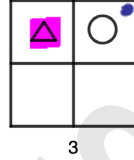
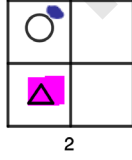
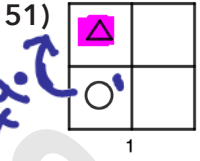


A

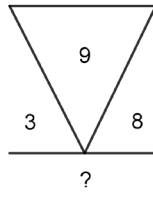
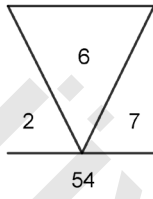
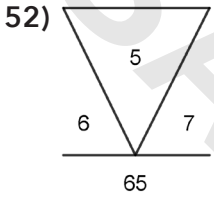
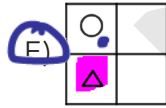
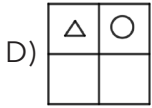
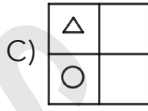
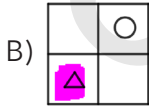
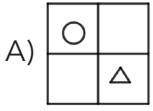


?

6

Yukarıdaki şekiller bir kurala göre dizilmiştir. Bu kurala göre ? ile gösterilen yere aşağıdakilerden hangisi gelmelidir?

Which answer fits in the missing space to complete the pattern?



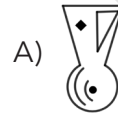
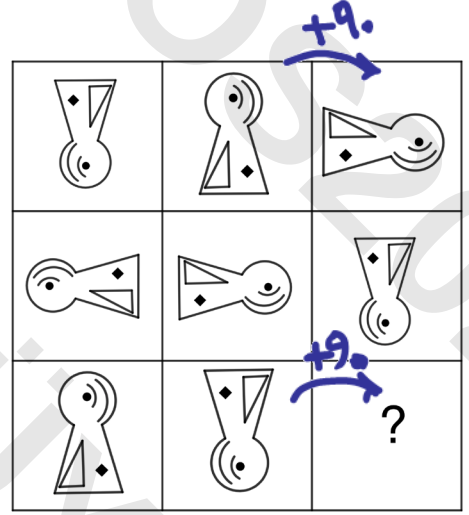
Şekildeki sayılar arasındaki kurala göre, soru işaretinin yerine hangi sayı yazılmalıdır?

The numbers in the figures above are arranged according to a specific rule. According to this specific rule, which of the followings should be written in place of question mark?

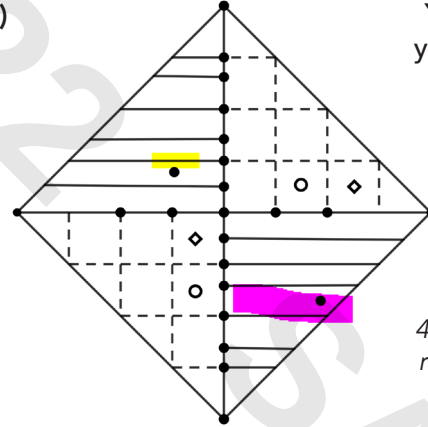
A) 27 B) 54 C) 81 D) 99 E) 108

$(n+1) \times 9$

53)

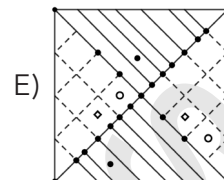
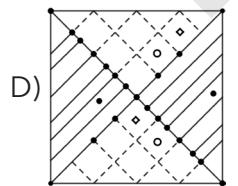
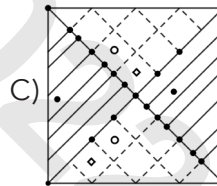
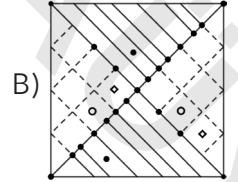
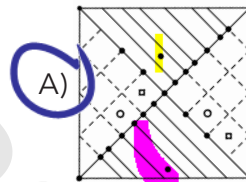


54)

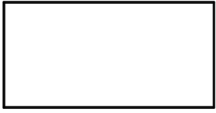


Yandaki şeklin saat yönünde 45 derece döndürülmüş hali aşağıdakilerden hangisidir?

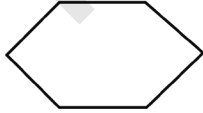
If we perform a 45-degree clockwise rotation to the figure on the left, what do we obtain?



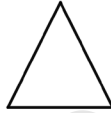
55)



$$5x - 7 = 13$$



$$7x - 9 = 33$$



?

Yukarıdaki geometrik şekiller ile altına yazılan denklemler arasında bir ilişki vardır. Buna göre, soru işareti yerine aşağıdaki denklemlerden hangisi gelebilir?

There is a relationship between the geometric figures and the corresponding equations above. Which of the following equations can replace the question mark?

if $n=3 \rightarrow 5n-4=11$

- A) $4x+6=6$ B) $4x-6=6$ C) $4x-6=12$
D) $4x-6=4$ E) $4x+6=12$

$$(n+1) \times n - (n+3) = n^2 - 3$$

56) 9 28 14 7 22 11 ?

$\times 3 + 1$ $\div 2$ $\times 3 + 1$ $\div 2$ $\times 3 + 1$

- A) 17 B) 18 C) 33 D) 34 E) 35

$\div 2$ $\times 3 + 1$

$\times 3 + 1$

57)

2	1	9	-1	1	9	2	+2	3	2	7
4	3	8	-1	3	8	4	+2	6	5	4
6	5	7	-1	5	7	6	+2	9	8	1

$$a - b + c = ?$$

- A) 6 B) 4 C) 5 D) 3 E) 7

58)

$\bigcirc + \square = \triangle + \triangle + \triangle + \triangle$
 $\triangle + \triangle + \triangle + \triangle = \bigcirc + \bigcirc + \square$

$\triangle + \triangle + \triangle + \triangle = \bigcirc + \bigcirc + \square$

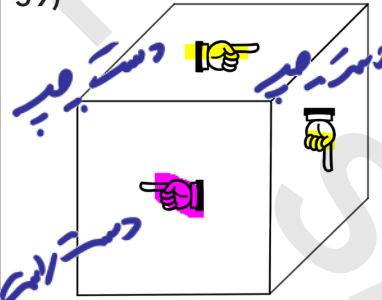
$4\triangle = 30$

So $\bigcirc = \square$

$\bigcirc = 4$ $\triangle = 3$ $\square = 4$ $\nabla = 1$

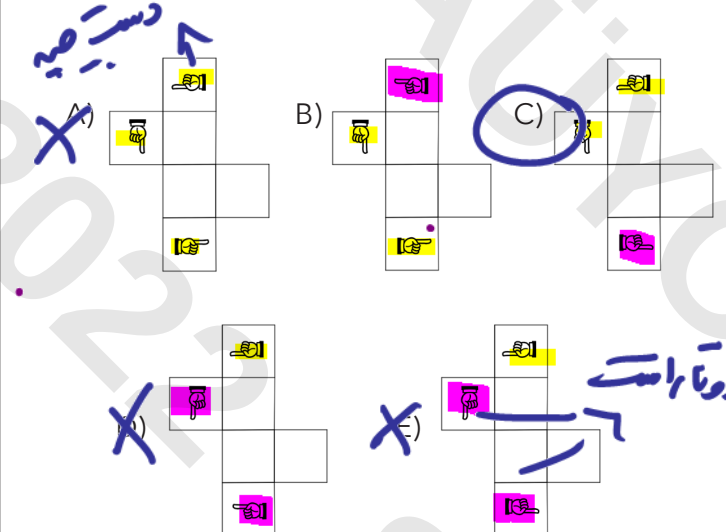
- A) $\triangle$ B) ∇ C) $\triangle + \triangle$
D) $\square + \square$ E) $\bigcirc$

59)

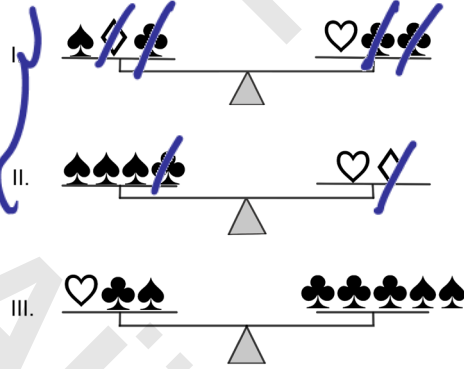


Yan tarafta bir küpün görünen 3 yüzü verilmiştir. Buna göre küpün açılmış hali aşağıdakilerden hangisi olabilir?

Given the 3-face of cube at left hand side; Which one of the following is the extracted form of cube?



60)

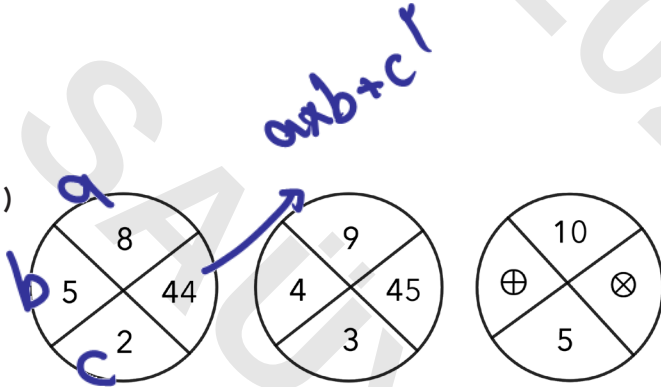


Yukarıda verilen şekilde teraziler dengede olduğuna göre ♥ yerine aşağıdaki şekillerden hangisi getirilmelidir?

All scales are in balance. Which figure can be replaced instead of ♥ ?

- A) ♣♣ B) ♣♣♣ C) ♠♠ D) ♠♠♠ E) ♦♦

61)



Yukarıdaki çemberlere yerleştirilen sayılar belirli bir kurala göre dizilmiştir. Buna göre ⊕ ve ⊗ sembolleri yerine sırasıyla hangi sayılar gelmelidir?

Above numbers in the circles are written as a given rule. Which numbers can be replaced instead of symbols ⊕ and ⊗ respectively?

- A) 2 - 64 B) 3 - 55 C) 4 - 45 D) 5 - 44 E) 6 - 60

$$1 \cdot \oplus + 10 = \otimes$$

62) Aşağıdakilerden hangisi bir yönüyle diğerlerinden farklıdır?

Which of the following is different from others in one aspect?

- A)

1	4
17	

 B)

6	7
85	

 C)

2	5
29	
- D)

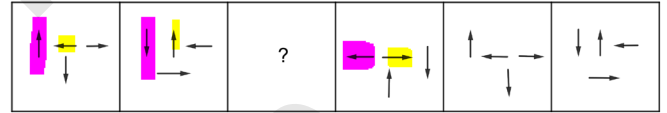
3	8
69	

 E)

7	2
53	

$$a^r + b^r = c$$

63)



- A)

↑	→	↓
←		

 B)

↑	↓	↓
←		

 C)

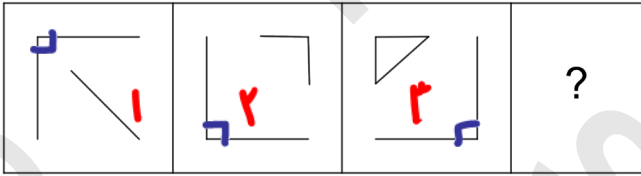
↓	↑	→
←		
- D)

↑	→	↓
←		

 E)

↑	↓	↑
←		

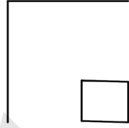
64)



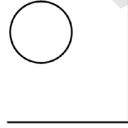
A)



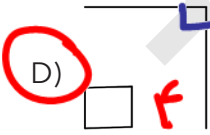
B)



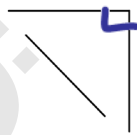
C)



D)



E)



65)

12	14	11	13
9	11	8	10?
11	13	10	12
8	10	7	9

$$18 = 9 \times 2$$

$$34 = 17 \times 2$$

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

A)

	9
9	
	8

B)

	10
8	
	8

C)

	10
9	
	10

D)

	9
10	
	9

E)

	10
10	
	9

66) Aşağıdaki alfabeyi gözönüne alınız:

Consider the following series of alphabets:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

LAW
6211121DEB
223112PSI
8210151EGO
?

A) 3141281

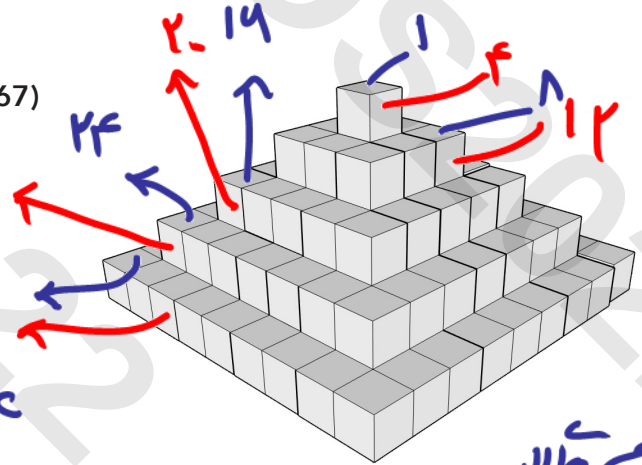
B) 314181

C) 324181

D) 3142811

E) 3124181

67)



Yukarıdaki piramitin dış yüzeyinde kaç tane kare vardır?

How many squares are on the outer surface of the pyramid above?

A) 156

B) 144

C) 181

D) 197

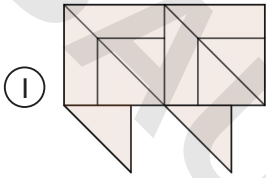
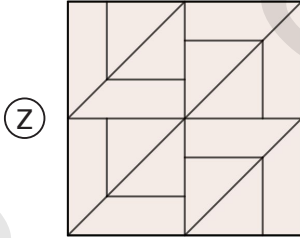
E) 168

68) 5 ¹ 8 ² 17 ³ 44 ⁴ 125 ⁵ ?

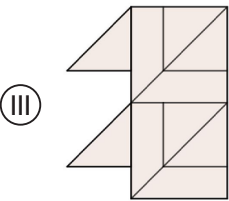
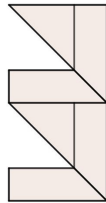
- A) 147 B) 368 C) 189 D) 244 E) 328

$$\begin{array}{r}
 145 \\
 + 143 \\
 \hline
 288 \\
 + 80 \\
 \hline
 368
 \end{array}$$

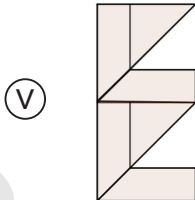
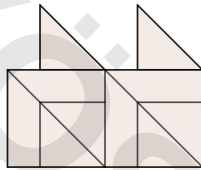
69)



II



IV



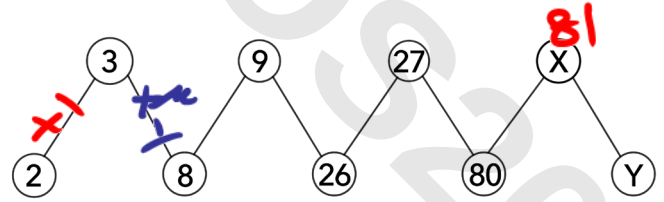
V

Z şeklini oluşturmak için hangi iki şekil kullanılmalıdır?

Which two shapes should be used to create the shape Z?

- A) I-II B) II-III C) II-IV D) III-V E) I-V

70)

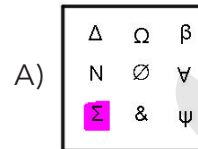
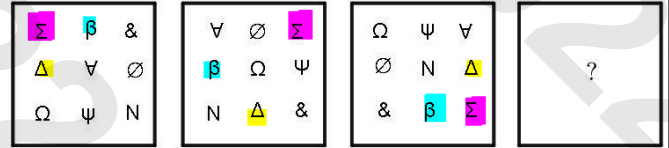


(X,Y) = ?

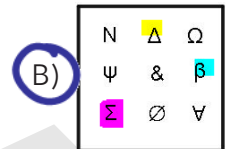
- A) (31,242) B) (63,242) C) (108,112)
D) (81,241) E) (108,241)

$$y = 81 \times 3 - 1$$

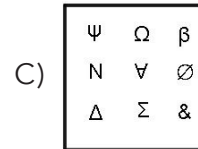
71)



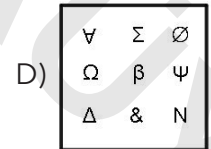
A)



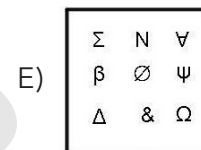
B)



C)



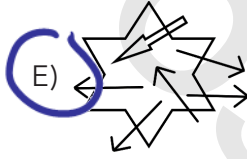
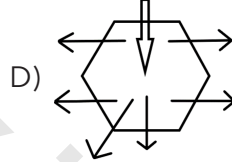
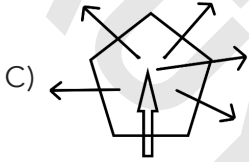
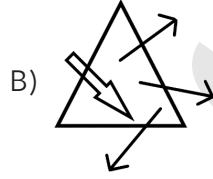
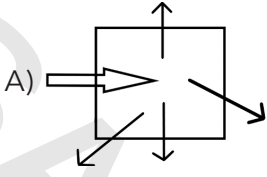
D)



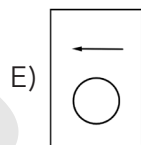
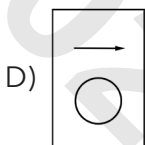
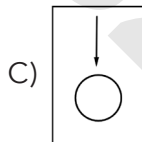
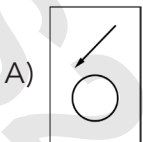
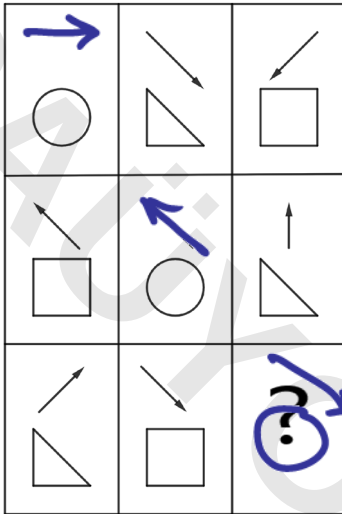
E)

72) Aşağıdakilerden hangisi farklıdır?

Which of the following is different?



73)



74)

$$(a+x) \times b$$

a	4	6	8	10
b	30	56	90	?
b	5	7	9	11

A) 121 B) 132 C) 144 D) 156 E) 196

$$? = 11 \times (1 + 2)$$

$$11 \times 3$$

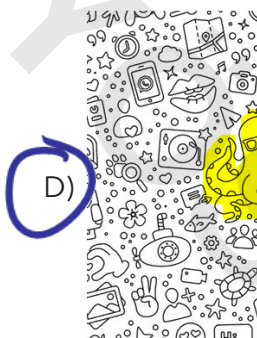
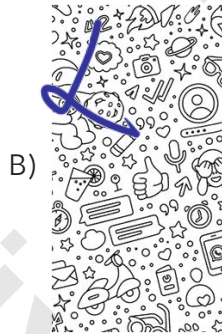
75)

a	b	c	$\frac{a+b}{c}$
17	45	31	2
67	49	29	4
62	55	39	3
88	?	36	5

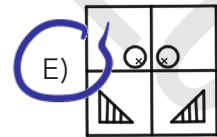
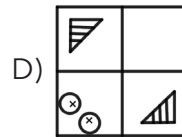
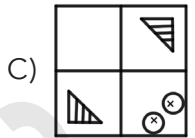
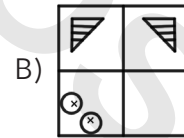
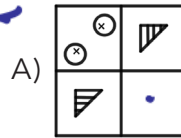
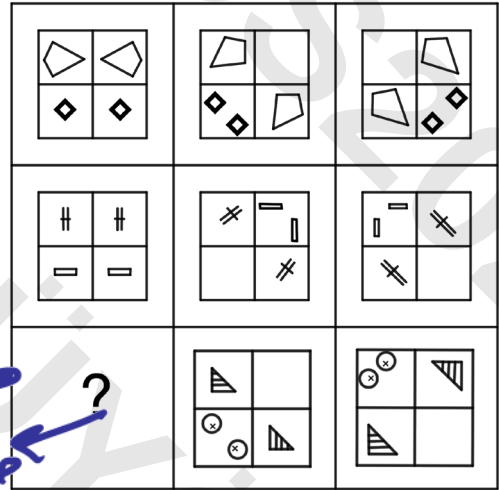
A) 78 B) 82 C) 92 D) 90 E) 88

$$\frac{11 + 7}{4} = 5$$

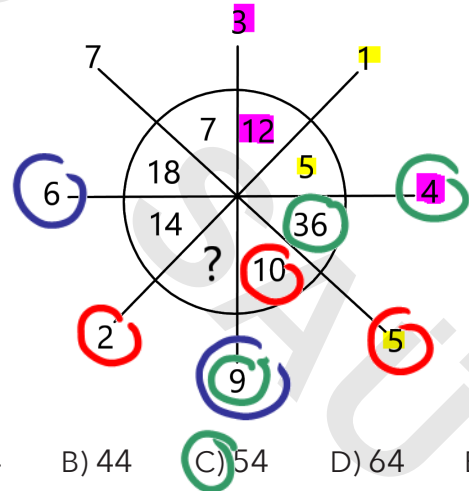
76)



77)



78)



A) 34

B) 44

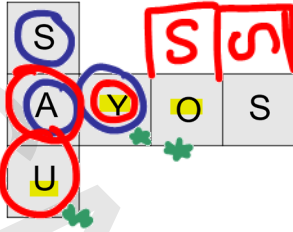
C) 54

D) 64

E) 84

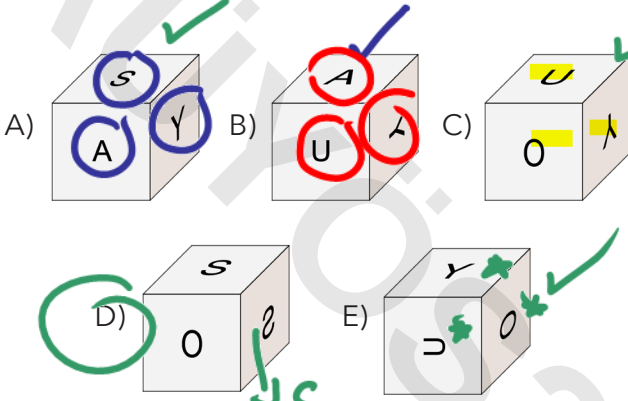
$$9 \times 6 = 54$$

79)



Yan tarafta bir küpün açılımı verilmiştir. Buna göre aşağıdaki küplerden hangisi elde edilemez?

According to the extracted cube at left hand side; Which one of the following cubes can not be produced?



80)

2 10 30 68 130 ? 350

A) 210 B) 216 C) 222 D) 240 E) 254

بسطانی