

1

ŞAHİT	}	{	74981	}	HALİT= ?
ŞEHİR			04781		
HALİT			74281		
HAFİF			74585		
HARİT			06789		

- A) 74981 B) 04781 C) 74281
- D) 74585 E) 06789

2

●◆◆■▲	}	}	TAHRİK	}	●◆◆■▲▲=?
■◆◆○■			MAHKUM		
●◆◆*△★			TAHMİN		
●◆◆◆△◆			TAHSİL		
●◆◆◆◆△○			TEVHİD		

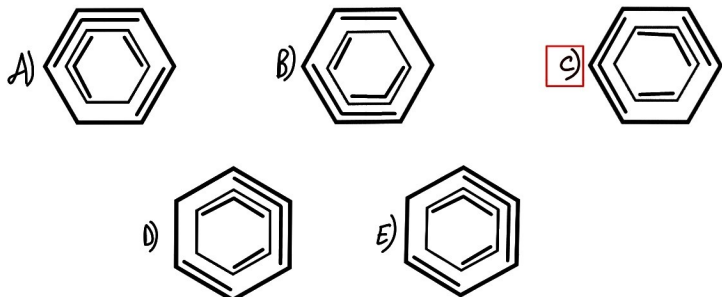
- A) TAHRİK B) MAHKUM C) TAHMİN
- D) TAHSİL E) TEVHİD

3

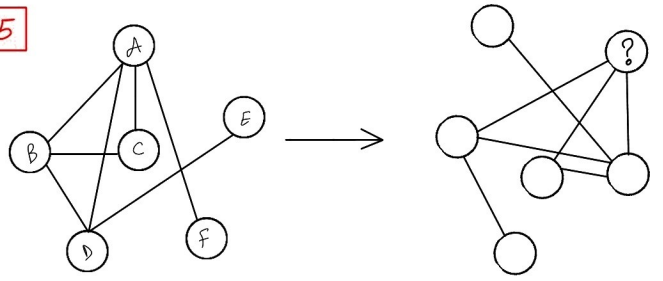
★-⊕⊗	}	}	53974	}	◆⊗+⊗★=?
⊗✓◆▲●			80621		
✓⊗▲⊕◆			06712		
◆⊗+⊗★			25498		
●★-⊗+			42130		

- A) 53974 B) 80621 C) 06712
- D) 25498 E) 42130

4 Aşağıdakilerden hangisi farklıdır ?

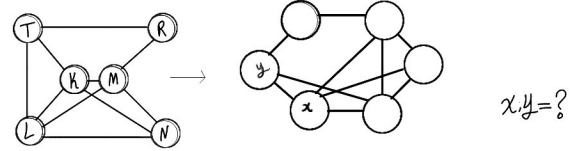


5



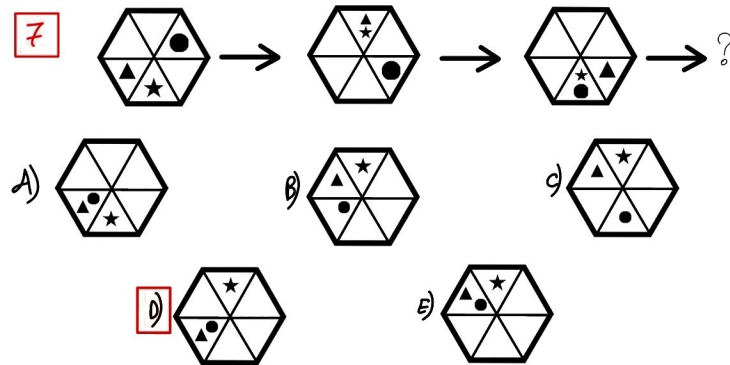
- A) A B) B C) C D) D E) E

6

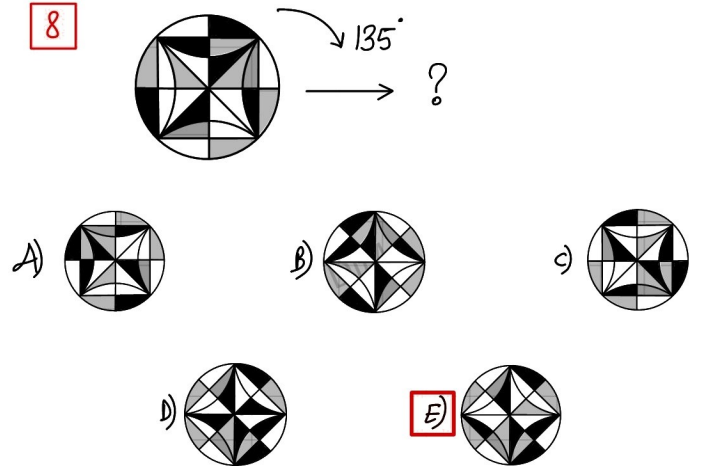


- A) 1,6 B) 3,6 C) 1,4 D) 4,1 E) 3,1

7

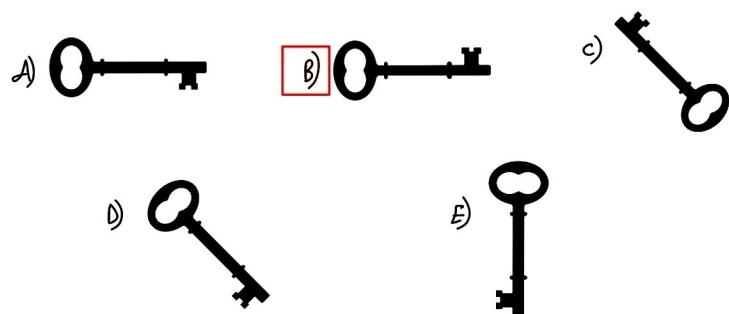


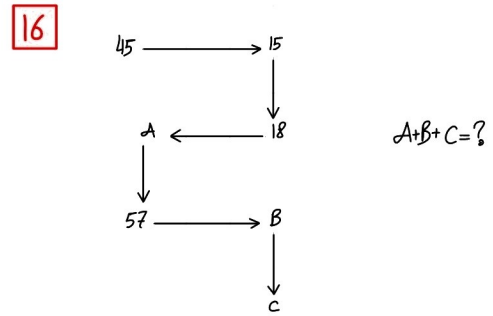
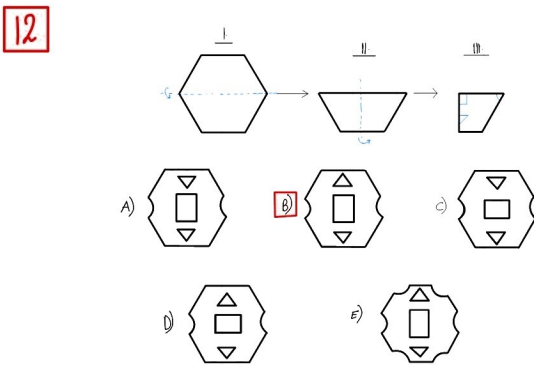
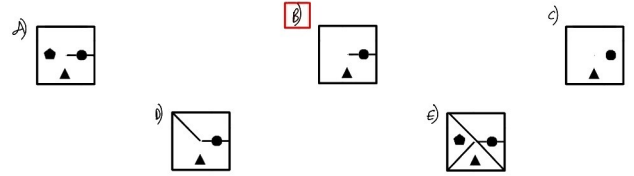
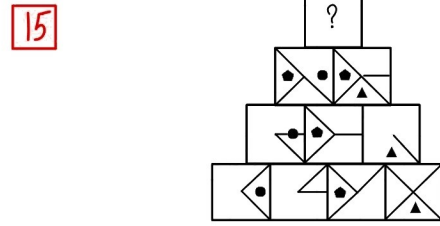
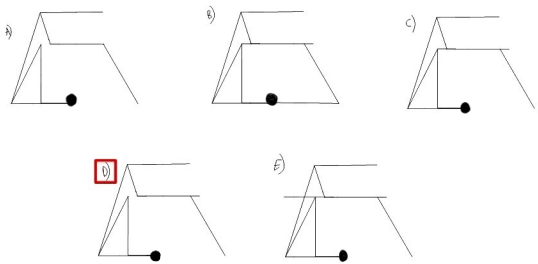
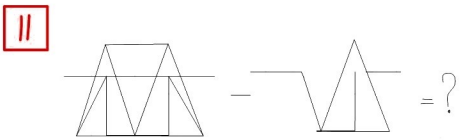
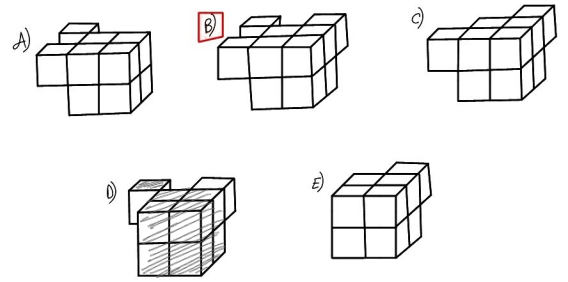
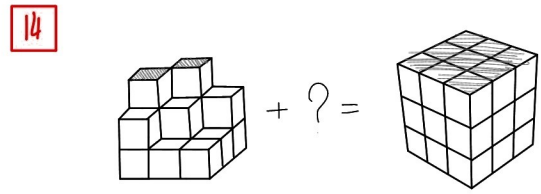
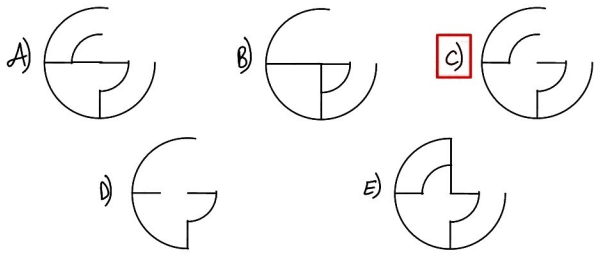
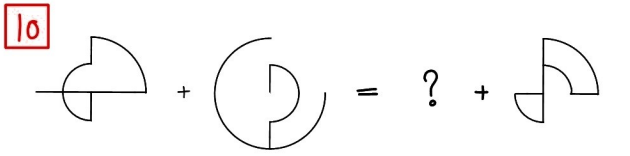
8



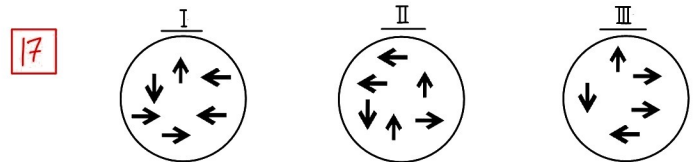
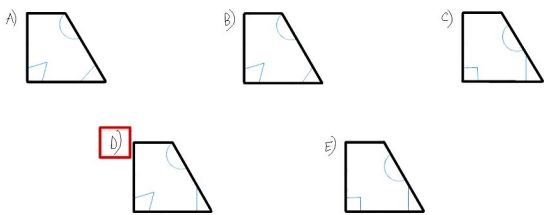
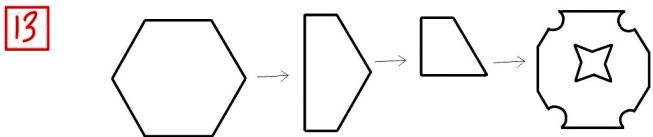
9

Aşağıdakilerden hangisi farklı ?





- A) 90 B) 95 C) 100 D) 105 E) 110



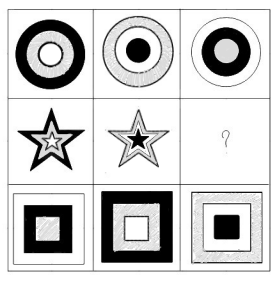
I	1	2	1	2
II	2	2	1	1
III	?	?	?	?

- A) 1,2,1,1 B) 1,1,1,2 C) 2,1,1,1 D) 1,1,2,1 E) 1,0,2,2

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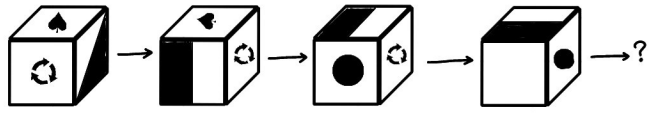


18



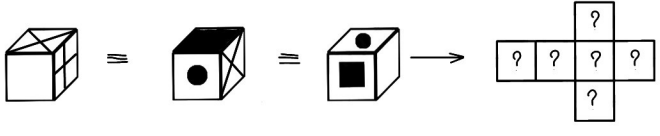
- A)
- B)
- C)
- D)
- E)

19



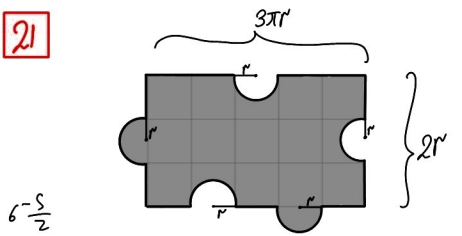
- A)
- B)
- C)
- D)
- E)

20



- A)
- B)
- C)
- D)
- E)

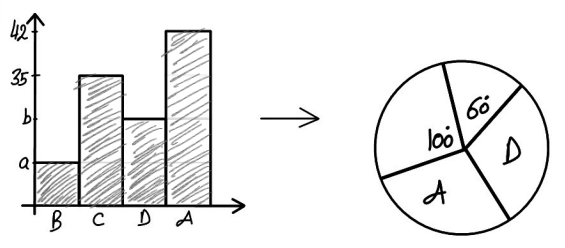
21



تالیلی Alan = ?

- A) $7\pi r^2$
- B) $\frac{12-\pi r^2}{2}$
- C) $8\pi r^2$
- D) $\frac{9\pi r^2}{2}$
- E) $\frac{11\pi r^2}{2}$

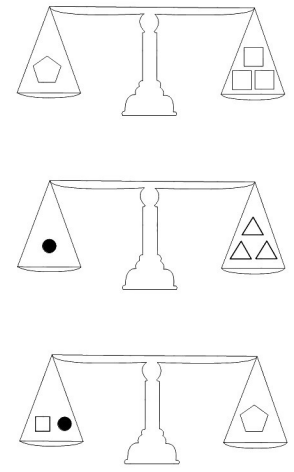
22



$a+b=?$

- A) 42
- B) 49
- C) 56
- D) 63
- E) 70

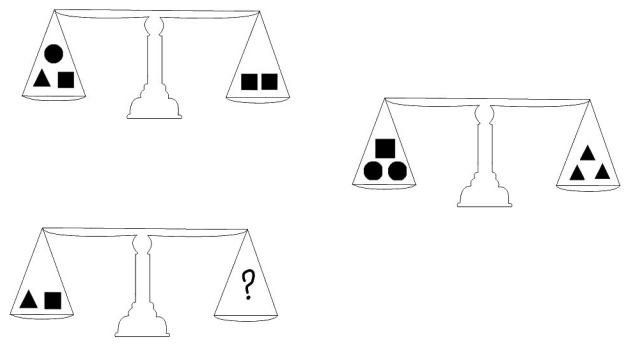
23



$5 \text{ pentagons} = \frac{1 \text{ circle} \dots 1 \text{ triangle}}{x} \dots x=?$

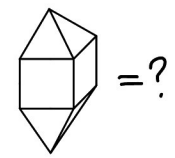
- A) 9
- B) 8
- C) 7
- D) 6
- E) 5

24



- A) ●
- B) ●●
- C) ●●●
- D) ●●●●
- E) ●●●●●

25



- A)
- B)
- C)
- D)
- E)

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26 ve 27 soruları aşağıdaki tabloya göre cevaplayınız

☆	♣	✱	⊗	⊠	⊞
♣	⊞	⊗	✱	♣	⊠
✱	✱	♣	⊠	⊗	⊞
⊗	⊠	⊞	⊗	✱	♣
⊠	♣	✱	⊞	⊠	⊗
⊞	⊗	⊠	♣	⊞	✱

26 $[(⊗ ☆ ⊠) ☆ (* ☆ ⊞)] ☆ ♣ = ?$

- A) ♣ B) ✱ C) ⊗ D) ⊠ E) ⊞

27 $[(⊠ ☆ ⊞) ☆ (? ☆ *)] ☆ ⊗ = ⊞$

- A) ♣ B) ✱ C) ⊗ D) ⊠ E) ⊞

28

+	a	b	c
a			$2b^2$
b			12
c	bc		

a=?

- A) 12 B) 15 C) 18 D) 24 E) 27

29 $k, l, m \in \mathbb{Z}$

x	k	l	m
k		10	
l			8
m	20		

$k+l+m=?$

- A) 15 B) 11 C) 4 D) -4 E) -11

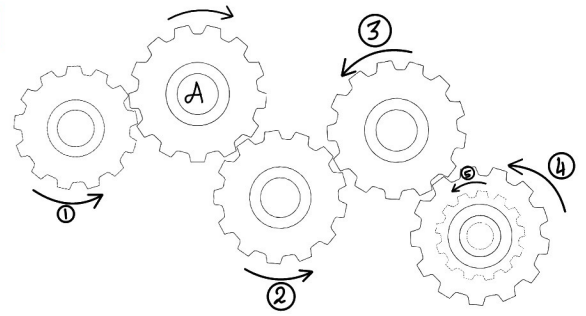
30

x	y	z	x+y	y+z	xy+xz
2	3	4	5	7	14
a	b	c	9	7	35

$a+b+c=?$

- A) 10 B) 11 C) 12 D) 13 E) 14

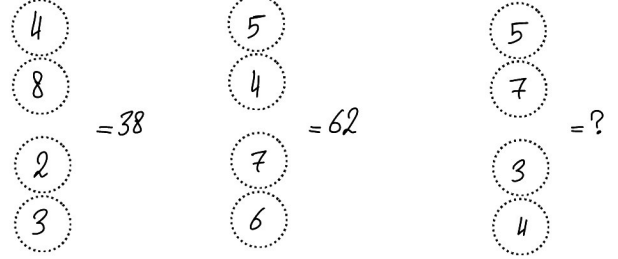
31



Yukarıda A çarkı saat yönünde döndürüldüğüne göre, hangi çarkın yönü yanlış verilmiştir?

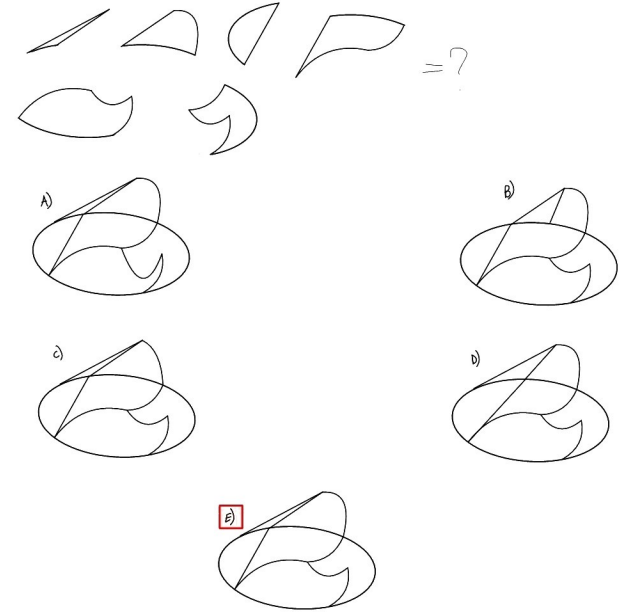
- A) 1 B) 2 C) 3 D) 4 E) 5

32



- A) 45 B) 46 C) 47 D) 48 E) 49

33



34

- ABCD = BDCA ■ ABCD = CBDA
 ● (● ABCD) = CDAB ● (■ ABCD) = ?

- A) BADC B) ACDB C) CDAB D) BACD E) DCBA

35

$KLM + MLK = ABIL \rightarrow A+B=?$

- A) 5 B) 6 C) 7 D) 8 E) 9

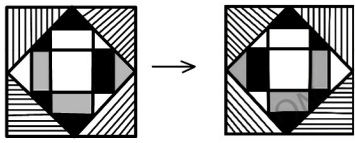
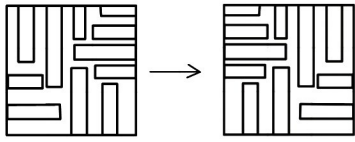
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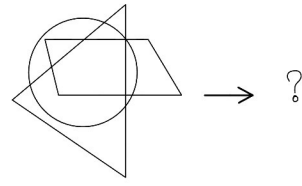
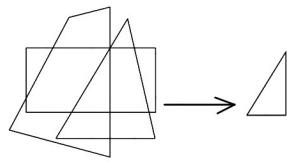


36



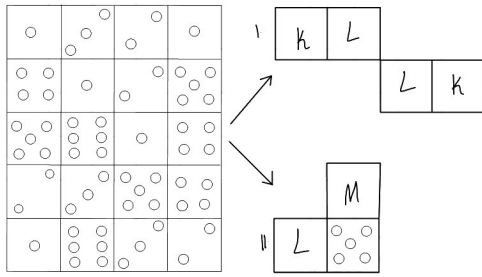
- A)
- B)
- C)
- D)
- E)

39



- A)
- B)
- C)
- D)
- E)

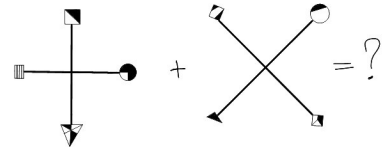
37



k L M = ?

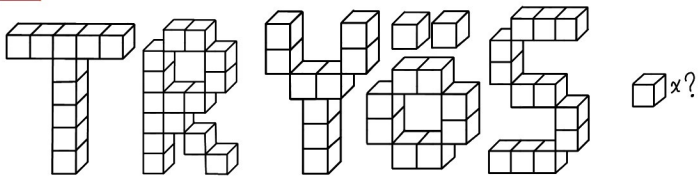
- A)
- B)
- C)
- D)
- E)

40



- A)
- B)
- C)
- D)
- E)

38



- A) 59
- B) 58
- C) 57
- D) 56
- E) 55

41

$$f \circ g(x) = \frac{g(x)}{3} + 5$$

$$g \circ f(x) = 2f(x) - 3$$

$$\Rightarrow f \circ g(6)$$

- A) 5
- B) 6
- C) 7
- D) 8
- E) 9

42

$$f \circ g(x) = 4x + 1$$

$$f - g(x) = 4x - 8$$

$$f \circ f(x) = ?$$

- A) 10
- B) 9
- C) 8
- D) 7
- E) 6

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44 $\sqrt[3]{27x-27} + \sqrt[3]{8y+8} = 8$
 $\sqrt[3]{125x-125} - \sqrt[3]{y+1} = 9$
 $x+y=?$
 A) 10 B) 9 C) 8 D) 7 E) 6

45 $\frac{\sqrt{32}-\sqrt{128}+\sqrt{98}}{\sqrt{36}}=?$
 A) $\sqrt{2}$ B) $\frac{1}{2}$ C) $\frac{\sqrt{2}}{2}$ D) $2\sqrt{2}$ E) $-\sqrt{2}$

46 $\frac{x^3+ax^2+bx+1}{2x+3} \Big| \frac{x^2}{x+1}$ $a+b=?$
 A) -2 B) -1 C) 0 D) 1 E) 2

47 $\frac{2P(x)-Q(x-1)}{2x} = x^2+3x$
 $P(x) \Big| \frac{x+1}{3} \rightarrow Q(-2)=?$
 A) -2 B) -1 C) 0 D) 1 E) 2

48 $\frac{3^{x+2}-9^{x+1}}{27^{x+1}} = 4 \rightarrow 3^x \frac{1}{3^x}$
 A) $\frac{15}{2}$ B) $\frac{27}{2}$ C) $\frac{17}{4}$ D) $\frac{18}{5}$ E) $\frac{16}{3}$

49 $\frac{4x^2-y^2}{4x^2+4xy+y^2} \cdot \frac{2x-y}{4x^2+2xy}$
 A) $x+2y$ B) $2x-y$ C) $2x$ D) $\frac{(2x-y)^2}{2x(2x+y)^2}$ E) $\frac{2x+y}{x}$

50 $\frac{2x+3}{2} - \frac{3x+1}{3} = \frac{x}{2} + 3$
 A) -4 B) $-\frac{12}{5}$ C) $-\frac{11}{3}$ D) $\frac{4}{3}$ E) $\frac{13}{4}$

51 $\frac{1}{b^2} - \frac{1}{a^2} = \frac{5}{36}$, $\frac{1}{a} + \frac{1}{b} = \frac{5}{8}$
 $ab=?$
 A) 4 B) 6 C) 8 D) 9 E) 12

52 $abc < 0$
 $ab = -16$
 $bc = 4 \rightarrow a+b+c=?$
 $ac = -9$
 A) $-\frac{7}{3}$ B) $-\frac{11}{6}$ C) $\frac{11}{6}$ D) $\frac{7}{3}$ E) $\frac{16}{3}$

53 $\frac{(61-57)(101-91)}{(111-101)}=?$
 A) 27 B) 36 C) 48 D) 54 E) 72

54 $\frac{-1-3^4+3^{12}+3^8}{3^8-1}=?$
 A) 27 B) 36 C) 82 D) 213 E) 324

55 $|1-a|=9+a$, $|x-a|=x+3 \rightarrow x=?$
 A) -2 B) -1 C) 0 D) 1 E) 2

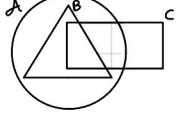
56 $f(x)=f(x-1)-x$
 $f(1)=3 \rightarrow f(4)=?$
 A) -800 B) -816 C) -824 D) 824 E) 816

57 $\frac{3}{8} - (\frac{1}{2} - \frac{5}{4}) - (\frac{17}{8} - 3)$
 A) -2 B) -1 C) 0 D) 1 E) 2

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61 $(A \cap B) / C = \{1, 2\}$
 $(A \cap C) / B = \{4, 5\}$
 $A / B = \{3, 4, 5, 6\}$
 $\Rightarrow A / C = ?$
 A) $\{1, 2\}$ B) $\{5, 6\}$ C) $\{3, 6, 4, 5\}$
 D) $\{1, 2, 3, 6\}$ E) $\{1, 2, 3, 4, 5, 6\}$

62  $T_A = ?$

A) $(C/A) \cap B$ B) $(A/C) \cup B$ C) $(A \cap C) / B$
 D) $(C \cap B) \cup (A/B)$ E) $(B/C) / A$

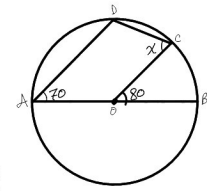
70 $\frac{ABC}{0} | 5$ $\frac{ABC}{0} | 6$

$\text{Max}(ABC) = ?$

A) 930 B) 935 C) 960 **D) 990** E) 999


64 $n! = 1 \cdot 2 \cdot 3 \cdot \dots \cdot (n-1) \cdot n$
 $\Rightarrow \frac{(n+3)! + (n+2)!}{(n+2)!} = ?$

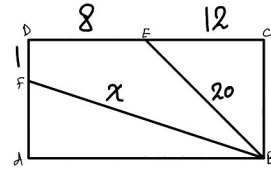
A) $n!$ B) $(n+1)$ C) $2n$ D) $n+2$ **E) $n+4$**

71  $|AB|$, O merkezli çemberin çapı
 $m(\widehat{AOB}) = 70$, $m(\widehat{COB}) = 80$
 $m(\widehat{BOC}) = x = ?$
 $\Rightarrow x = ?$

A) 90 B) 80 C) 70 **D) 60** E) 50

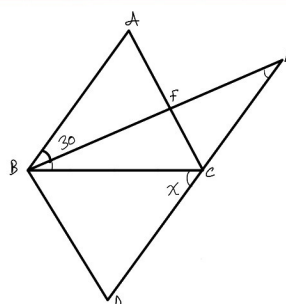
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72  $|ABCD|$ dikdörtgen
 $|EC|=12$, $|DE|=8$
 $|BE|=20$, $|BF|=1$
 $\Rightarrow |BF|=x = ?$

$\Rightarrow x = ?$

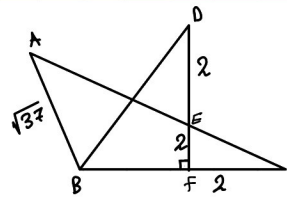
A) 9 B) 12 C) 15 D) 20 **E) 25**

73  $|AB|=|BF|$, $|FE|=|EC|=|BC|$
 $m(\widehat{ABF}) = 30$
 $\Rightarrow m(\widehat{BCD}) = x = ?$

A) 45 **B) 60** C) 90 D) 120 E) 150

66 $\left(\frac{-1}{a^2}\right)^5 (-a^2)^3 \left(\frac{1}{a}\right)^2 (a^3)$

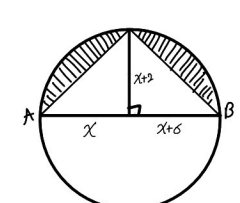
A) $-a^3$ B) $-a^2$ C) a^2 **D) a^{-3}** E) $-a^3$

74  $|BD|=5$
 $|DE|=|EF|=|FC|=2$
 $A(ABC) = ?$

A) 12 **B) 15** C) 18 D) 21 E) 24

67 $\frac{a}{5} = \frac{3}{b}$
 $abc = 60$
 $\Rightarrow c = ?$

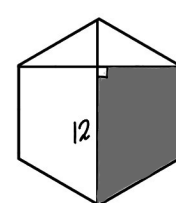
A) 1 B) 2 C) 3 **D) 4** E) 5

75  $|AB|$ çaplı çemberde
 $T.A = ?$

A) $\frac{15\pi}{2}$ B) $\frac{15}{2}$ C) $\frac{25\pi}{2} - 10$ **D) $\frac{25\pi}{2} - 20$** E) $25\pi - 20$

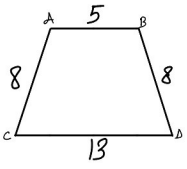
69 $x < 0$
 $x = 3y$
 $y = \frac{z}{2}$
 $\Rightarrow ? > ? > ?$

A) $x > y > z$ B) $x > z > y$ C) $y > x > z$
 D) $y > z > x$ E) $z > x > y$

76  12
 Düzgün altıgen
 $T.A = ?$

A) 40 B) 40 $\sqrt{3}$ C) 36 $\sqrt{2}$ D) 42 $\sqrt{3}$ E) 36 $\sqrt{3}$

77



$$|AB|=5, |AC|=|BD|=8$$

$$|CD|=13$$

$$\Rightarrow A(ABCD) = ?$$

A) 24

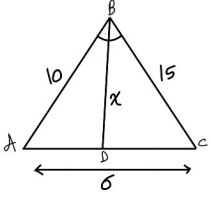
B) 27

C) 36

D) 42

E) 48

78



$$m(\hat{A}) = m(\hat{B})$$

$$|AB|=10, |BC|=15, |AC|=6$$

$$\Rightarrow |BD|=x=?$$

$$\Rightarrow x = ?$$

A) 5

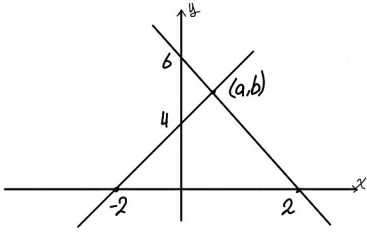
B) 12

C) 8

D) 9

E) 6

79



$$a+b = ?$$

A) $\frac{23}{5}$

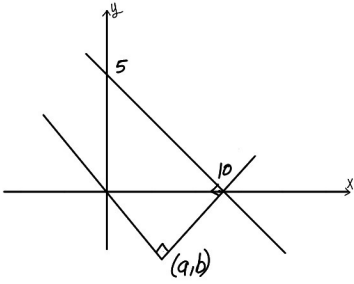
B) 5

C) 6

D) $\frac{24}{5}$

E) $\frac{27}{5}$

80



$$(a, b) = ?$$

A) (9, -4)

B) (12, -5)

C) (8, -4)

D) (10, -5)

E) (12, -6)

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۰۲۱-۸۸۵۶۲۱۷۷

