1)

$$\frac{\frac{1}{5}-(\frac{1}{8}+\frac{1}{2})}{\frac{7}{10}-\frac{4}{2}}=?$$

A) $\frac{7}{5}$ B) -1 C) $\frac{11}{4}$ D) $\frac{17}{52}$ E) $\frac{19}{52}$

2)

$$\frac{7}{5}:(\frac{1}{3}-\frac{1}{10})-4.(\frac{7}{2}-\frac{1}{4})=?$$

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

3)

$$\frac{6^3-3^3-2^3+2}{2^3}=?$$

A) 0 B) $\frac{2}{4}$ C) 1 D) $\frac{181}{8}$ E) $\frac{183}{8}$

4)

$$\frac{15^3.2^2+5.6^3}{10.9^3}=?$$

A) 1 B) $\frac{37}{19}$ C) 2 D) $\frac{37}{108}$ E) $\frac{43}{91}$

5)

$$\frac{5!.3!-6!}{4!.2!-3!}=?$$

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

6)

$$\frac{4.54^x}{6^{x-1}.2}=\frac{648}{4^{x-1}.6^x}$$

$x=?$

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

7)

$$\sqrt{\frac{\sqrt{2}.\sqrt{3}.\sqrt{5}.\sqrt{7}}{\sqrt{8}.\sqrt{10}.\sqrt{14}.\sqrt{27}}}=?$$

A) $\frac{1}{6}$ B) $\frac{1}{2}$ C) $\frac{1}{3\sqrt{3}}$ D) $\frac{1}{\sqrt{6}}$ E) $\frac{1}{2\sqrt{3}}$

8)

$$\frac{\sqrt{1000}.\sqrt{30}-\sqrt{300}}{2\sqrt{3}.3\sqrt{3}.5\sqrt{3}}=?$$

A) 1 B) $\frac{3}{4}$ C) -2 D) $\frac{1}{2}$ E) $\frac{3}{2}$

9)

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

A) a^2-ab B) $a+3b$ C) $ab-2ab$ D) $2a+b^2$ E) a^2-b^2

10)

$x^3 - x^2 - x - 1 = (x^2+1)(x-1) + nx + m$

$\rightarrow n^2 + m^2 = ?$

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

11)

$|7-b| = 9$

$|c-3| = a$

$|a+15| = 16$

$a+b+c = ?$

A) 18 B) 20 C) 21 D) 23 E) 24

12)

$3^{m-1} = \sqrt{2}$

$\rightarrow \left(\frac{1}{9}\right)^{1-m} = ?$

A) $\sqrt{2}$ B) $2\sqrt{2}$ C) 2 D) 4 E) 16

13)

$-1 < x < 0 \rightarrow ? < ? < ?$

A) $x^5 < x^4 < x^6$

B) $x^6 < x^5 < x^4$

C) $x^5 < x^6 < x^4$

D) $x^6 < x^4 < x^5$

E) $x^4 < x^5 < x^6$

14)

C tamsayı olduğuna göre,

$20 < a+3 < b-2 < 24$

$c = \frac{a+b+1}{5} \Rightarrow a+b+3 = ?$

A) 25 B) 33 C) 35 D) 40 E) 47

15)

$6x + \sqrt{3x+y} = 23$

$2y - \sqrt{3x+y} = 27$

$\rightarrow x.y = ?$

A) 40 B) 30 C) 24 D) 48 E) 50

16)

$f(2^x) = \frac{3^x + 1}{2}$

$f(a) = 14$

$f(\frac{a}{16}) = ?$

A) $\frac{2}{3}$ B) $\frac{4}{9}$ C) 2 D) $\frac{1}{2}$ E) $\frac{3}{2}$

17)

$x.y = -6$

$x(x-2y-4) = 8$

$x+y = ?$

A) 0 B) 1 C) -2 D) -3 E) -1

18)

$2f(x)+f(2-x)+x^2=8$

$f(0)+f(2)=?$

A) 2 B) 3 C) 4 D) 5 E) 6

19)

$$\begin{array}{cccc} & M & M & \\ \times & N & N & \\ \hline & M & M & \\ + & . & . & \\ \hline 8 & & 4 & M \end{array} \qquad \begin{array}{cc} NMM & \vert 59 \\ \hline 0 & A \end{array}$$

$A+M+N=?$

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

20)

$\frac{x}{y}=\frac{3}{7}$

$\frac{y+z}{3z}=\frac{3}{2}$

$\frac{y}{3x-z}=?$

A) 2 B) $\frac{3}{2}$ C) 1 D) $\frac{5}{2}$ E) 3

21)

$2x-y=x-2y=10$

$x=?$

A) 2 B) $\frac{10}{3}$ C) 5 D) $\frac{-13}{3}$ E) 6

22)

$P(x)=2x^3+ax+b$

$P(0)=P(2)$

$P(3)=47$

$a+b=?$

A) 9 B) 14 C) 17 D) 20 E) 24

23)

$Q(x)\neq 0$

$P(x)=(x-1).Q(x-a)$

$4P(x)+9H(x)=0$

$Q(0)=-H(a)$

$\rightarrow a=?$

A) $\frac{7}{2}$ B) $\frac{9}{2}$ C) $\frac{13}{4}$ D) $\frac{-13}{4}$ E) $\frac{-9}{2}$

24)

$B\subseteq A$

$C\not\subset A$

$A\cup C=\{a,b,c,d,e\}$

$A/B=\{a,b,c\}$

$A/C=\{b,c,d\}$

$B=?$

A) {a,c,d} B) {c,d} C) {e}

D) {d} E) {e,c,d}

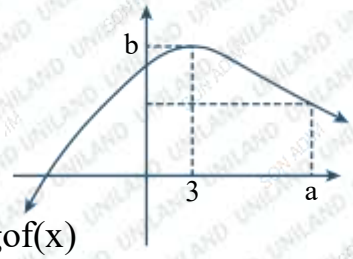
25)

$\frac{x+1}{x-3}=\frac{x-1}{3}+\frac{x-2}{6}$

$x=?$

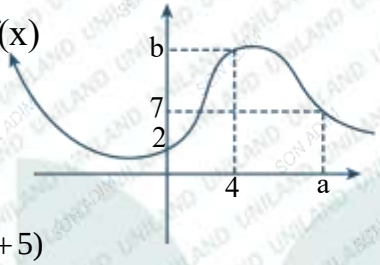
A) 1 B) 3 C) -1 D) 2 E) 6

26)



gof(x)

f(x)



$f(x-2)=g(x+5)$

$fog(6)=gof(4)$

$gof(a)=f(-1)$

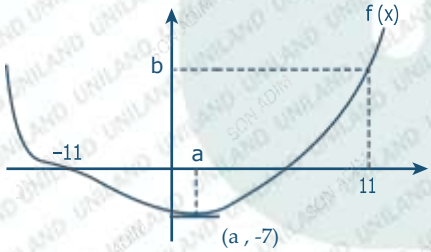
$g(10)=10$

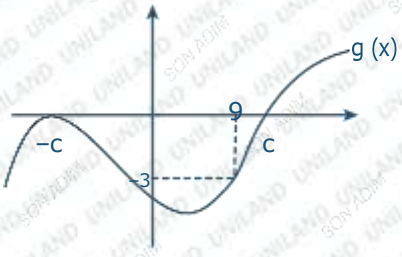
$f(0)=2$

$f(2)=?$

A) 9 B) 10 C) 12 D) 13 E) 15

27)



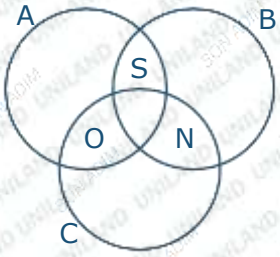


$f(x+g(x))=x.g(x)+x-c+b$

$a+b+c=?$

A) 35 B) 39 C) 41 D) 46 E) 50

28)



$A=\{1,2,3,6\}$

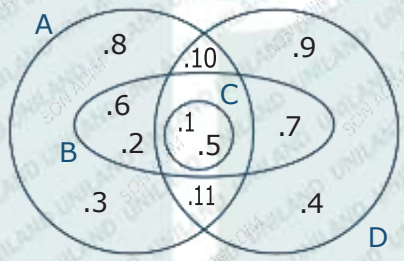
$B=\{2,3,5\}$

$C=\{3,5,6\}$

$S+O+N=?$

A) 9 B) 10 C) 11 D) 12 E) 13

29)



$(A\setminus B)\cap(D\setminus C)=?$

A) {7,10,11} B) {10,11} C) {1,5}
D) {2,6,7} E) {11}

30)

x, y *tamsayılardır.*

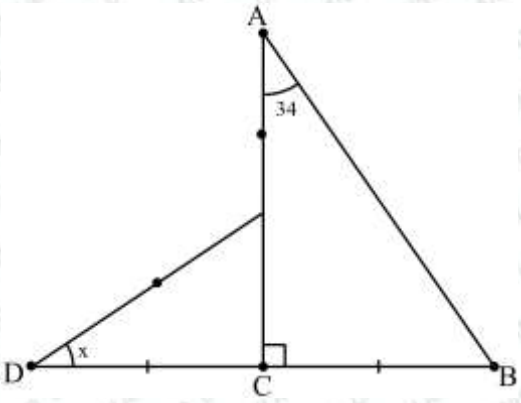
$|x-6|=|x+2|$

$|y+1|=|2y-6|$

$x-y=?$

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

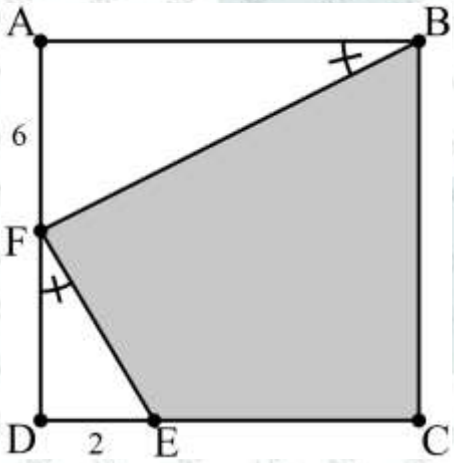
31)



X=?

A) 22 B) 29 C) 38 D) 42 E) 53

32)

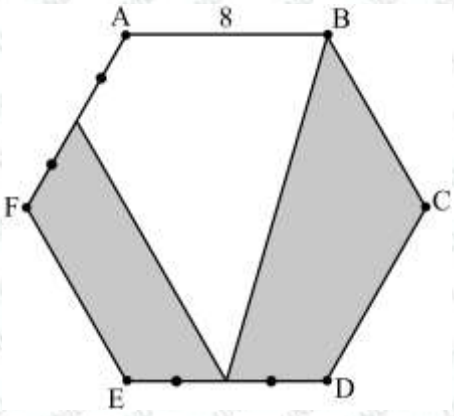


ABCD kare olduğuna göre,

taralı alan = ?

A) 49 B) 50 C) 51 D) 53 E) 55

33)

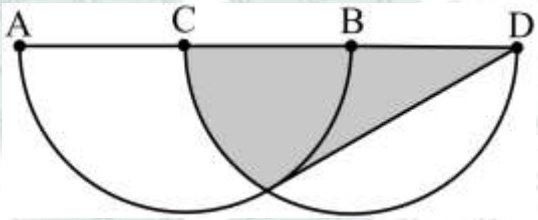


Yandaki şekil düzgün altıgen olduğuna göre,

taralı alanların toplamı kaçtır?

A) 37 B) 48 C) $\sqrt{1364}$ D) 52 E) $52\sqrt{3}$

34)



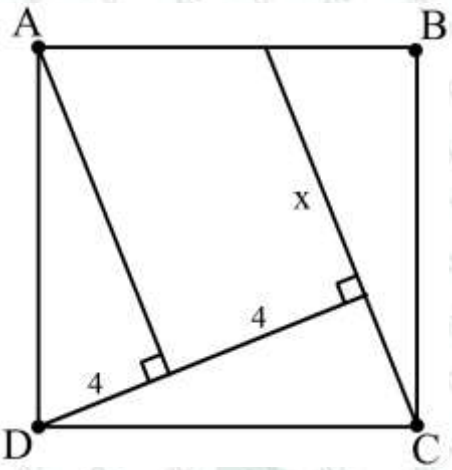
|AD| = 18

Taralı alan = ?

A) $6\pi+9\sqrt{3}$ B) $6\pi+18\sqrt{3}$ C) $3\pi-9\sqrt{3}$

D) $6\pi-9\sqrt{3}$ E) $3\pi+18\sqrt{3}$

35)

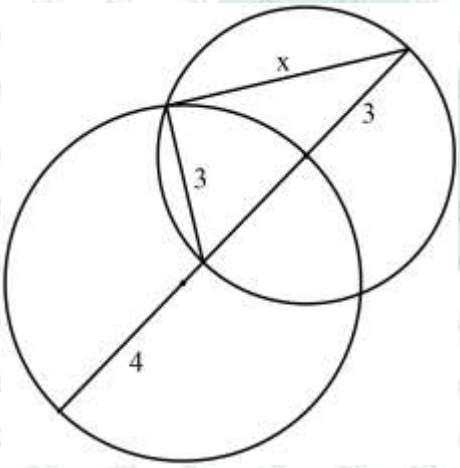


ABCD kare olduğuna göre,

x = ?

A) 4 B) 8 C) 6 D) 5 E) 7

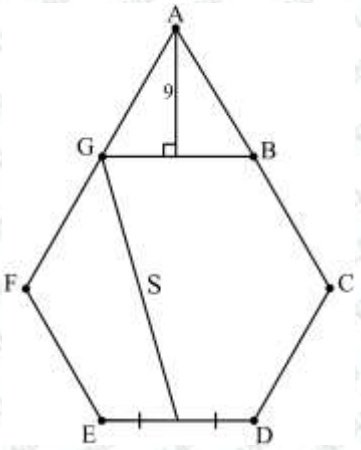
36)



x = ?

A) $\sqrt{3}$ B) $3\sqrt{3}$ C) $5\sqrt{3}$ D) $2\sqrt{3}$ E) $3\sqrt{5}$

37)



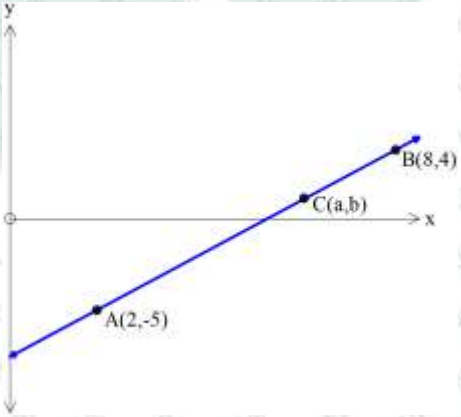
ABG eşkenar üçgen

BCDEFG düzgün altıgen olduğuna göre,

S = ?

A) 19 B) 22 C) $\sqrt{345}$ D) 18 E) $\sqrt{351}$

38)



$C \in |AB|$

$3|AC| = |AB|$

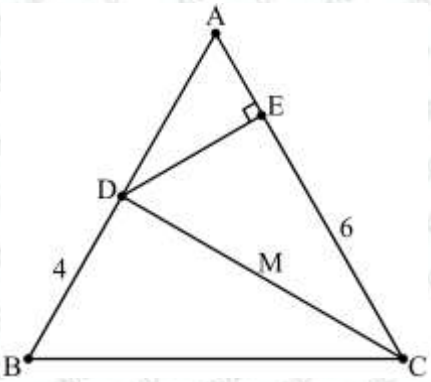
Olduğuna göreö

$(a,b) = ?$

A) (-2 , 2) B) (-2 , 4) C) (4 , -2)

D) (3 , -2) E) (4 , 3)

39)

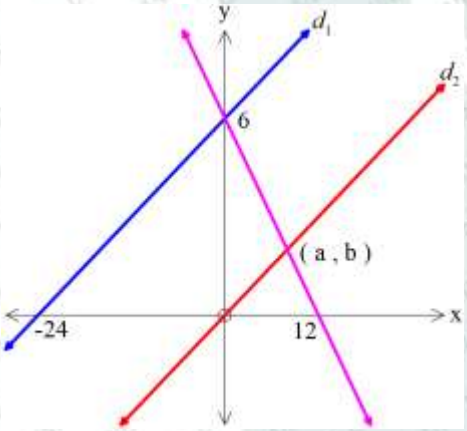


ABC eşkenar üçgen ise,

M = ?

A) 8 B) 10 C) $\sqrt{48}$ D) 9 E) $\sqrt{58}$

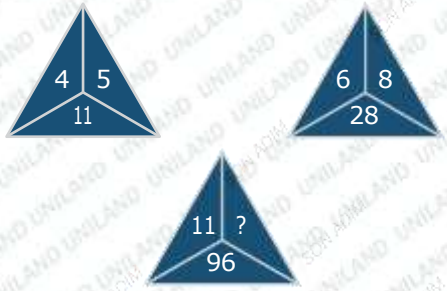
40)



A) (8 , 2) B) (7 , 4) C) (9 , 2)

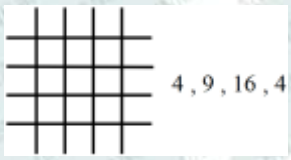
D) (2 , 8) E) (4 , 1)

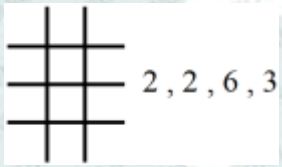
41)

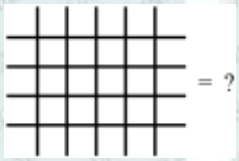


A) 16 B) 15 C) 37 D) 25 E) 36

42)



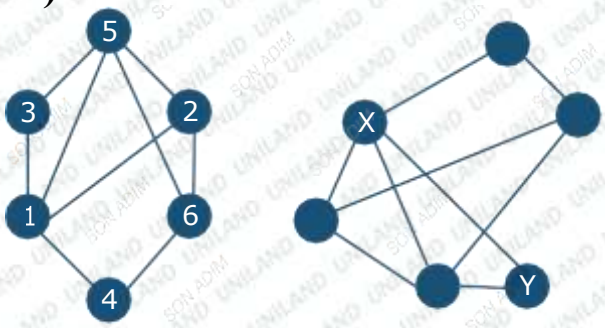




A) 5,10,20,5 B) 5,12,16,3 C) 5,12,20,4

D) 4,12,25,4 E) 5,10,25,4

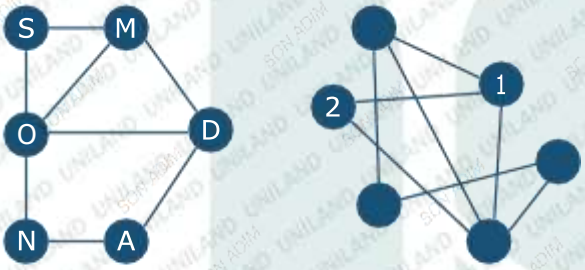
43)



Y , X = ?

A) 2,1 B) 3,5 C) 4,5 D) 3,1 E) 4,6

44)



1 , 2 = ?

A) A,D B) N,D C) A,M D) M,S E) M,O

45)

A) B) C)

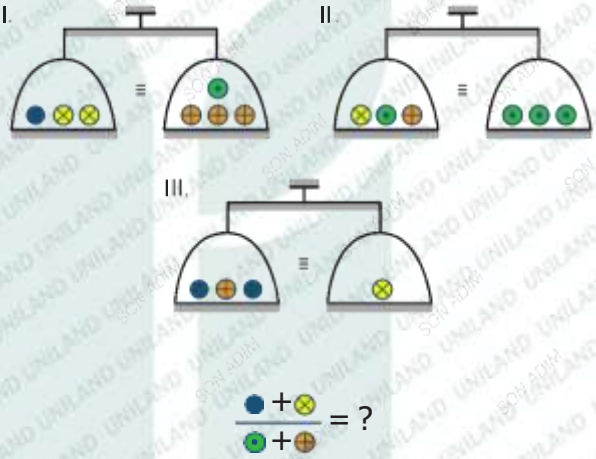
D) E)

46)

TOZLU 25314
SUMAK 47965
LOKNUM 65021
MANTO 81473
OSTAM = ?

A) 52814 B) 52874 C) 42876
D) 58674 E) 02576

47)



A) 2/3 B) 3/7 C) 1 D) 2 E) 3

48)

$a, b, c > 0$

×	a	b	c
a			$9b$
b	c		
c		$4a$	

$a + b + c = ?$

A) 11 B) 23 C) 34 D) 18 E) 30

49)

+	a	b	c
a	4x		
b		y	
c			$\frac{z}{3}$

×	a	b	c
a	x		
b		y	
c			z

$x.y.z = ?$

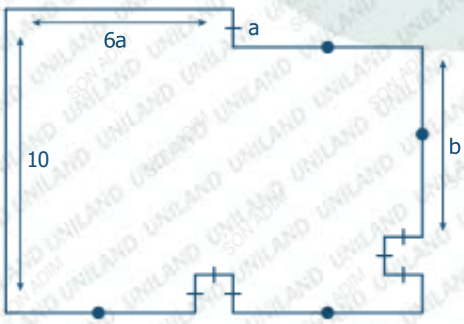
A) 12 B) 24 C) 36 D) 18 E) 30

50)

İVME
ÖYVÜ
PERÜ
ATKI
USİN
AKTÖR = ?

A) ♡▽△⊕◇ B) ⊞⬠▽♡⊕ C) ⊞◆□◇● D) ○▲☆□⊗ E) ⊞⬠▽⊗♡

51)



ÇEVRE KAÇTIR?

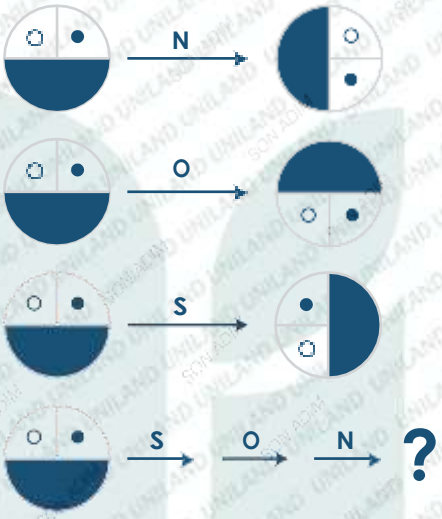
A) 44 B) 50 C) 52 D) 54 E) 55

52)

18 = 96321
8 = 421
17 = 1
15 = ?????

A) 15531 B) 531 C) 351 D) 532 E) 315

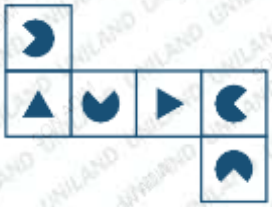
53)



A)  B)  C) 

D)  E) 

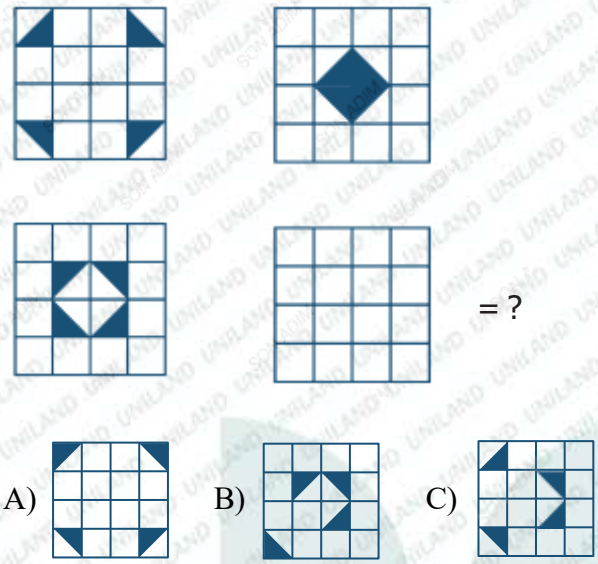
54)



A)  B)  C) 

D)  E) 

55)



A)
B)
C)
D) 
E) 

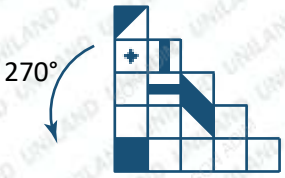
56)

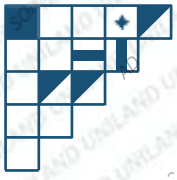
10	12	11	8	7	9
9	11	4	14	7	9
12	11	8	9	6	5
7	10	12	4	6	9
8	11	5	10	4	7
A	6	4	*B*	8	12

$A + B = ?$

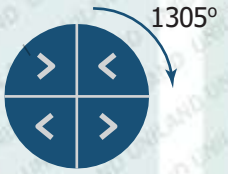
A) 12 B) 16 C) 20 D) 15 E) 18

57)



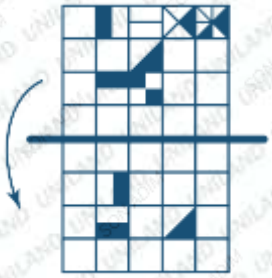
A) 
B) 
C) 
D) 
E) 

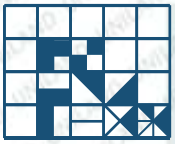
58)



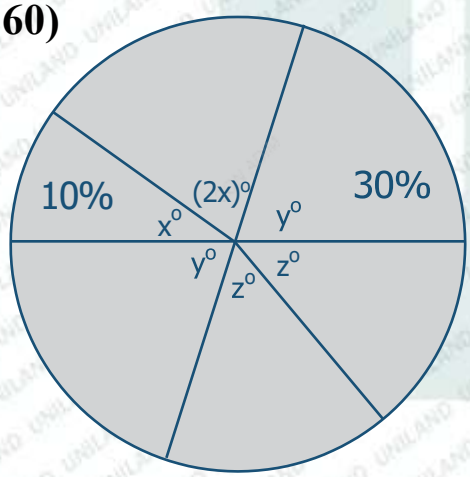
A) 
B) 
C) 
D) 
E) 

59)



A) 
B) 
C) 
D) 
E) 

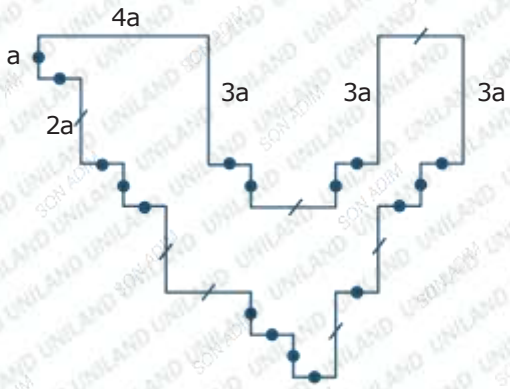
60)



X + Y + Z = ?

A) 162 B) 96 C) 180 D) 164 E) 120

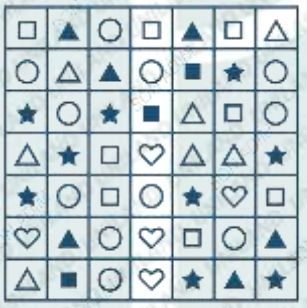
61)

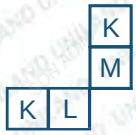


ALAN KAÇ = ?

A) 28 B) 31 C) 33 D) 34 E) 35

62)

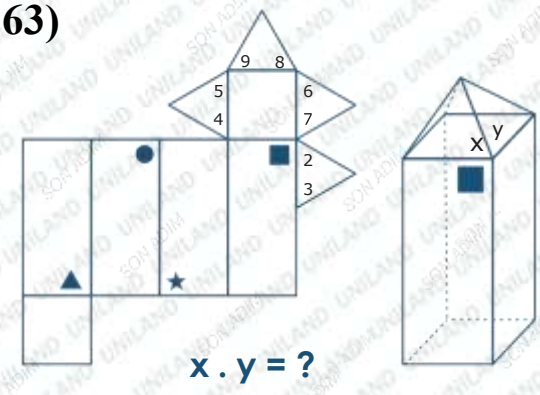


I 

II 

	M	N
A)	□	♡
B)	○	♡
C)	□	★
D)	★	▲
E)	■	□

63)



A) 14 B) 24 C) 21 D) 27 E) 18

64)

A) 

B) 

C) 

D) 

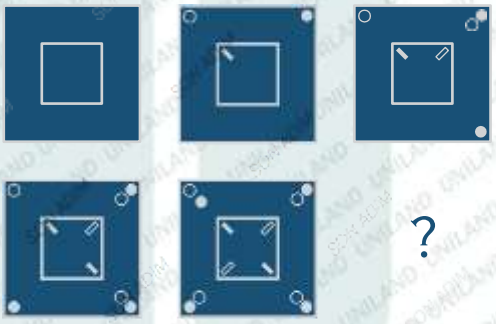
E) 

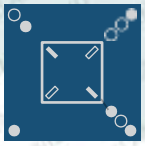
65)

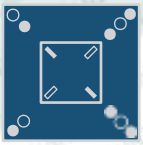
e	c	d	b	d	a	f
f	d	a	c	f	d	e
b	a	d	b	c	a	e
e	a	c	c	b	a	c
f	b	a	a	e	d	b
c	a	b	d	c	b	a
a	d	c	b	f	e	c

	1	3
A)	b	c
B)	c	a
C)	d	e
D)	c	b
E)	a	c

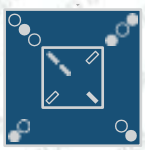
66)



A) 

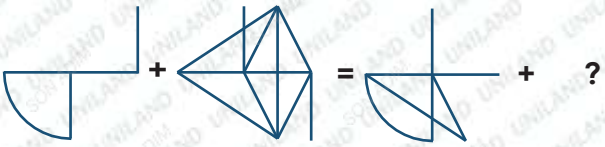
B) 

C) 

D) 

E) 

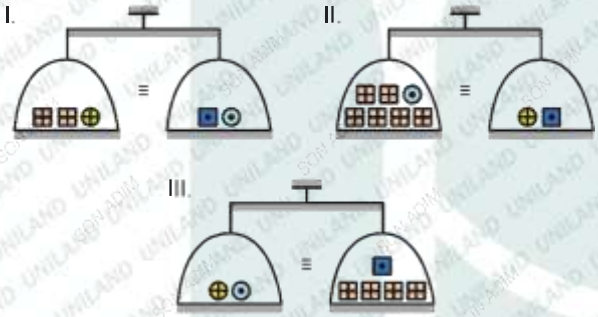
67)



A)  B)  C) 

D)  E) 

68)



?>?>?>?

A) ⊙ < ⊞ < ⊕ < ■

B) ■ < ⊞ < ⊕ < ⊙

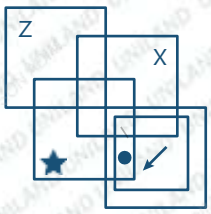
C) ⊞ < ⊙ < ⊕ < ■

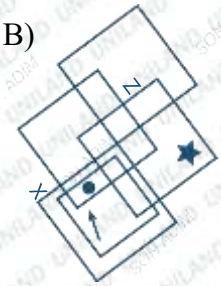
D) ⊙ < ⊞ < ■ < ⊕

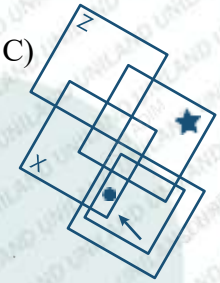
E) ⊞ < ⊙ < ■ < ⊕

69)

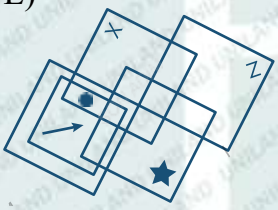
Hangisi diğerlerinden farklıdır?

A) 

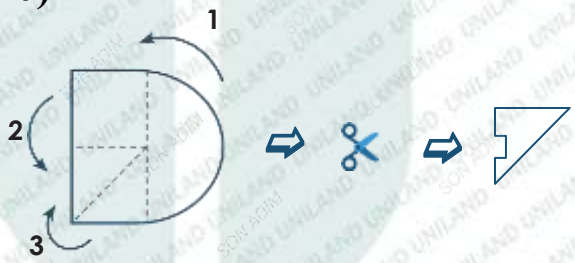
B) 

C) 

D) 

E) 

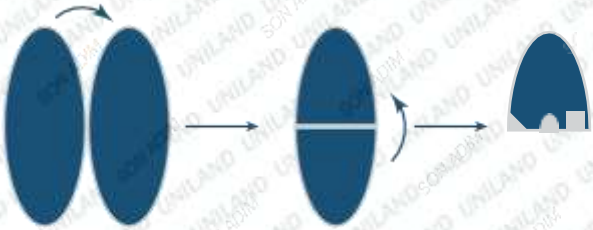
70)



A)  B)  C) 

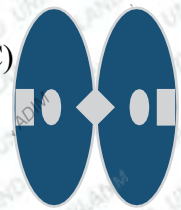
D)  E) 

71)

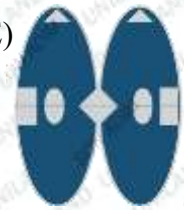


A) 

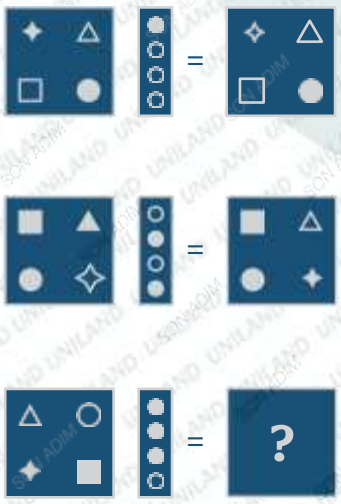
B) 

C) 

D) 

E) 

72)



A) 

B) 

C) 

D) 

E) 

73)

Hangisi diğerlerinden farklıdır?

A) 

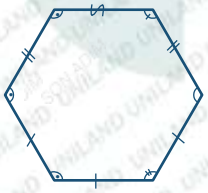
B) 

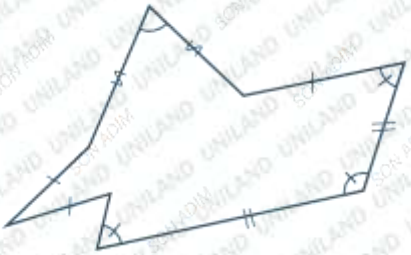
C) 

D) 

E) 

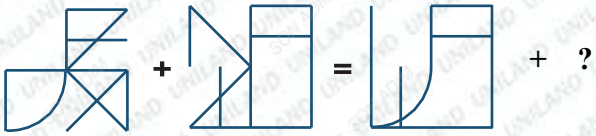
74)





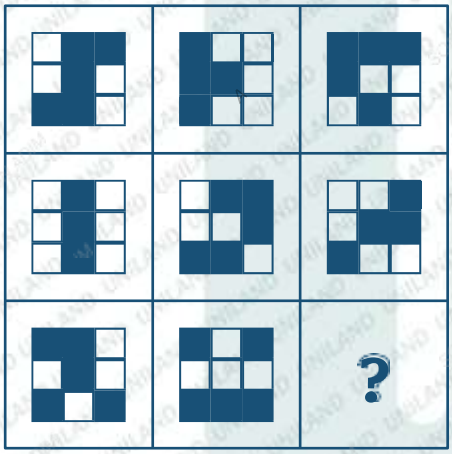
A) 14 B) 12 C) 15 D) 6 E) 24

75)



A) 
B) 
C) 
D) 
E) 

76)



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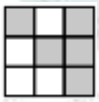
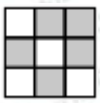
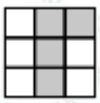
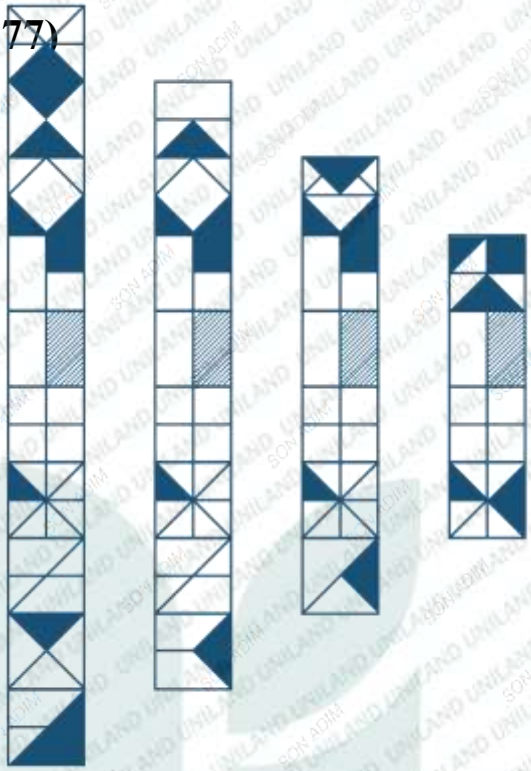
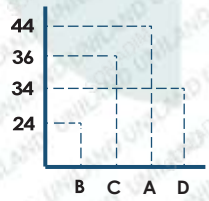
B) 
C) 
D) 
E) 

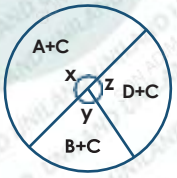
77)

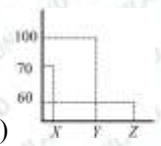
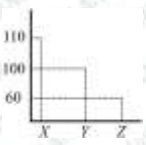
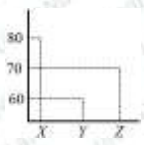
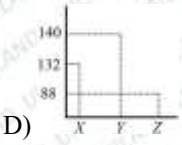
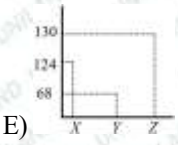


A) 
B) 
C) 
D) 
E) 

78)

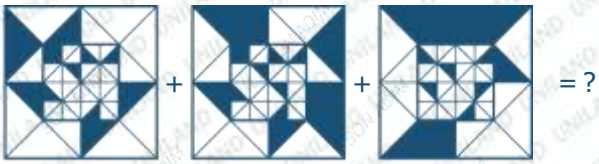




A) 
B) 
C) 
D) 
E) 

UNILAND

79)



A) 

B) 

C) 

D) 

E) 

80)

A) 

B) 

C) 

D) 

E)