ÖRNEK SORULAR/SAMPLES

…. ve ….. Sorularda, I. gruptaki sözcüklerin harfleri birer rakamla gösterilerek II. gruptaki sayılar elde edilmiştir. Soru işaretiyle belirtilen sözcüğün hangi sayıyla gösterildiğini bulunuz.

In questions … and …., the numbers in group II stand for the words in group I, when each letter has been coded with a specific numeral. Find the number which corresponds to the word indicated by the question mark.

1)

I.		II.
İLKEL	=	97417
HARBİ	=	63529
BİTKİ	=	29849
KOBRA	=	40253
TEKİL	=	?

A) 89147   B) 49316   C) 81497

D) 81495   E) 87914

….. ve ….. soruları aşağıdaki tabloya göre cevaplayınız.

Answer questions …. and … in accordance with the table given below.

$\otimes$	a	b	c	d	e
a	a	b	c	d	e
b	b	c	d	e	a
c	c	d	e	a	b
d	d	e	a	b	c
e	e	a	b	c	d

Tabloda $\otimes$ işleminin görevi verilmiştir.

The operation of $\otimes$ is established in the table.

Örnekler (Examples):
a $\otimes$ b =b
b $\otimes$ d=e

2)
(c $\otimes$ d) $\otimes$ (e $\otimes$ a)=?

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

3) Aşağıdaki soruda her harf birbirinden faklı bir şekle karşılık gelmektedir.

In the following question, there is a different symbol to represent each letter.

I.

⋈	K
K	L

II.

M	K	
	K	N

K=■ L=⊗

M=? N=?

I ve II, yukarıdaki tablonun farklı birer parçasıdır. Buna göre, II deki M ve N nin yerinde aşağıdakilerden hangisi gelmelidir?

I and II are different parts of the figure above. Accordingly, which of the following combinations should replace M and N in II?

	N	M
A)	■	⋈
B)	⋈	⊗
C)	■	Δ
D)	⊟	⋈
E)	⋈	⊟

4)

Figure 1   Figure 2

A)   B)

C)   D)

E)
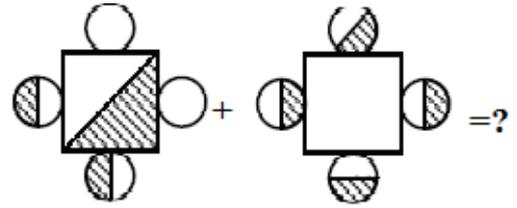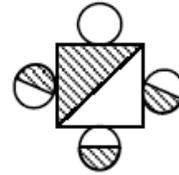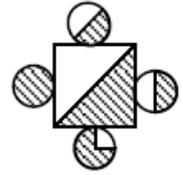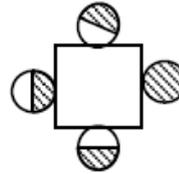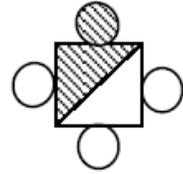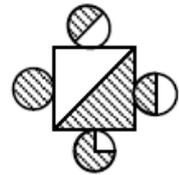
5)
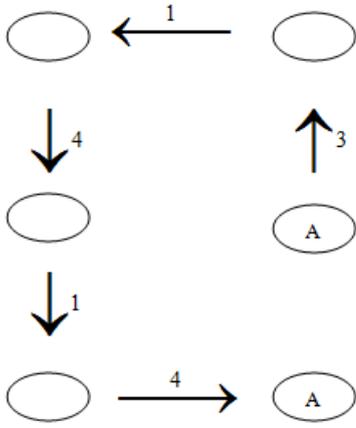
Yukarıdaki bilgilere göre A=?

According to the above informations,

A=?

A) 3   B) 4   C) 5   D) 6   E) 8

6)

A)

B)

C)

D)

E)
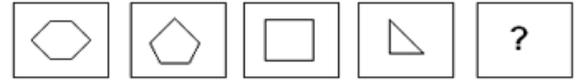
7)

$$\blacksquare\!\!\parallel - \square = 4$$

$$\triangle + \square = 20$$

$$\square + \blacksquare\!\!\parallel = 12$$

$$\square + \bigcirc = 6$$

$$\square + \blacksquare\!\!\parallel + \bigcirc + \triangle = ?$$

A) 24   B) 30   C) 36   D) 40   E) 44

8) Soru işaretli yere hangisi gelmelidir?

Which of the following should be square with question marks?

A)

B)

C)

D)

E)
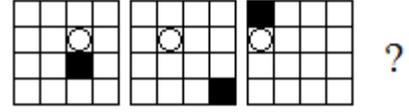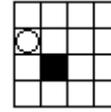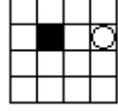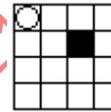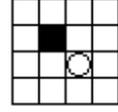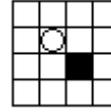
9) Aşağıdakilerden hangisi diğerlerine göre farklıdır?

Which of the following is different from others?

A)   B)   C)   D)   E)
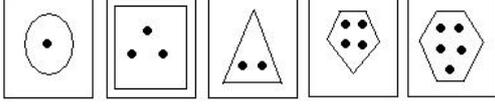
10)
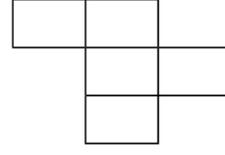
Şekil I
Figure I

Şekil 1 saat yönünde $180°$ döndürülürse, aşağıdaki şekillerin hangisi elde edilir?

If Figure I is rotated 180 degrees in clockwise, which of the following figures is obtained?

A)   B)

C)   D)

E)
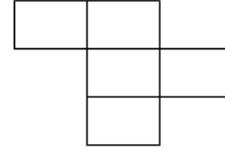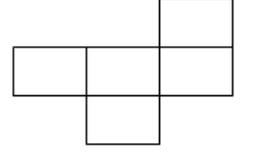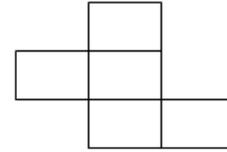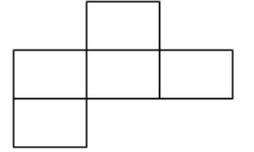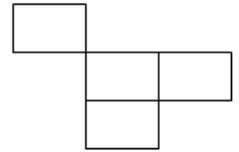
11)

$$[(1+\frac{1}{3}):(\frac{0,04}{0,3})]-2 = ?$$

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

13)

$$\frac{\sqrt{6}+\sqrt{3}}{\sqrt{2}+1}-\frac{\sqrt{14}-\sqrt{7}}{\sqrt{2}-1} = ?$$

A)$\sqrt{7}-\sqrt{6}$ B)$\sqrt{6}+\sqrt{3}$ C)$\sqrt{7}-\sqrt{2}$
D)$\sqrt{7}+\sqrt{2}$ E) $\sqrt{3}-\sqrt{7}$

12)

$$3*(2x-1)-2(2x-4)=15 \qquad x=?$$

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

14)

$$\frac{1}{a}+\frac{1}{b}+\frac{1}{c}=9$$

$$\frac{1}{a}-\frac{1}{c}=-2$$

$$\frac{1}{b}+\frac{1}{c}=7$$

c=?

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

15)

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

$$a=?$$

A) 0   B) 1   C) 2   D) 3   E) 4

16)

$$x-y=3$$

$$y+z=-2$$

$$y^2+yz-xy-xz=?$$

A) -6 B) -3 C) 0   D) 6   E) 9

17)

$$\sqrt{(\log 3)^2+\left(\log\frac{1}{9}\right)^2}=?$$

A) $5\log 3$ 　　　　B) $\sqrt{5}\,\log 3$

C) $2\log 3$ 　　　　D) $\sqrt{2}\,\log 3$

E) $\sqrt{5\log 3}$

18)

$$\tan\left(\cot^{-1}\left(\sqrt{3}\right)\right)=?$$

A) $\sqrt{3}$ B) $\frac{1}{\sqrt{3}}$ C) $\frac{1}{2}$ D) 1   E) 0

19)
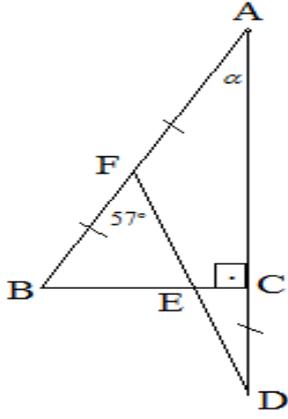
$|AF| = |FB| = |CD|, \quad m(B\hat{F}D) = 57°,$

$m(B\hat{A}D) = \alpha = ?$

A) 17   B) 27   C) 29   D) 35   E) 38

20) En uzun kenar hangisidir?

Which is the longest margin?

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