1}$

$x = 0 \qquad x = -1$

$\Sigma x = 0 - 1 = -1$  bulunur.

Cevap: E

70.  $f(x) = x^2 - 4x + 7m - 5$

$$x_1 + x_2 = -\frac{b}{a} = \frac{4}{1} = 4$$

$$-1/x_1 + x_2 = 4$$

$$x_1 + 2x_2 = -4$$

$$\begin{array}{r} \rightarrow x_1 - x_2 = -4 \\ + \rightarrow x_1 + 2x_2 = -4 \\ \hline \end{array}$$

$$\rightarrow x_1 - x_2 = -4$$

$$x_2 = -8 \text{ ve } x_1 = 12$$

$$x_1 \cdot x_2 = \frac{c}{a}$$

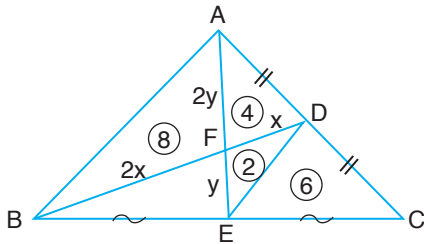
$$(-8) \cdot 12 = 7m - 5$$

$$-96 = 7m - 5$$

$$-91 = 7m \Rightarrow m = -13 \text{ bulunur.}$$

Cevap: A

71.



[DE] orta tabandır.

$\widehat{DFE} \sim \widehat{BFA}$  ve benzerlik oranı  $\frac{1}{2}$ 'dir.

$2|DF| = |BF|$ ,  $2|FE| = |AF|$  olur.

$A(ABF) = 8 \text{ br}^2 \Rightarrow A(AFD) = 4 \text{ br}^2$  olur.

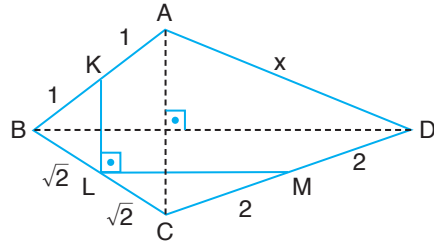
$2|FE| = |AF|$  ve  $A(AFD) = 4 \text{ br}^2$

$A(DFE) = 2 \text{ br}^2$  olur.

$|AD| = |DC| \Rightarrow A(ADE) = A(DEC) = 6 \text{ br}^2$  bulunur.

Cevap: C

72.



[LK], ABC üçgenin orta tabanıdır. [LK] // [AC]

[ML], BCD üçgenin orta tabanıdır. [ML] // [BD]

O halde [AC]  $\perp$  [BD] olur.

$$|AD|^2 + |BC|^2 = |AB|^2 + |CD|^2$$

$$x^2 + (2\sqrt{2})^2 = 2^2 + 4^2$$

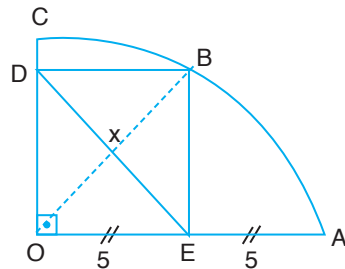
$$x^2 + 8 = 4 + 16$$

$$x^2 = 12 \Rightarrow x = 2\sqrt{3}$$

Cevap: B

TASARI EĞİTİM YAYINLARI

73.



Çemberin yarıçapı  $|OA| = 10 \text{ cm}$

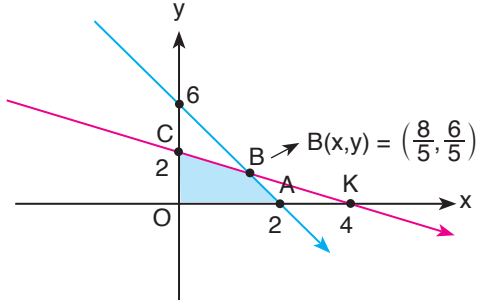
OEBC dikdörtgeninde

[OB] köşegeni çizilir bu da yarıçaptır.

O halde  $|OB| = |DE| = x = 10 \text{ cm}$  bulunur.

Cevap: B

74.  $y = -3x + 6$  ve  $2y = -x + 4$   
 $x = 0$  için  $y = 6$   $y = 2$   
 $y = 0$  için  $x = 2$   $x = 4$



$$-2/y + 3x = 6$$

$$2y + x = 4$$

$$-5x = -8$$

$$x = \frac{8}{5} \text{ ve } y = \frac{6}{5}$$

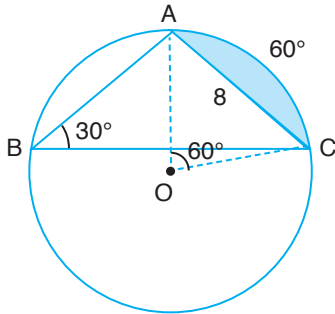
$$A(\text{OKC}) = \frac{4 \cdot 2}{2} = 4 \text{ br}^2 \quad A(\text{AKB}) = \frac{2 \cdot \frac{6}{5}}{2} = \frac{6}{5}$$

$$\text{O halde } A(\text{OABC}) = A(\text{OKC}) - A(\text{AKB})$$

$$= 4 - \frac{6}{5} = \frac{14}{5} \text{ br}^2$$

Cevap: B

75.



$m(\widehat{AC}) = 60^\circ$  olur.

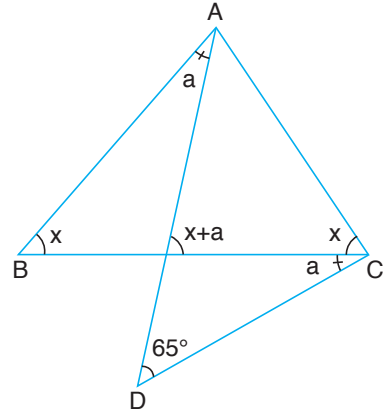
$\widehat{AC}$ 'nin merkez açısı çizilirse OA üçgeni bir eşkenar üçgen olur.

$$\text{Taralı Alan} = \frac{\pi \cdot 8^2 \cdot 60^\circ}{360^\circ} - \frac{8^2 \sqrt{3}}{4}$$

$$= \left( \frac{32\pi}{3} - 16\sqrt{3} \right) \text{ cm}^2 \text{ bulunur.}$$

Cevap: A

76.



$$x + a = 65 + a$$

$$x = 65$$

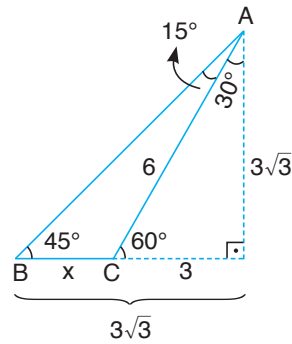
$$65 + 65 = 130$$

$$180 - 130 = 50$$

Cevap: A

TASARI EĞİTİM YAYINLARI

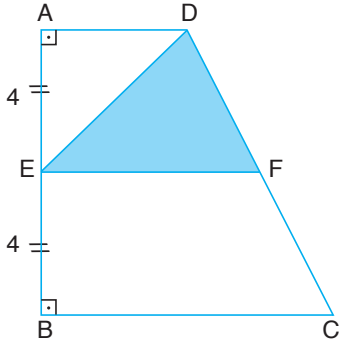
77.



$$x = 3\sqrt{3} - 3$$

Cevap: B

78.



$$A(\widehat{DEF}) = \frac{|EF| \cdot 4}{2} = 10$$

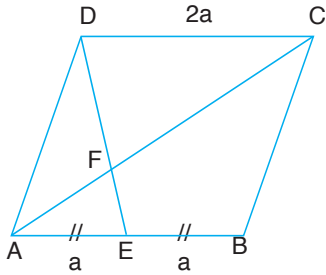
$$|EF| = 5$$

$$|EF| = \frac{|AD| + |BC|}{2}$$

$$|BC| + |AD| = 10$$

Cevap: C

79.

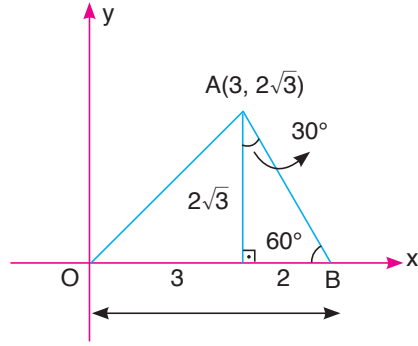


$$\widehat{AEF} \sim \widehat{CDF}$$

$$\frac{|AE|}{|DC|} = \frac{a}{2a} = \frac{1}{2} = \frac{|AF|}{|FC|}$$

Cevap: C

80.



$$A(\widehat{AOB}) = \frac{5 \cdot 2\sqrt{3}}{2} = 5\sqrt{3}$$

Cevap: E