

ÇÖZÜMLERİ

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

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

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

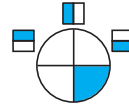
	$\blacktriangle$	$\bullet$	$\blacksquare$	
2	4	12	C	C = 8
3	A	18	27	A = 9
4	36	B	64	B = 24

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

= 41 bulunur.

Cevap: A

7.



Ok yönünde dönerlerse cevap E olur.

Cevap: E

8.

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

Cevap: B

9.

$\triangle = 1$ $\bullet = 2$ $\bigcirc = 3$ $\blacksquare = 4$ $\square = 5$ $\blacktriangle = 6$

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

Cevap: A

10.

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

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

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

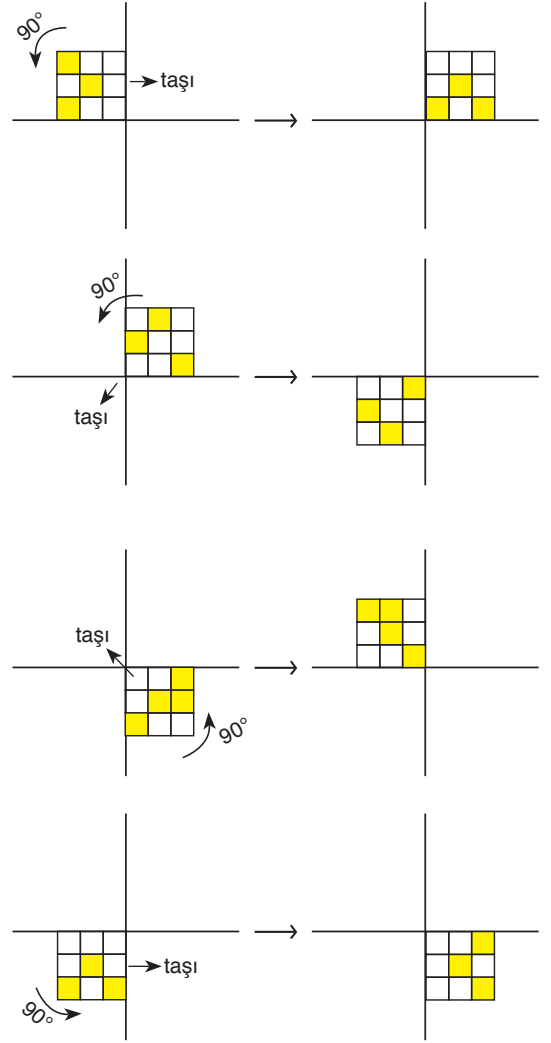
$$12. \quad a + b = 2a - b \Rightarrow a = 2b$$

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

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

Cevap: C

13.



Cevap: E

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

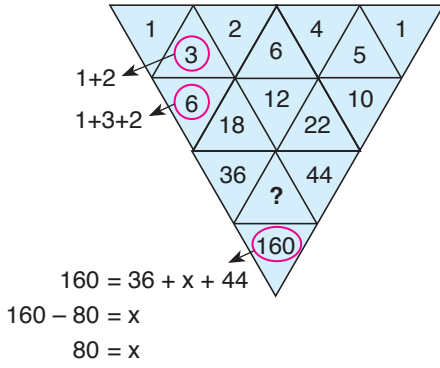
$$\Rightarrow a \cdot b = \frac{n+5}{2} (n+1) = 6n + 16$$

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

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

Cevap: A

15.



Cevap: D

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

16. Açık ve koyu alt alta gelecek şekilde olmalı.

Açığın altına koyu.

Cevap: D

17.

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

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

$$\Rightarrow 3x = 30$$

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

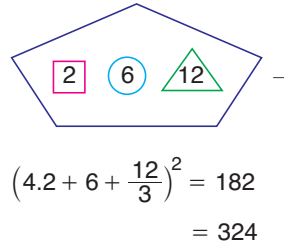
$$A = x \cdot y = 200$$

Cevap: D

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

Cevap: A

21.



Cevap: E

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

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

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

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

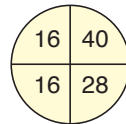
$$A = x - t = -33$$

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

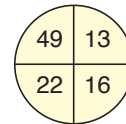
$$+ \quad \quad \quad -27$$

Cevap: A

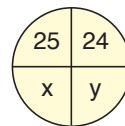
22.



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



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



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

$$\Rightarrow x + y = 51$$

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

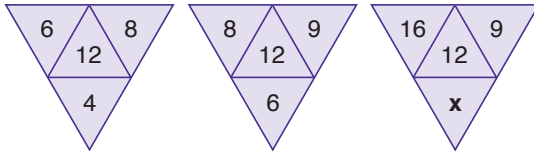
II. $\Rightarrow 823 = (8 - (2 + 3))(8 - (2 \cdot 3)) = 32$

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.



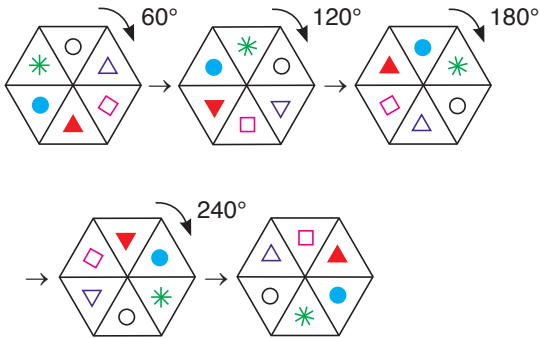
$$6.8 = 12.4$$

$$8.9 = 12.6$$

$$16.9 = 12.12$$

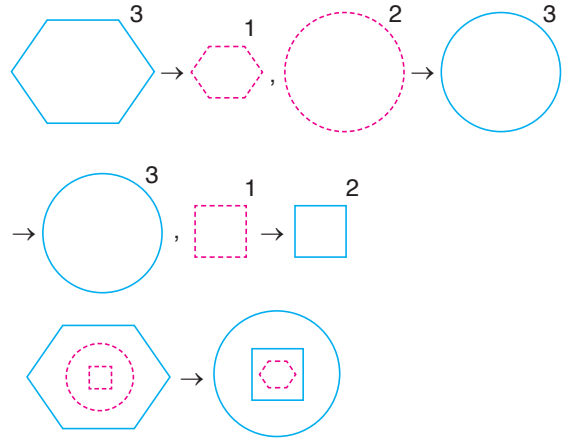
Cevap: C

26.



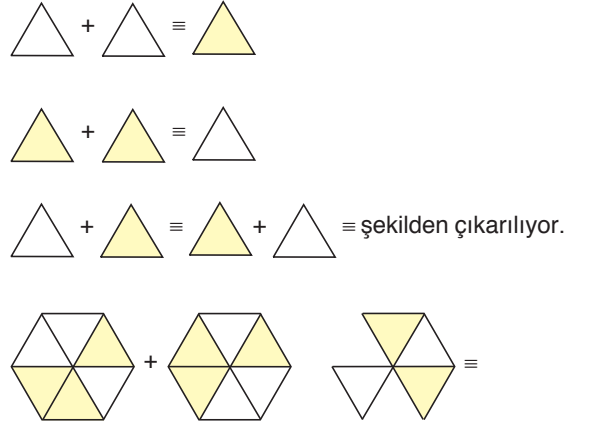
Cevap: D

27.



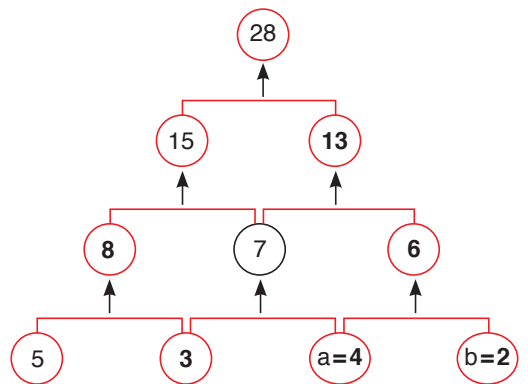
Cevap: A

28.



Cevap: D

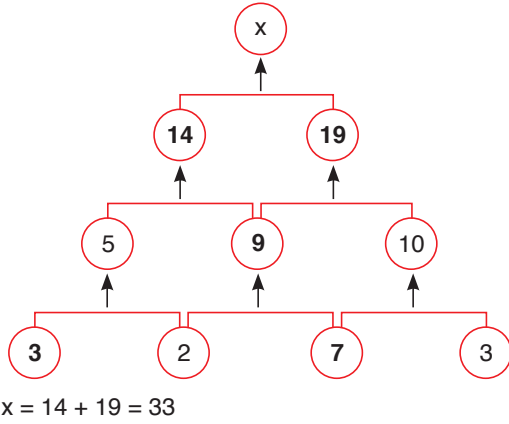
29.



$$4 - 2 = 2$$

Cevap: B

30.

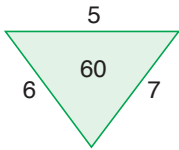


Cevap: B

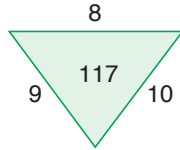
31. Şekildeki küpler sayılınca 56 tane olduğu görülür.

Cevap: B

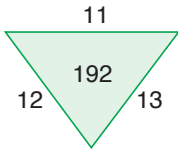
32.



$$6^2 + 7^2 - 5^2 = 60$$



$$9^2 + 10^2 - 8^2 = 117$$

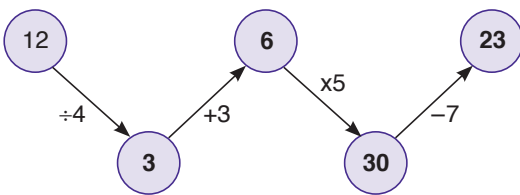


$$12^2 + 13^2 - 11^2 = 192$$

$$\Rightarrow x = 15^2 + 16^2 - 14^2 \Rightarrow x = 285$$

Cevap: A

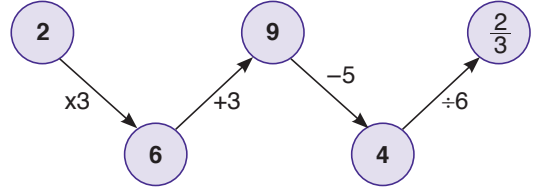
33.



$$a = 23$$

Cevap: A

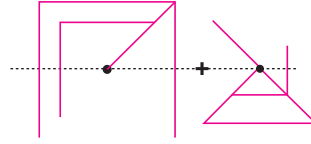
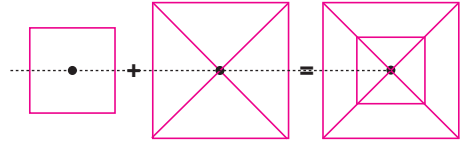
34.



$$a = 2$$

Cevap: B

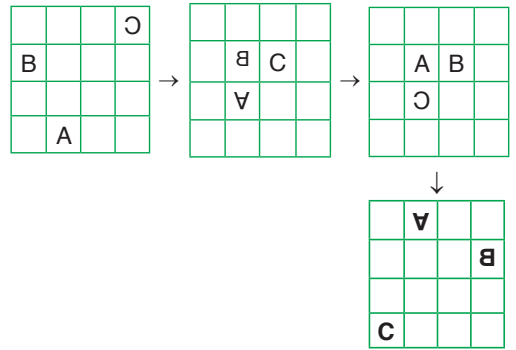
35.



olmalı.

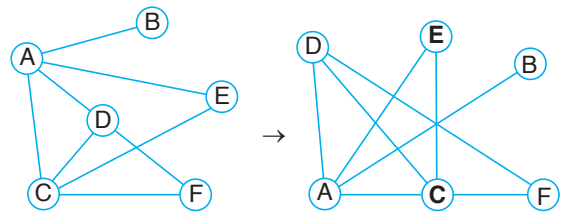
Cevap: D

36.



Cevap: D

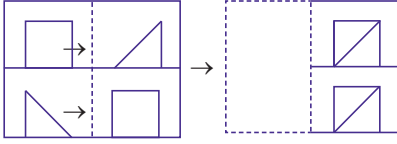
37.



$$X = E, Y = C$$

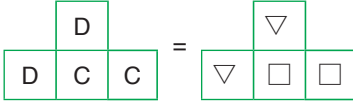
Cevap: E

38.

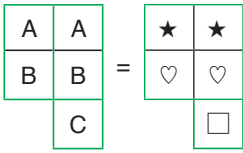


Cevap: C

39.



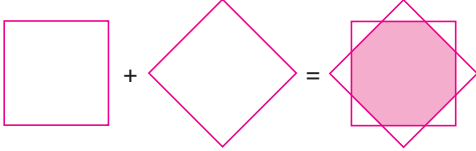
$$\Rightarrow D = \nabla \quad C = \square$$



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

Cevap: B

40.



Cevap: A

41.

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

Cevap: E

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

$$m \cdot C = 25B$$

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

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

Cevap: E

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

Cevap: A

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

Cevap: E

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

Cevap: C

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

Cevap: A

47. $2/2a + 3b + c = 12$

$-1/3a + 5b + c = 15$

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

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

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

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

$$\begin{array}{r} x - y = 3 \\ + \quad y + z = 5 \\ \hline x + z = 8 \end{array}$$

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. $2x + \frac{1}{y} = 2y + \frac{1}{x} \quad 2x - 2y = \frac{1}{x} - \frac{1}{y}$

$$2 \cdot \cancel{(x-y)}^{-1} = \frac{\cancel{(y-x)}}{xy}$$

$$x \cdot y = -\frac{1}{2}$$

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

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

Cevap: B

56. $2x^3 + ax^2 + 6x - 3 = (x^2 + 3) \cdot B(x)$

$$x^2 = -3$$

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

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

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

Cevap: A

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

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

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

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

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

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

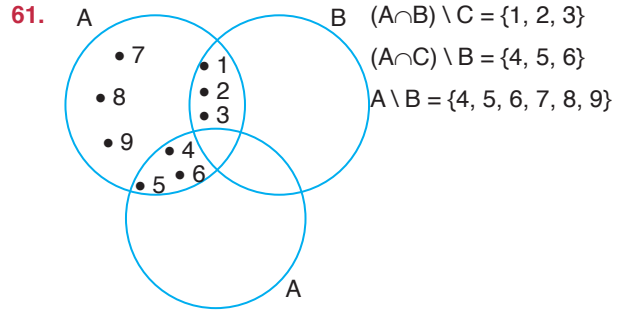
59. $a - b = 6 \Rightarrow b - a = -6$ olur.

$$ac + b = 38$$

$$bc + a = 8$$

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

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



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

$$n(A \setminus C) = 6 \text{ bulunur.}$$

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

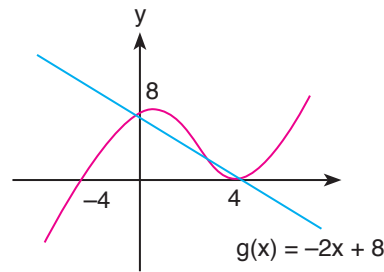
$$(g \circ f^{-1})(x) = g(f^{-1}(x)) = g\left(\frac{x+8}{2}\right)$$

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

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

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

63.



$$g(x) = -2x + 8$$

$$x = 0 \text{ için } y = 8$$

$$y = 0 \text{ için } x = 4$$

$$f(x) = a(x+4)(x-4)^2$$

$$x = 0 \text{ için } f(0) = 8$$

$$8 = a \cdot 4 \cdot 16$$

$$\frac{1}{8} = a \Rightarrow f(x) = \frac{1}{8}(x+4)(x-4)^2$$

$$f(2) = \frac{1}{8}6 \cdot 4 = 3 \text{ bulunur.}$$

Cevap: E

Cevap: D

Cevap: D

Cevap: C

Cevap: E

Cevap: E

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

$b - a = 3$

$a + b = -5$

I ve II'den

$b - a = 3$

$+ \quad a + b = -5$

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

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

$= 4$ bulunur.

Cevap: C

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

$\left| \frac{a}{3} \right| = -a \cdot b \Rightarrow b = \frac{1}{3}$ 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. $x^{867} < 0$

$\underbrace{|x|}_{-} + \underbrace{|7-x|}_{+} + \underbrace{|9-x|}_{+} + \underbrace{|x-11|}_{-} = 867$

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

$-4x + 27 = 867$

$-4x = 840$

$x = -210$ bulunur.

Cevap: C

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

D = 6 olmalı.

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

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

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.

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

$$\begin{array}{cc} \downarrow & \downarrow \\ 4a & -4 \\ 4a & -1 \end{array}$$

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

$$\begin{array}{cc} 4a = 4 & 4a = 1 \\ a = \frac{4}{4} & a = \frac{1}{4} \end{array}$$

$a = 1$

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

$x = 0$ $x = -1$

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

Cevap: E

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

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

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

$$x_1 + 2x_2 = -4$$

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

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

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

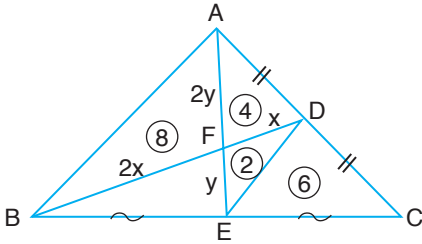
$$(-8) \cdot 12 = 7m - 5$$

$$-96 = 7m - 5$$

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

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.

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

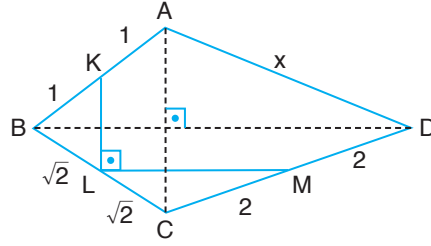
$2|FE| = |AF|$ ve $A(\triangle AFD) = 4 \text{ br}^2$

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

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

Cevap: C

72.



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

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

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

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

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

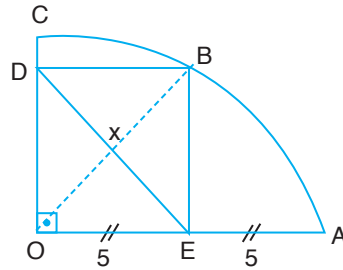
$$x^2 + 8 = 4 + 16$$

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

Cevap: B

TASARI EĞİTİM YAYINLARI

73.



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

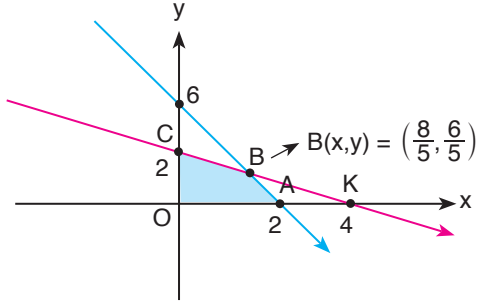
OEBC dikdörtgeninde

[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 $x = 2$ $x = 4$



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

$$2y + x = 4$$

$$-5x = -8$$

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

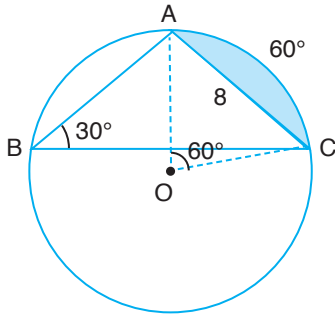
$$A(OKC) = \frac{4 \cdot 2}{2} = 4 \text{ br}^2 \quad A(AKB) = \frac{2 \cdot \frac{6}{5}}{2} = \frac{6}{5}$$

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

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

Cevap: B

75.



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

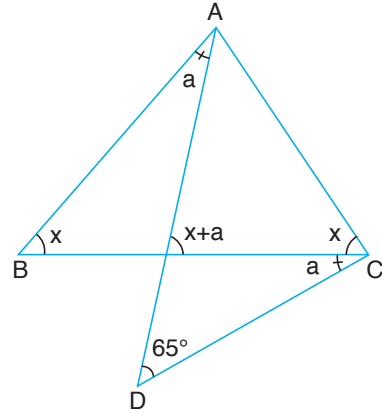
$\widehat{AC}$ 'nin merkez açısı çizilirse OA üçgeni bir eşkenar üçgen olur.

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

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

Cevap: A

76.



$$x + a = 65 + a$$

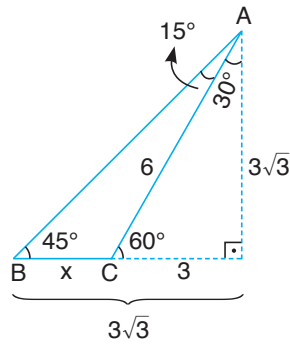
$$x = 65$$

$$65 + 65 = 130$$

$$180 - 130 = 50$$

Cevap: A

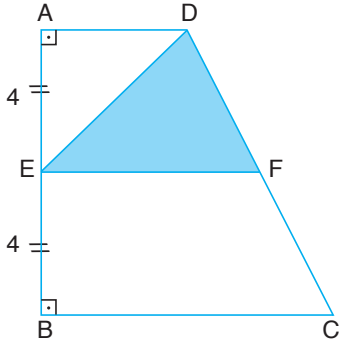
77.



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

Cevap: B

78.



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

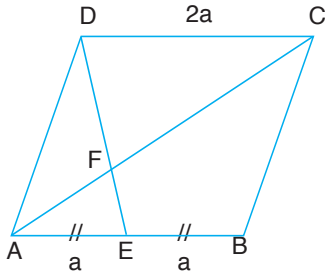
$$|EF| = 5$$

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

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

Cevap: C

79.

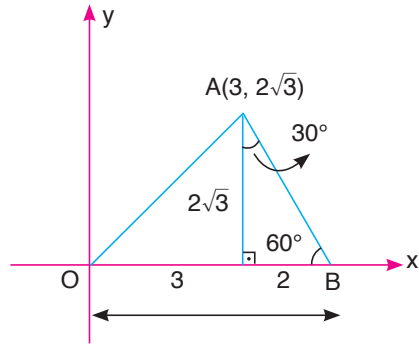


$$\widehat{AEF} \sim \widehat{CDF}$$

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

Cevap: C

80.



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

Cevap: E