

ÇÖZÜMLER

$$\begin{aligned}
 1. \quad \frac{1 \cdot \frac{2}{3}}{1 - 2 \cdot \frac{2}{5}} + \frac{1}{2} &= \frac{1 \cdot \frac{3}{2}}{1 - 2 \cdot \frac{5}{2}} + \frac{1}{2} \\
 &= \frac{\frac{3}{2}}{1 - 5} + \frac{1}{2} = \frac{\frac{3}{2}}{-4} + \frac{1}{2} \\
 &= -\frac{3}{8} + \frac{1}{2} \\
 &= \frac{-3 + 4}{8} \\
 &= \frac{1}{8}
 \end{aligned}$$

Cevap: E

$$\begin{aligned}
 2. \quad a = 2,6\overline{8} &= 2,686868686868\dots \\
 b = 2,\overline{6} &= 2,666666666666\dots \\
 c = 2,687 &= 2,687000000000\dots
 \end{aligned}$$

b en küçük

$\Rightarrow b < a < c$

Cevap: A

$$\begin{aligned}
 3. \quad \frac{8 \cdot 10^n}{10^m} &= 25 \cdot 5^5 \cdot 4^5 \\
 2^3 \cdot 10^{n-m} &= 5^2 \cdot 5^5 \cdot 2^{10} \\
 2^8 \cdot 10^{n-m} &= 5^7 \cdot 2^{10} \\
 10^{n-m} &= 5^7 \cdot 2^7 \\
 10^{n-m} &= 10^7 \Rightarrow n - m = 7 \\
 \Rightarrow (n - m)^2 &= 7^2 = 49
 \end{aligned}$$

Cevap: A

$$\begin{aligned}
 4. \quad \frac{a}{1} \Big| \frac{b}{3} &\Rightarrow a = 3b + 1 \\
 \frac{a}{2} \Big| \frac{c}{4} &\Rightarrow a = 4c + 2 \\
 \Rightarrow 3b + 1 &= 4c + 2 \\
 4c &= 3b + 1 - 2 \\
 4c &= 3b - 1 \\
 c &= \frac{3b - 1}{4}
 \end{aligned}$$

Cevap: C

TASARI EĞİTİM YAYINLARI

$$\begin{aligned}
 5. \quad \frac{1}{2!} + \frac{2}{3!} + \frac{3}{4!} + \frac{4}{5!} + \frac{5}{6!} + \frac{7}{7!} \\
 = \frac{1}{1!} - \frac{1}{2!} + \frac{1}{2!} - \frac{1}{3!} + \frac{1}{3!} - \frac{1}{4!} + \frac{1}{4!} - \frac{1}{5!} + \frac{1}{5!} - \frac{1}{6!} + \frac{1}{6!} - \frac{1}{7!} \\
 = 1 - \frac{1}{7!} = \frac{7! - 1}{7!}
 \end{aligned}$$

Cevap: D

$$\begin{aligned}
 6. \quad &\bullet a^2 \cdot c > 0 \Rightarrow c > 0 \\
 &\bullet b^2 \cdot a \cdot c < 0 \Rightarrow a < 0 \\
 &\quad \downarrow \quad \downarrow \\
 &\quad + \quad + \\
 &\bullet a \cdot b \cdot c < 0 \Rightarrow b > 0 \\
 &\quad \downarrow \quad \downarrow \\
 &\quad - \quad + \\
 \Rightarrow &a = - \\
 &b = + \\
 &c = +
 \end{aligned}$$

Cevap: D

$$\begin{aligned}
 7. \quad \frac{(a+b)^2}{a^3-b^3} + \frac{1}{b-a} &= \frac{(a+b)^2}{a^3-b^3} - \frac{1}{a^2+ab+b^2} \\
 &= \frac{(a+b)^2 - (a^2+ab+b^2)}{a^3-b^3} \\
 &= \frac{a^2+2ab+b^2 - a^2 - ab - b^2}{a^3-b^3} \\
 &= \frac{ab}{a^3-b^3}
 \end{aligned}$$

Cevap: B

$$\begin{aligned}
 8. \quad &\bullet \frac{a}{b} = \frac{c}{d} = k \\
 &\bullet \frac{a-b}{b} \cdot \frac{c-d}{d} = 36 \\
 &\left(\frac{a}{b} - \frac{b}{b}\right) \cdot \left(\frac{c}{d} - \frac{d}{d}\right) = 36 \\
 &\left(\frac{a}{b} - 1\right) \cdot \left(\frac{c}{d} - 1\right) = 36 \\
 &(k-1)(k-1) = 36 \\
 &(k-1)^2 = 36 \\
 &k-1 = 6 \Rightarrow k = 7 \\
 &\frac{a}{b} = 7 \rightarrow a = 7b, \quad \frac{c}{d} = 7 \rightarrow c = 7d \\
 &\Rightarrow \frac{a \cdot c}{b \cdot d} = \frac{7b \cdot 7d}{b \cdot d} = 7 \cdot 7 = 49
 \end{aligned}$$

Cevap: D

$$\begin{array}{r}
 \begin{array}{|c|c|c|}
 \hline
 A & B & C \\
 \hline
 B & B & D \\
 \hline
 3 & 9 & 4 \\
 \hline
 \end{array} \\
 - \\
 \hline
 \end{array}$$

$$\begin{aligned}
 &C + 10 - D = 4 \\
 &\boxed{D - C = 6} \\
 &A - 1 - B = 3 \\
 &\boxed{A - B = 4}
 \end{aligned}$$

$$\begin{aligned}
 \bullet \quad AD - BC &= 10A + D - 10B - C \\
 &= 10(A - B) + D - C \\
 &= 10 \cdot 4 + 6 \\
 &= 40 + 6 = 46
 \end{aligned}$$

Cevap: E

$$\begin{aligned}
 10. \quad &\bullet 3^{\frac{1}{6}} + 1 = a \Rightarrow 3^{\frac{1}{6}} = a - 1 \\
 &\bullet \left(3^{\frac{1}{6}}\right)^2 = (a-1)^2 \Rightarrow 3^{\frac{1}{3}} = (a-1)^2 \\
 &\frac{3^{\frac{1}{3}} - 1}{\left(3^{\frac{1}{12}} - 1\right)\left(3^{\frac{1}{12}} + 1\right)} = \frac{3^{\frac{1}{3}} - 1}{3^{\frac{1}{6}} - 1} = \frac{(a-1)^2 - 1}{a-1-1} \\
 &= \frac{a^2 - 2a + 1 - 1}{a-2} = \frac{a^2 - 2a}{a-2} = \frac{a(a-2)}{a-2} = a
 \end{aligned}$$

Cevap: A

TASARI EĞİTİM YAYINLARI

$$\begin{aligned}
 11. \quad &\frac{2x+1}{x+3} - \frac{1}{x+1} = \frac{x-2}{x+3} + \frac{x-3}{x+1} \\
 &\frac{2x+1}{x+3} - \frac{x-2}{x+3} = \frac{x-3}{x+1} + \frac{1}{x+1} \\
 &\frac{2x+1-x+2}{x+3} = \frac{x-3+1}{x+1} \\
 &\frac{x+3}{x+3} = \frac{x-2}{x+1} \\
 &1 = \frac{x-2}{x+1} \\
 &x+1 = x-2 \\
 &0 = -3 \Rightarrow \text{CK} = \emptyset
 \end{aligned}$$

Cevap: D

$$\begin{aligned}
 12. \quad &ab = c + 12 \\
 &+ \quad ca = b + 4 \\
 &\hline
 &ab + ac = b + c + 16 \\
 &a(b+c) = b+c+16 \\
 &a \cdot 4 = 4 + 16 \\
 &4a = 20 \\
 &a = 5
 \end{aligned}$$

$$\begin{aligned}
 &\left(\frac{c=4-b}{c+b=4}\right)
 \end{aligned}$$

Cevap: E

$$\begin{aligned}
 13. \quad & x + \sqrt{x^2 - 5x + 7} + \sqrt{x^2 - 4x + 4} + 2 + x \\
 &= x + \sqrt{x^2 - 5x + 7} + \sqrt{(x-2)^2} + 2 + x \\
 &= x + \sqrt{x^2 - 5x + 7} + |x-2| + 2 + x \\
 &= x + \sqrt{x^2 - 5x + 7 - x + 2} + 2 + x \\
 &= x + \sqrt{x^2 - 6x + 9} + 2 + x \\
 &= x + \sqrt{(x-3)^2} + 2 + x \\
 &= x + |x-3| + 2 + x \\
 &= x - x + 3 + 2 + x \\
 &= x + 5
 \end{aligned}$$

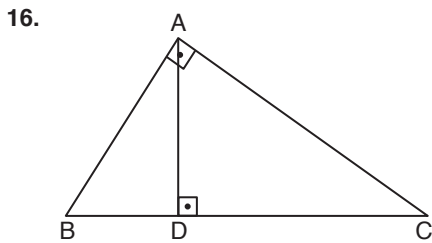
Cevap: E

$$\begin{aligned}
 14. \quad & \sqrt[3]{2^5 \sqrt{x}} = \sqrt[3]{2^5 \cdot 5^3} \\
 & \sqrt[3.5]{x \cdot 2^5} = \sqrt[15]{2^5 \cdot 3^3} \\
 & x \cdot 2^5 = 2^5 \cdot 3^3 \\
 & x = 3^3
 \end{aligned}$$

Cevap: E

$$\begin{aligned}
 15. \quad & \cdot \frac{a+b}{6} = \frac{8}{2} \\
 & \cdot \frac{a}{b} + 1 = c \Rightarrow \frac{6}{2} + 1 = c \\
 & \quad \quad \quad 3 + 1 = c = 4
 \end{aligned}$$

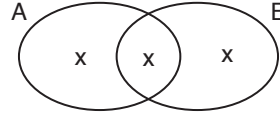
Cevap: C



$$\begin{aligned}
 \Rightarrow & |AD|^2 = |BD| \cdot |DC| \\
 \cdot & |BD|^2 + 2|AD|^2 + |DC|^2 = 100 \\
 & |BD|^2 + 2|BD| \cdot |DC| + |DC|^2 = 100 \\
 & (|BD| + |DC|)^2 = 100 \\
 & |BD| + |DC| = 10 \\
 & |BC| = 10
 \end{aligned}$$

Cevap: C

$$17. \quad n = (A - B) = n(B - A) = n(A \cap B) = x$$



$$\begin{aligned}
 \Rightarrow & n(A \cup B) = 3x = 24 \\
 & \quad \quad \quad x = 8 \\
 & n(A) = 2x = 2 \cdot 8 = 16
 \end{aligned}$$

Cevap: D

$$\begin{aligned}
 18. \quad & \frac{1}{\log_3 9 + \log_3 2} + \frac{1}{\log_2 2 + \log_2 9} + \frac{1}{\log_3 18} \\
 &= \frac{1}{\log_3 9 \cdot 2} + \frac{1}{\log_2 2 \cdot 9} + \log_{18} 3 \\
 &= \frac{1}{\log_3 18} + \frac{1}{\log_2 18} + \log_{18} 3 \\
 &= \log_{18} 3 + \log_{18} 2 + \log_{18} 3 \\
 &= \log_{18} 3 \cdot 2 \cdot 3 = \log_{18} 18 = 1
 \end{aligned}$$

Cevap: C

$$\begin{aligned}
 19. \quad & x = -2 \Rightarrow g(x) = 3 - f(x-2) \\
 & \quad \quad \quad g(-2) = 3 - f(-4) = 3 - 0 = 3 \\
 & x = 5 \Rightarrow g(x) = 3 - f(x-2) \\
 & \quad \quad \quad g(5) = 3 - f(3) = 3 - 3 = 0 \\
 \Rightarrow & g(-2) + g(5) = 3 + 0 = 3
 \end{aligned}$$

Cevap: E

$$\begin{aligned}
 20. \quad & \cdot f(3) = 3^2 - 3 + 2 = 8 \\
 & \quad \quad \quad g(2) = 2^2 - 1 = 3 \\
 \Rightarrow & \underbrace{(g \circ f)(3)}_8 + \underbrace{(f \circ g)(2)}_3 \\
 &= g(8) + f(3) \\
 &= 3 \cdot 8 - 2 + 3^2 - 3 + 2 \\
 &= 24 - 2 + 9 - 3 + 2 \\
 &= 30
 \end{aligned}$$

Cevap: E

TASARI EĞİTİM YAYINLARI

$$21. \frac{f(x+2)}{f(x-2)} = \frac{2^{2(x+2)+1}}{2^{2(x-2)+1}} = \frac{2^{2x+4+1}}{2^{2x-4+1}} = \frac{2^{2x+5}}{2^{2x-3}}$$

$$= 2^{2x+5-2x+3} = 2^8 = 256$$

Cevap: E

$$22. \cdot R(x) = x^2 - 1 \Rightarrow R(R(x)) = (x^2 - 1)^2 - 1$$

$$R(R(x)) = x^4 - 2x^2 + 1 - 1 = x^4 - 2x^2$$

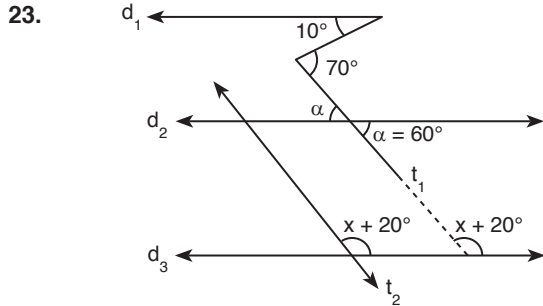
$$\cdot P(x) = R(R(x))$$

$$ax^4 + bx^3 + cx^2 + dx + e = x^4 - 2x^2$$

$$\Rightarrow a = 1, \quad b = 0, \quad c = -2, \quad d = 0, \quad e = 0$$

$$a + b + c + d + e = 1 + 0 - 2 + 0 + 0 = -1$$

Cevap: C



$$70^\circ = 10^\circ + \alpha$$

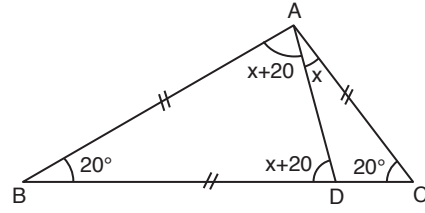
$$\alpha = 60^\circ$$

$$x + 20^\circ + 60^\circ = 180^\circ$$

$$x = 100^\circ$$

Cevap: B

24.



$$|AB| = |AC|$$

$$\Rightarrow m(\widehat{ABC}) = m(\widehat{ACB}) = 20^\circ$$

$$|AB| = |BD| \Rightarrow m(\widehat{BAD}) = m(\widehat{ADB}) = x + 20$$

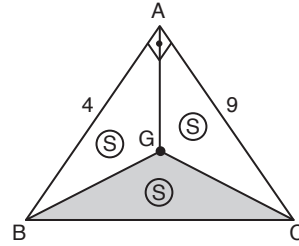
$$\Rightarrow 20 + x + 20 + x + 20 = 180$$

$$2x = 120$$

$$x = 60^\circ$$

Cevap: D

25.



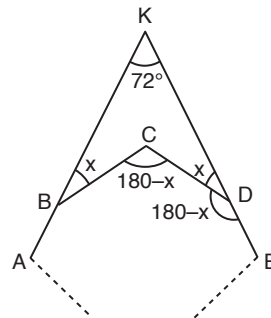
$$3S = \frac{4.9}{2}$$

$$3S = 18$$

$$S = 6 \text{ cm}^2$$

Cevap: A

26.



$$\left(\triangle KCE \right) \Rightarrow 72 + x + x = 180 - x$$

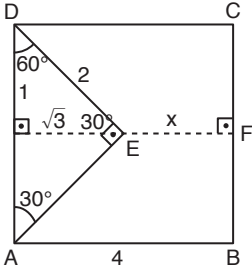
$$3x = 108$$

$$x = 36^\circ$$

$$\Rightarrow \text{Kenar Sayısı} = \frac{360^\circ}{x} = \frac{360}{36} = 10 \text{ 'dur.}$$

Cevap: C

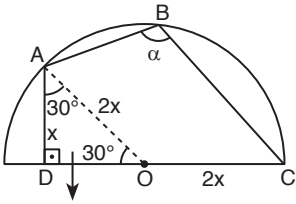
27.



$$x + \sqrt{3} = 4 \Rightarrow x = 4 - \sqrt{3}$$

Cevap: B

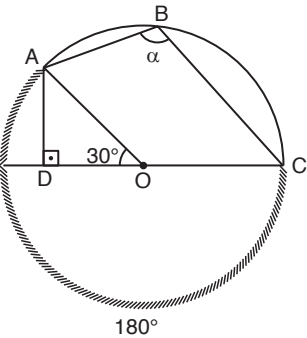
28.



$|AD| = x$ ve $|AO| = 2x \Rightarrow$ ise

$(30^\circ - 60^\circ - 90^\circ) m(\widehat{DAO}) = 60^\circ$ ve

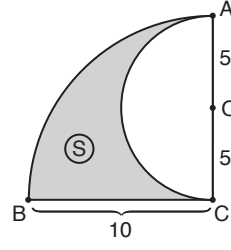
$m(\widehat{DOA}) = 30^\circ$ olur.



$$\Rightarrow \alpha = \frac{30 + 18}{2} = 105^\circ$$

Cevap: E

29.

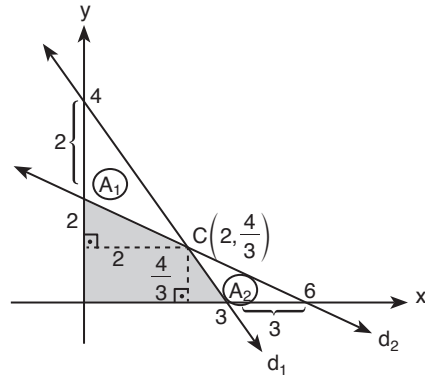


$$\begin{aligned} \text{Taralı Alan} &= \frac{\pi 10^2}{4} - \frac{\pi 5^2}{2} \\ &= 25\pi - \frac{25\pi}{2} \\ &= \frac{50\pi - 25\pi}{2} \\ &= \frac{25\pi}{2} \text{ cm}^2 \end{aligned}$$

Cevap: A

TASARI EĞİTİM YAYINLARI

30.



$$d_1: \frac{x}{3} + \frac{y}{4} = 1 \Rightarrow 4x + 3y = 12$$

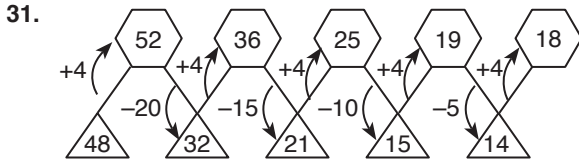
$$\begin{aligned} d_2: \frac{x}{6} + \frac{y}{2} = 1 &\Rightarrow -x + 3y = 6 \\ 3x &= 6 \\ x &= 2 \\ y &= \frac{4}{3} \end{aligned}$$

$$A_1 = \frac{2 \cdot 2}{2} = 2$$

$$\Rightarrow A_1 + A_2 = 4$$

$$A_2 = \frac{3 \cdot \frac{4}{3}}{2} = 2$$

Cevap: C



A + B = 14 + 18 = 32 bulunur.

Cevap: D

32. $n^2 + (n + 1)$ ifadesi kullanılmış.

2. $\rightarrow 2^2 + (2 + 1) = 7$

3. $\rightarrow 3^2 + (3 + 1) = 13$

⋮

6. $\rightarrow 6^2 + (6 + 1) = 43$

7. $\rightarrow 7^2 + (7 + 1) = 57$

8. $\rightarrow 8^2 + (8 + 1) = 73$

O halde,

1. $\rightarrow X = 1^2 + (1 + 1) = 3$

20. $\rightarrow Y = 20^2 + (20 + 1) = 421$

$Y - X = 421 - 3 = 418$ bulunur.

Cevap: D

33. I. tablodan

$a + c = 13$

II. tablodan

$a.b = 18$

$+ \quad b.c = 8$

$\hline b(a + c) = 26$

$\quad \quad \quad \underline{13}$

$\quad \quad \quad b = 2$

$a.2 = 18 \Rightarrow a = 9$

$2.c = 8 \Rightarrow c = 4$

O halde

$a.b.c = 9.2.4 = 72$ bulunur.

Cevap: E

34. $\bullet \rightarrow a, \blacktriangle \rightarrow b, \blacksquare \rightarrow c$

$a + b = c$

$a - b = b \Rightarrow a = 2b$

$\rightarrow 2b + b = c \Rightarrow c = 3b$

O halde

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

$= 5$ bulunur.

Cevap: E

35. $a^2 \bullet 2b = a - b$

$a \blacksquare b = \frac{a.b}{2}$

$9 \bullet 2 = ?$

$a^2 = 9 \Rightarrow a = 3$ ve $2b = 2 \Rightarrow b = 1$

$9 \bullet 2 = 3 - 1 = 2$

$2 \blacksquare 3 = ?$

$2 \blacksquare 3 = \frac{2.3}{2} = 3$ bulunur.

Cevap: D

36. I. ve II örneklemlerden



Cevap: C

37. 5 x 5'lik bir şeklimiz bulunmakta

$5 \times 5 \quad 4 \times 4 \quad 3 \times 3 \quad 2 \times 2 \quad 1 \times 1$ (Kare Çeşitleri)

$1 \times 1 \quad 2 \times 2 \quad 3 \times 3 \quad 4 \times 4 \quad 5 \times 5$ (Kare sayısı)

$\downarrow \quad \downarrow \quad \downarrow \quad \downarrow \quad \downarrow$
 $1 + 4 + 9 + 16 + 25 = 55$ tane


kare var.

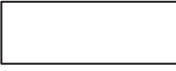
Cevap: E

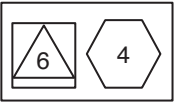
TASARI EĞİTİM YAYINLARI

38.  → içindekinin 2 katı = 2a

 → içindekinin üçte biri = $\frac{b}{3}$

 → içindekinin yarısı = $\frac{c}{2}$

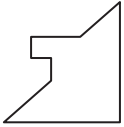
 → içindekilerin toplamı

 → ?

$\frac{6}{\frac{3}{2}} + 2.4 = 1 + 8 = 9$

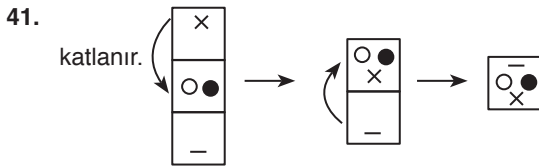
Cevap: D

39. Şekli tamamlayan



40. $6.2 + 4 = 16$
 $2.2 + 1 = 5$
 $3.4 + 2 = 14$

Cevap: B



Cevap: D

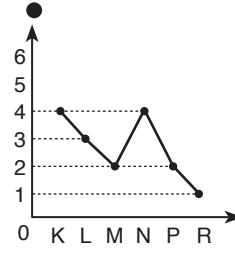
Cevap: C



Cevap: B

44. Tablodaki adetler olarak grafik tablosunda gösterilmiş O halde ●

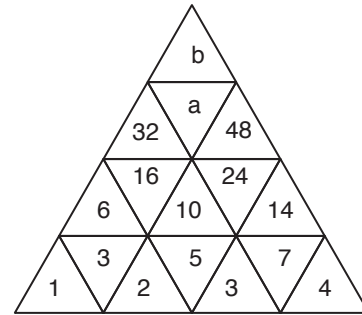
- K → 4 adet
- L → 3 adet
- M → 2 adet
- N → 4 adet
- P → 2 adet
- R → 1 adet



Cevap: C

TASARI EĞİTİM YAYINLARI

Cevap: B



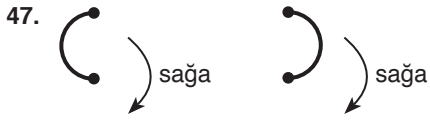
$a = 32 + 48 = 80$
 $b = 32 + 48 + 80 = 160$

Cevap: B

46. Her basamakta bulunan * = 5

* ○ ◇ → 5612'den
 ○ → 6, ◇ → 1, ◇ → 2
 ◇ △ □ * → 2345 olur.

Cevap: D



Bu durumda



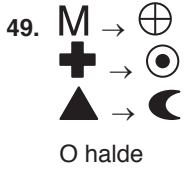
Cevap: A

48. I. _____
(Yıldız Sayısı)^{Daire Sayısı} + Kenar Sayısı
 $(3)^3 + 5 = 27 + 5 = 32$

II. _____
 $2^6 + 3 = 64 + 3 = 64$

III. _____
 $4^2 + 8 = 16 + 8 = 24$

Cevap: B



Cevap: A

50. Şekilden
1, 5, 9, ..., 217 iadesinin terim sayısını bulalım.

$$T.S = \frac{217-1}{4} + 1 = 55$$

Sol taraf $2n + 1$, sağ taraf $2n$ ifadesi

O halde

$$A = 2n + 1 = 2.55 + 1 = 111$$

$$B = 2n = 2.55 = 110$$

$$A + B = 111 + 110 = 221 \text{ bulunur.}$$

Cevap: C

51.

1. satır $\rightarrow 1 \times 1 \rightarrow 2 \times 0$	}	$\frac{1}{1}$	$\frac{2}{0}$
2. satır $\rightarrow 1 \times 1 \rightarrow 2 \times 2$		$\frac{1}{1}$	$\frac{2}{2}$
3. satır $\rightarrow 1 \times 2 \rightarrow 2 \times 3$		$\frac{2}{2}$	$\frac{3}{3}$
4. satır $\rightarrow 1 \times 3 \rightarrow 2 \times 4$		$\frac{3}{3}$	$\frac{4}{4}$
\vdots		\vdots	\vdots

2'den 209 tane var ise

$$\textcircled{1} + 2 + 3 + 4 + \dots + n = 209 + \textcircled{1} \text{ eklediğimizde}$$

$$\frac{n \cdot (n + 1)}{2} = 210$$

$$\begin{array}{c} n \cdot (n + 1) = 420 \\ \downarrow \quad \downarrow \\ 20 \quad 21 \end{array}$$

yani $n = 20$ satırdan oluşmakta 1'lerin ardışık sırası 19'a kadar olur.

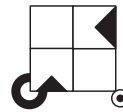
O halde 1'lerden

$$1 + 1 + 2 + 3 + \dots + 19 = \frac{20 \cdot 19}{2} = 190 + 1 = 191 \text{ tane}$$

Cevap: C

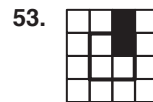
TASARI EĞİTİM YAYINLARI

52. Şekil 90 derece saat yönünün tersine çevrilmekte



Cevap: A

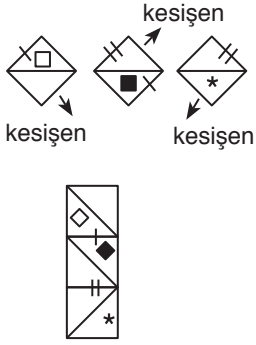
Cevap: B



Cevap: C

Cevap: B

54. Üst üste konulmakta



Cevap: C

55. Her bir dikdörtgen üstünde

$3 \rightarrow \bigcirc$, $2 \rightarrow \triangle$, $\square \rightarrow 1$ ve $\blacksquare \rightarrow 1$ tane bulunmakta

O halde

$\bigcirc \times 54$ ise $54 : 3 = 18$ tane grup oluşturulmuş

$\triangle \times 2.18 = 36$ tane = A

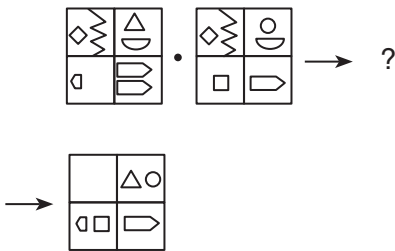
$\square \times 1.18 = 18$ tane = B

$\blacksquare \times 1.18 = 18$ tane = C

$A + B + C = 36 + 18 + 18 = 72$ bulunur.

Cevap: D

56. Üst üste konulup ortak olanlar siliniyor.



57. Kesişen iki şeklin görseli



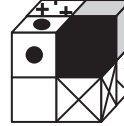
Cevap: E

58. Katlanıp kesilmiş şeklin açık hali



Cevap: E

59.



Cevap: E

60. $\blacktriangle = a$, $\blacksquare = b$, $\bullet = c$

$$4a = b \rightarrow$$

$$3c + 3a = 2b = 8a$$

$$3c = 5a$$

$$\frac{a}{b} = \frac{1.3k}{4.3k} = \frac{3k}{12k} \text{ ve } \frac{c}{a} = \frac{5k}{3k}$$

$$a = 3k, b = 12k, c = 5k$$

seçeneklerden 15k arıyoruz.

$$a + b = 3k + 12k = 15k$$

•••

Cevap: D

Cevap: B

61.



şekli tamamlayan A seçeneği

Cevap: A

62. $B = 64 - 26 = 38$

$$A = \frac{10}{2} + 26 = 31$$

$$A + B = 38 + 31 = 69$$

Cevap: C

63.

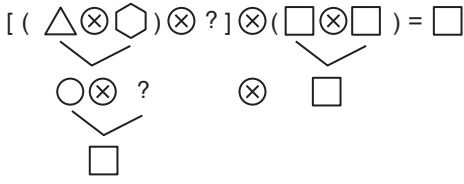


Cevap: E

Cevap: A

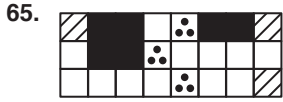
64.

⊗	△	○	□	⬡	●
△	⬡	●	△	○	□
○	●	△	○	□	⬡
□	△	○	□	⬡	●
⬡	○	□	⬡	●	△
●	□	⬡	●	△	○



olması için ? = ⬡ olmalı seçeneklerden C

● ⊗ ○ = ⬡ olmakta



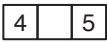
66. Her bir şekil 60° olduğu görülmekte

VI'da 2 tane ▲ → 120°

2 tane * → 120°

2 tane ✨ → 120°

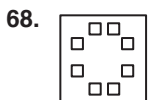
67.



↓ ↓
4 + 5

9 olmalı 0 halde

3 + K = 9 ⇒ K = 6 olur.



69. $8 \xrightarrow{3} A = \frac{1+2+3+\dots+8}{3^8} = \frac{36}{3^8}$

$4 \xrightarrow{9} B = \frac{1+2+3+4}{9^4} = \frac{10}{3^8}$

$\frac{A}{B} = \frac{\frac{36}{3^8}}{\frac{10}{3^8}} = \frac{36}{3^8} \cdot \frac{3^8}{10}$

$= \frac{18}{5}$ bulunur.

Cevap: B

70. Tablodan tersten işlem önce satır daha sonra sütun keşifim.

N K L L N R L R M N olur.

Cevap: A

Cevap: C

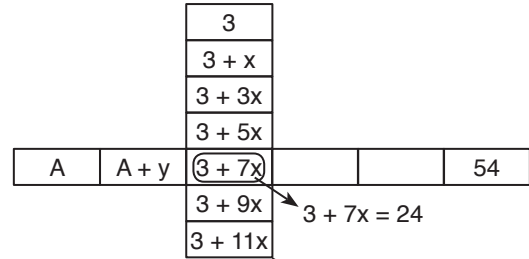
Cevap: E

Cevap: E

Cevap: D

Cevap: B

71.



3 + 7x = 24

3 + 11x = 36

11x = 33

x = 3

A + 9y = 54

↓ ↓
9 5

A + 3y = 24

↓ ↓
9 5

A = 9 bulunur.

Cevap: E

72. $[114, 19] \xleftrightarrow{x6} [184, 23] \xleftrightarrow{x8} [270, 27] \xleftrightarrow{x10} [x, y] \xleftrightarrow{12}$

C) 31 x 12 = 372

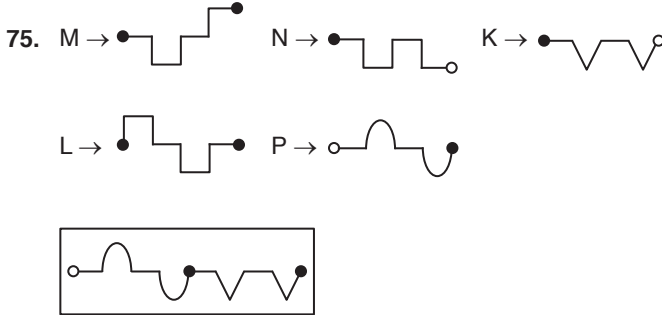
Cevap: C

73. $654 \xrightarrow{(6.5)-4} 26$
 $783 \xrightarrow{(7.8)-3} 53$
 $925 \xrightarrow{(9.2)-5} 13$
 $372 \xrightarrow{(3.7)-2} 19$

Cevap: C

74. I. $\sqrt{1+8+6+5+3+2} = \sqrt{25} = 5$
 II. $\sqrt{11+13+6+5+9+20} = \sqrt{64} = 8$
 $\sqrt{25+2+12+33+11+17} = \sqrt{100} = 10$

Cevap: D

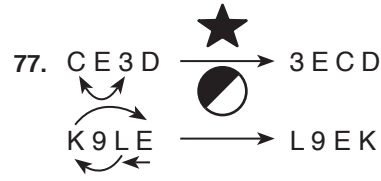


Cevap: B

76. Ardışık sayılardan hareketle
 1. → 3
 2. → 8
 3. → 13
 4. → 18
 ⋮
 25. → x

Artış miktarı = 5
 Terim Sayısı = $\frac{\text{Son Terim} - \text{İlk Terim}}{\text{Artış Miktarı}} + 1$
 $25 = \frac{x-3}{5} + 1$
 $24 = \frac{x-3}{5}$
 $x-3 = 120$
 $x = 123$ bulunur.

Cevap: D



Cevap: B



Cevap: C

TASARI EĞİTİM YAYINLARI

79.

22	25	23	26	24
23	26	24	27	25
21	24	22	25	23
22	25	23	26	24
20	23	21	24	22

? → 24 olur.

Cevap: E

80. $\frac{12.4}{8.2} = 3$, $\frac{9.6}{3.2} = 9$,
 $\frac{A.8}{10.3} = 4$, $\frac{36.4}{1.9} = 16$
 $\Rightarrow A.8 = 120$

A = 15 bulunur.

Cevap: A