

ULUSLARARASI ÖĞRENCİ SINAVI | INTERNATIONAL STUDENT EXAM  
TEMEL ÖĞRENME BECERİLERİ TESTİ | BASIC LEARNING SKILLS TEST

05.06.2022

**A**

GENEL AÇIKLAMA  
GENERAL INSTRUCTIONS

Bu sınavdaki soruların nasıl cevaplanacağı, testlerin başında açıklanmıştır. Soruları cevaplamaya başlamadan önce bu açıklamaları dikkatle okuyunuz.

How to answer the questions in this exam is explained at the beginning of each question. Read these explanations carefully before answering the questions.

Bu testlerdeki her sorunun bir tek doğru cevabı vardır. Bir soru için birden çok cevap işaretlenmişse, o soru yanlış cevaplanmış sayılacaktır.

Each question in these tests has only one correct answer. If more than one answer place is marked for a question, that question will be deemed to have been answered incorrectly.

Cevaplarınızı koyu siyah ve yumuşak bir kurşun kalemle işaretleyiniz. İşaretlerinizi cevap yerinin dışına taşırmayınız. Tükenmez kalem veya dolma kalem kullanmayınız.

Mark your answers with a dark-black soft pencil. Fill in the circle completely for the answer you have chosen, but make sure your mark does not go beyond the borders of the circle. Do not use any sort of ballpoint or fountain pens.

Cevap kağıdınızı buruşturmayınız, katlamayınız ve üzerine gereksiz hiçbir işaret koymayınız.

Keep the answer sheet flat and do not fold or crease it. Do not place any unnecessary marks on it.

Değiştirmek istediğiniz bir cevabı, yumuşak bir silgiyle, cevap kağıdını örselemeden, temizce siliniz ve yeni cevabınızı işaretlemeyi unutmayınız.

Completely erase and clean the answer you want to change with a soft eraser. Do not forget to mark your new answer.

Adayların sınav puanı, doğru cevaplar dikkate alınarak yüz (100)'lük sistem üzerinden hesaplanacaktır. Yanlış cevaplar sınav sonucuna herhangi bir etki yapmayacaktır.

Exam scores of the candidates will be calculated according to the hundred (100) evaluation system by taking the correct answers only into consideration. Wrong answers will not have any effect on the test result.

Sınavda uyulacak diğer kurallar bu kitapçığın arka kapağında belirtilmiştir.

Other rules and regulations to be followed in the exam are indicated on the back cover of this booklet.

ADI  
NAME \_\_\_\_\_  
SOYADI  
SURNAME \_\_\_\_\_  
ADAY NO  
APPLICANT NUMBER \_\_\_\_\_  
SINAV SALON NO  
EXAM ROOM NUMBER \_\_\_\_\_

İMZA  
SIGN

Adınızı, soyadınızı, aday numarası ve sınav salon numaranızı yukarıya yazınız.

**Write your name, surname, applicant number and exam room numbers in the appropriate places above.**

*Bu testlerin her hakkı saklıdır. Hangi amaçla olursa olsun, testlerin tamamının veya bir kısmının Merkezimizin yazılı izni olmadan kopya edilmesi, fotoğrafının çekilmesi, herhangi bir yolla çoğaltılması, yayımlanması ya da kullanılması yasaktır. Bu yasağa uymayanlar gerekli cezai sorumluluğu ve testlerin hazırlanmasındaki mali külfeti peşinen kabullenmiş sayılır.*



1)  $\frac{1}{1-2^{-10}} + \frac{1}{1-2^{-9}} + \dots + \frac{1}{1-2^{-1}} + \frac{1}{1+2^0} + \frac{1}{1-2^1} + \dots + \frac{1}{1-2^9} + \frac{1}{1-2^{10}} = ?$

- A)  $-\frac{21}{2}$    B) -11   C)  $\frac{21}{2}$    D) 11   E) 10

2)  $\sqrt{7+\sqrt{48}}$  ile  $\sqrt{7-\sqrt{48}}$  sayılarının aritmetik ortalaması kaçtır?

What is the arithmetic mean of the numbers  $\sqrt{7+\sqrt{48}}$  and  $\sqrt{7-\sqrt{48}}$  ?

- A) 4   B) 7   C) 3   D) 2   E) 5

3)  $x^2 - bx + 8 = 0$  denkleminin kökleri  $x_1$  ve  $x_2$  dir.

Roots of the equation  $x^2 - bx + 8 = 0$  are  $x_1$  and  $x_2$  .

$$\frac{1}{\sqrt[3]{x_1}} + \sqrt[3]{x_2} = 3 \Rightarrow x_1 + x_2 = ?$$

- A) 9   B) -8   C) 6   D) 8   E) -9

4)  $|1-x| + |2-x| + |3-x| + \dots + |21-x|$

toplaminin alacağı en küçük değer kaçtır?

What is the smallest value of the sum?

- A) 105   B) 210   C) 255   D) 231   E) 110

5)  $y = f(x) = \frac{x+4}{x-3} \Rightarrow x = ?$

A)  $\frac{1}{3f(y)}$

B)  $f(y)$

C)  $3f(3y)$

D)  $3f(y)$

E)  $\frac{3}{f(3y)}$

6) 
$$\begin{array}{r} abc \\ abc \\ + abc \\ \hline ccc \end{array}$$

$a \neq b, a \neq c, b \neq c \Rightarrow a+b+c = ?$

A) 14

B) 13

C) 12

D) 11

E) 10

7) -3 sayısı aşağıdaki kümelerden hangisinin elemanıdır?

Which of the following sets has -3 as an element?

A)  $\{-1, \{-1\}, \{-3\}, \{-1, -3\}\}$

B)  $\{x \in \mathbb{N} : -x \in \mathbb{N}\}$

C)  $\{x \in \mathbb{Z} : x^3 = 3^x\}$

D)  $\{x \in \mathbb{Z} : |x| = -x\}$

E)  $\{\{-1, -3\}, \{-2, -3\}, \{-1, -2, -3\}\}$

8)  $3^{4x-8} = 23^4 + 16 \cdot 23^3 + 96 \cdot 23^2 + 256 \cdot 23 + 4^4 \Rightarrow x = ?$

A) 2

B)  $\frac{3}{2}$

C)  $\frac{5}{2}$

D) 4

E) 5

- 9) 'AEROSPACE' kelimesindeki harflerin, iki E harfinin yan yana gelmesi koşuluyla, permütasyonları sayısını hesaplayınız.

*Calculate the number of permutations of the letters of the word 'AEROSPACE' provided that two E letters are next to each other.*

- A)  $\frac{7!}{2!}$  B)  $\frac{8!}{2!}$  C)  $\frac{8!}{2!2!}$  D)  $\frac{9!}{2!}$  E)  $\frac{9!}{2!2!}$

- 10)  $a, b$  ve  $c$  tamsayılar olmak üzere,  $a < b < 0 < c$  ise, aşağıdakilerden hangisinin değeri daima sıfırdan büyüktür?

*Given that  $a, b$  and  $c$  are integers satisfying  $a < b < 0 < c$ , which of the followings are always positive?*

- A)  $\frac{a+b}{c-b}$  B)  $\frac{c+b}{c-a}$  C)  $\frac{a-b}{c-b}$  D)  $\frac{c+a}{c-a}$  E)  $\frac{b-a}{c-b}$

11)  $x\sqrt{x} - 6\sqrt{x} = 5 \Rightarrow x - \sqrt{x} = ?$

- A) 5 B) 6 C) 8 D) 9 E) 11

- 12) Hilesiz iki zar birlikte art arda 3 kere atılıyor. Üste gelen sayıların toplamının atışlardan sadece ikisinde 7 gelme olasılığı kaçtır?

*Two fair dice are rolled together 3 times in a row. What is the probability that the sum of the numbers on top is 7 for two throws out of three?*

- A)  $\frac{5}{216}$  B)  $\frac{1}{36}$  C)  $\frac{1}{72}$  D)  $\frac{5}{6}$  E)  $\frac{5}{72}$

$$13) \frac{\sqrt{\frac{1,44}{0,09}} + \sqrt{0,25} - \sqrt{0,0256}}{4,3} = ?$$

- A) 1    B) 2    C) 3    D) 5    E) 10

$$14) \frac{(a-b)^2(c-a) - (a-c)^2(b-a)}{a^2 - ab - ac + bc} = ?$$

- A)  $a-b$     B)  $b-c$     C)  $c-a$     D)  $b-a$     E)  $c-b$

$$15) 9^{x+1} - 12 \cdot 3^x + 3 = 0$$

Yukarıdaki denklemin kökleri toplamı nedir?  
What is the sum of the roots of the above equation?

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

$$16) 1 + \frac{1}{x^2} + \frac{1}{x^4} < \frac{2}{x} + \frac{2}{x^3} + \frac{2}{x^5}$$

Yukarıdaki eşitsizliğin çözüm kümesi  
aşağıdakilerden hangisidir?

What is the solution set for the above inequality?

- A) (0,2)    B) (-2,0)    C) (-2,2)    D) (0,3)    E)  $\mathbb{R} - \{0\}$

$$17) \frac{5}{\log_2 54} + \frac{3}{\log_3 54} - \frac{2}{\log_4 54} = ?$$

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

$$19) \frac{a}{5} = \frac{4}{b} = \frac{c}{2}, \quad a+b-2c=4 \Rightarrow a-c=?$$

- A) 5    B) 2    C) 4    D) 7    E) 6

18)  $P(x)$  bir polinom /  $P(x)$  is a polynomial

$$(x+1)^2 P(x) = mx^4 + nx^2 + (1-2m)x + 3n$$

$$P(0) = 3 \Rightarrow m+n = ?$$

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

$$20) \frac{A|B}{\frac{4}{3}} \frac{B|C}{\frac{5}{2}} \Rightarrow \frac{A+B+C-24}{3C} = ?$$

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

21)  $\left| \frac{2}{a^2 - 1} \right| > \frac{1}{2}$  eşitsizliğini sağlayan kaç farklı "a" tamsayısı vardır?

How many different integer values of "a" are there satisfying the inequality?

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

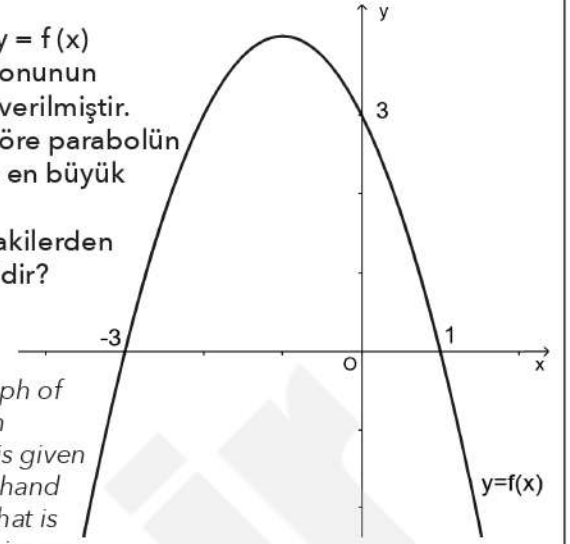
22)  $f(x) = ax^2 + bx + c$

ikinci dereceden polinom fonksiyon  
f is a quadratic function

$$a - b = 2, \lim_{t \rightarrow 2} \frac{f(-5+3t) - f(5-2t)}{t-2} = 5 \Rightarrow f'(2) = ?$$

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

23) Yanda  $y = f(x)$  fonksiyonunun grafiği verilmiştir. Buna göre parabolün alacağı en büyük değer aşağıdakilerden hangisidir?



The graph of function  $y = f(x)$  is given at right hand side. What is the maximum value of the parabola?

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

24)  $\lim_{x \rightarrow 1} \frac{(2x-3)(\sqrt{x}-1)}{2x^2+x-3} = ?$

- A)  $\frac{1}{10}$       B)  $-\frac{1}{5}$       C)  $\frac{1}{5}$       D)  $-\frac{1}{2}$       E)  $-\frac{1}{10}$



25)  $f$  birebir ve örten fonksiyon

$f$  is 1-1 and onto function

$$f(4x) - f(4x-1) = \frac{1}{2}, f^{-1}(2) = 0, f^{-1}(a) = 10 \Rightarrow a = ?$$

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

26)  $(A^c \cup B^c) \cap (A - B)^c = ?$

- A)  $A^c$     B)  $B^c$     C)  $A - B$     D)  $A$     E)  $B$

27)  $\binom{6}{2} + \binom{7}{3} + \binom{8}{4} + \dots + \binom{16}{12} + 6 = ?$

- A)  $\binom{16}{4}$     B)  $\binom{16}{5}$     C)  $\binom{17}{4}$     D)  $\binom{17}{5}$     E)  $\binom{18}{4}$

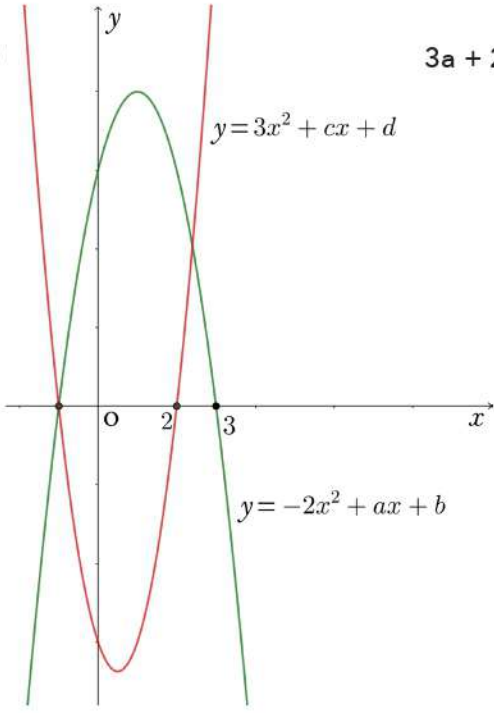
28)  $(2x + x^2 + 3x^3)^4$  ifadesinin açılımında  $x^7$  teriminin katsayısı kaçtır?

What is the coefficient of  $x^7$  in the expansion?

- A) 152    B) 144    C) 156    D) 120    E) 148

29)

$$3a + 2c = ?$$



- A) 12    B) 9    C) 6    D) -6    E) -9

30) Aşağıdakilerden hangisi  $x^{622} + x^{1071} + x^{1453} + x^{2022}$  polinomunun  $x^4 - x^3 + x^2 - x + 1$  ile bölümünden kalanı verir?

Which of the following is the remainder of the division of the polynomial  $x^{622} + x^{1071} + x^{1453} + x^{2022}$  by  $x^4 - x^3 + x^2 - x + 1$  ?

- A)  $x^2 + 2x^3$     B)  $x + 2x^2 + x^3$     C)  $2x^2 + x^3$   
 D)  $x + 2x^2$     E)  $x - 2x^2 + x^3$

$$31) \log(4^x + 3x - 24) = 2x(1 - \log 5) \Rightarrow x = ?$$

- A) 2    B) 3    C) 6    D) 8    E) 9

$$32) \frac{\sin^4 x - 1}{(\cos^2 x - 2)\sin^2 x} = ?$$

- A)  $\tan x$     B)  $\cot^2 x$     C)  $\tan^2 x$   
 D)  $-\cos^2 x$     E)  $-\cot^2 x$

33)  $g'(3) = 5$ ,  $h'(3) = -1$ ,  $f(x) = 7g(x) + 2h(x) - 3$   
 $\Rightarrow f'(3) = ?$

- A) 33    B) 31    C) 34    D) 30    E) 32

34)  $\lim_{x \rightarrow 2} \frac{f(x) - 3}{x^2 - 4} = 5 \Rightarrow \lim_{x \rightarrow 2} \frac{f(x) + 6x - 15}{x - 2} = ?$

- A) 30    B) 20    C) 26    D) 24    E) 16

35)  $\int_2^9 f(x) dx = \frac{36}{5}$ ,  $\int_2^5 f(x) dx = \frac{27}{5} \Rightarrow \int_5^9 (2f(x) - 3) dx = ?$

- A) -12    B)  $-\frac{42}{5}$     C)  $\frac{42}{5}$     D)  $\frac{18}{5}$     E)  $-\frac{18}{5}$

36)  $f(f^{-1}(x) + 3) = 5f^{-1}(x) + 2 \Rightarrow (f \circ f)(4) = ?$

- A) 45    B) 35    C) 27    D) 22    E) 16

37)  $f(x) = x \left[ 1 + (x + x^2)^3 \right]^2 \Rightarrow f'(1) = ?$

- A) 512   B) 648   C) 729   D) 765   E) 810

38)  $z = a + ib, \bar{z} = a - ib, (3 + 4i)\bar{z} = i - z \Rightarrow z = ?$

- A)  $\frac{1}{6} + \frac{i}{6}$    B)  $\frac{1}{8} + \frac{i}{8}$    C)  $\frac{1}{8} - \frac{i}{8}$   
 D)  $-\frac{1}{6} + \frac{i}{6}$    E)  $\frac{1}{6} - \frac{i}{6}$

39)  $\int (x^2 + 2x + f(x)) dx = xf(x) + 3x^2 + 1, f(0) = 4 \Rightarrow f(2) = ?$

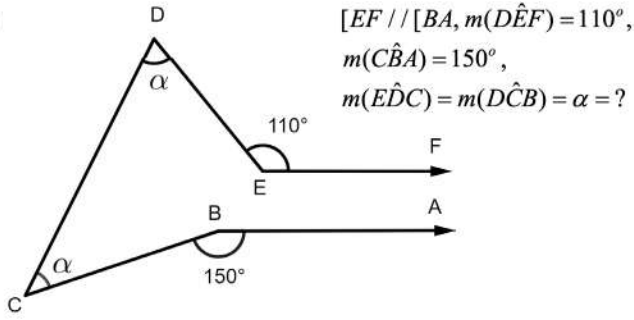
- A) -2   B) -1   C) 0   D) 1   E) 2

40)  $i^2 = -1$  olmak üzere, aşağıdakilerden hangisi sıfıra eşit değildir?

Given that  $i^2 = -1$ , which of the following expressions is NOT equal to zero?

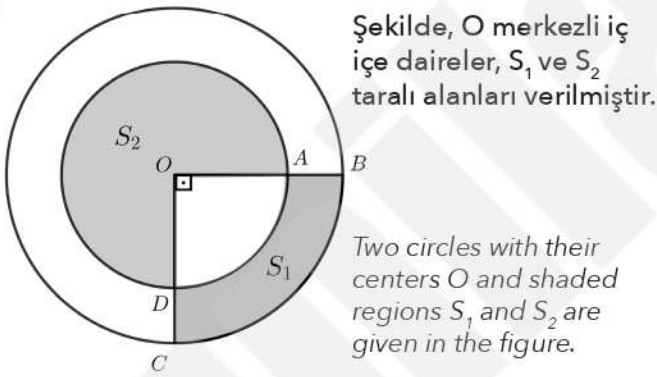
- A)  $i^0 - i^{12}$    B)  $i + i^3$    C)  $i^4 + i^{10}$    D)  $i^{11} - i^9$    E)  $i^8 - i^{16}$

41)



- A)  $25^\circ$  B)  $30^\circ$  C)  $35^\circ$  D)  $40^\circ$  E)  $45^\circ$

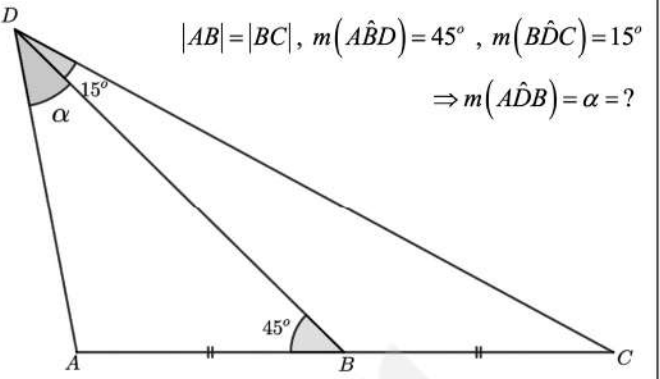
42)



$$[OC] \perp [OB], |OA| = 2|AB| \Rightarrow \frac{S_1}{S_2} = ?$$

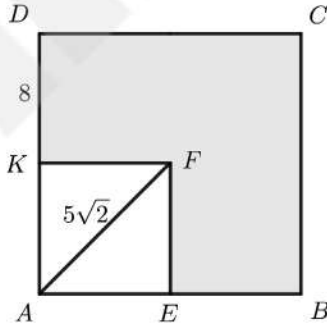
- A)  $\frac{5}{12}$  B)  $\frac{1}{3}$  C)  $\frac{3}{4}$  D)  $\frac{1}{4}$  E)  $\frac{1}{12}$

43)



- A)  $20^\circ$  B)  $25^\circ$  C)  $30^\circ$  D)  $35^\circ$  E)  $40^\circ$

44)

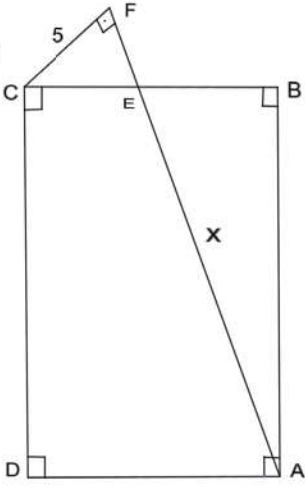


Taralı bölgenin alanı nedir?

What is the area of shaded region?

- A)  $144 \text{ cm}^2$  B)  $152 \text{ cm}^2$  C)  $160 \text{ cm}^2$   
D)  $165 \text{ cm}^2$  E)  $180 \text{ cm}^2$

45)



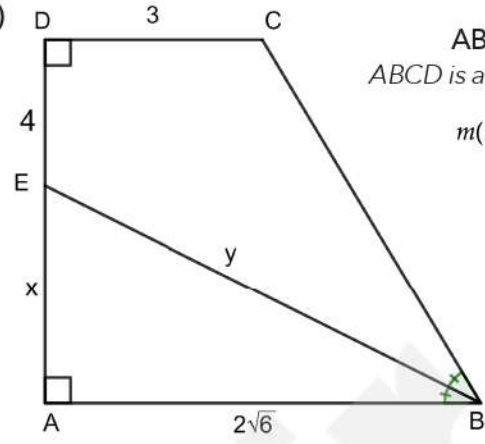
ABCD dikdörtgen  
 ABCD is a rectangle

$$|EB| = 2|CE|, A(\triangle ABE) = 40\text{cm}^2$$

$$|AE| = x = ?$$

- A) 6 cm B) 8 cm C) 10 cm D) 12 cm E) 16 cm

47)



ABCD dik yamuk  
 ABCD is a right trapezoid

$$m(\hat{A}BE) = m(\hat{E}BC),$$

$$|DC| = 3\text{cm},$$

$$|DE| = 4\text{cm},$$

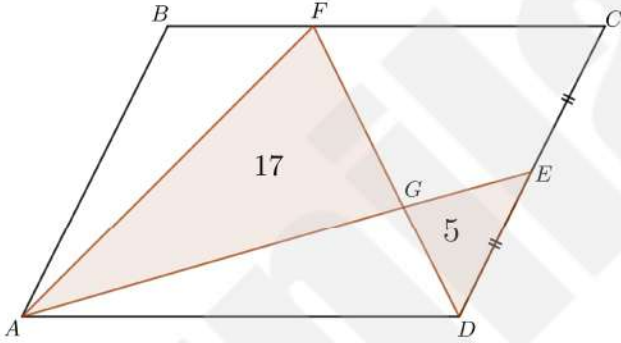
$$|AB| = 2\sqrt{6}\text{cm},$$

$$|AE| = x, |EB| = y$$

$$x + y = ?$$

- A) 10 cm B) 12 cm C) 15 cm  
 D) 18 cm E) 20 cm

46)



ABCD paralelkenar (parallelogram),  
 AFD, AED üçgenler (triangles),

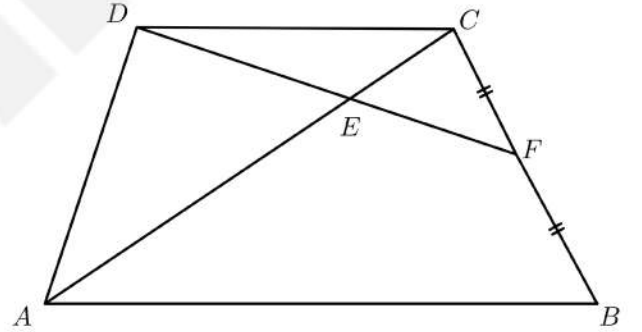
$$|DE| = |EC|,$$

$$A(\triangle AFG) = 17\text{ cm}^2, A(\triangle DGE) = 5\text{ cm}^2,$$

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

- A) 32 cm<sup>2</sup> B) 36 cm<sup>2</sup> C) 40 cm<sup>2</sup>  
 D) 44 cm<sup>2</sup> E) 48 cm<sup>2</sup>

48)



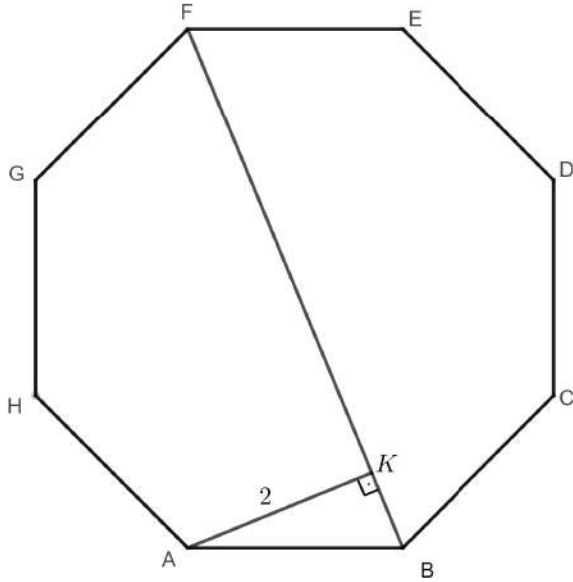
ABCD bir yamuk ( ABCD is a trapezoid )

$$A(\triangle ADE) = 10\text{cm}^2, A(\triangle ECF) = 3\text{cm}^2,$$

$$|CF| = |FB| \Rightarrow A(\triangle ABCD) = ?$$

- A) 42 cm<sup>2</sup> B) 28 cm<sup>2</sup> C) 32 cm<sup>2</sup>  
 D) 35 cm<sup>2</sup> E) 40 cm<sup>2</sup>

49)

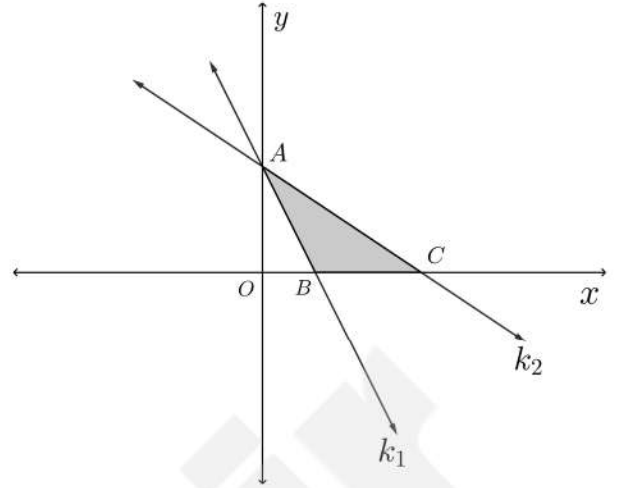


ABCDEFGH düzgün sekizgen (regular octagon)

$$[AK] \perp [BF], |AK| = 2 \text{ cm} \Rightarrow |BF| = ?$$

- A)  $4\sqrt{2}$  cm      B)  $2\sqrt{2}$  cm      C) 4 cm  
 D) 2 cm              E) 8 cm

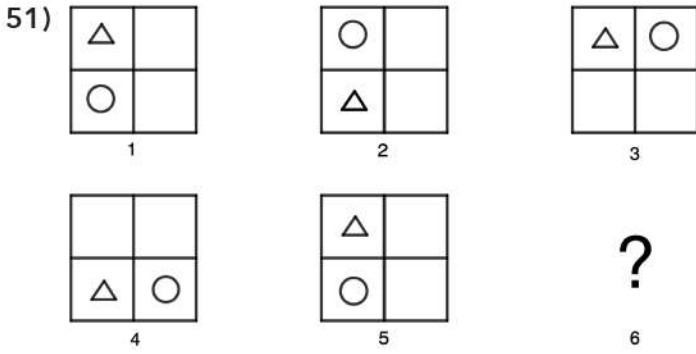
50)



Şekilde  $k_1$  doğrusunun denklemi  $2x + y = 4$ ,  
 $k_2$  doğrusunun denklemi  $2x + 3y = 12$  dir.  
 Buna göre taralı bölgenin alanı kaçtır?

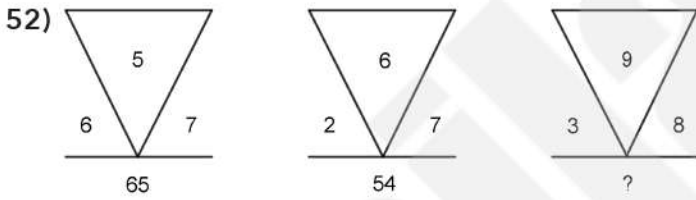
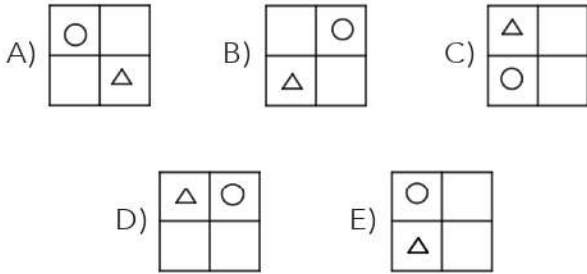
The equation of the line  $k_1$  is  $2x + y = 4$ ,  
 and the equation of the line  $k_2$  is  $2x + 3y = 12$ .  
 What is the area of shaded region?

- A)  $16 \text{ br}^2$               B)  $12 \text{ br}^2$               C)  $8 \text{ br}^2$   
 D)  $10 \text{ br}^2$               E)  $6 \text{ br}^2$



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

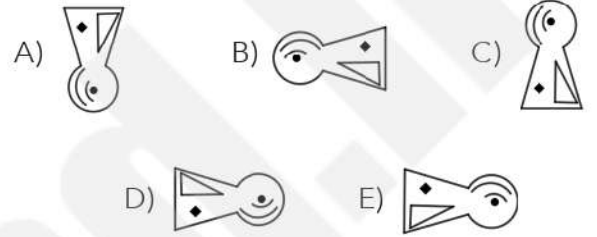
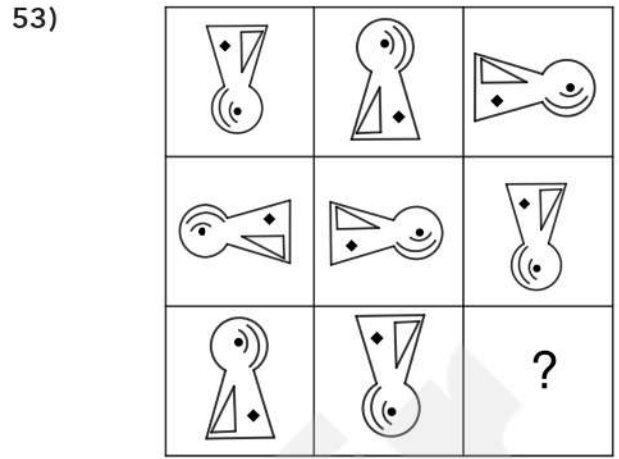
Which answer fits in the missing space to complete the pattern?



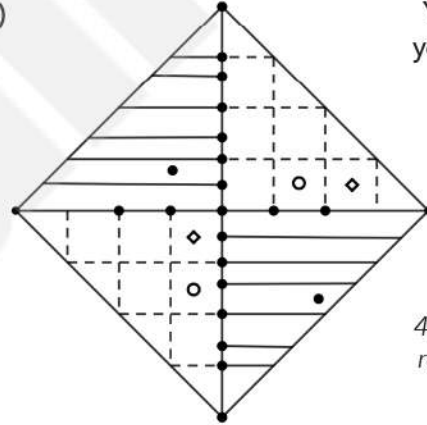
Şekildeki sayılar arasındaki kurala göre, soru işaretinin yerine hangi sayı yazılmalıdır?

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

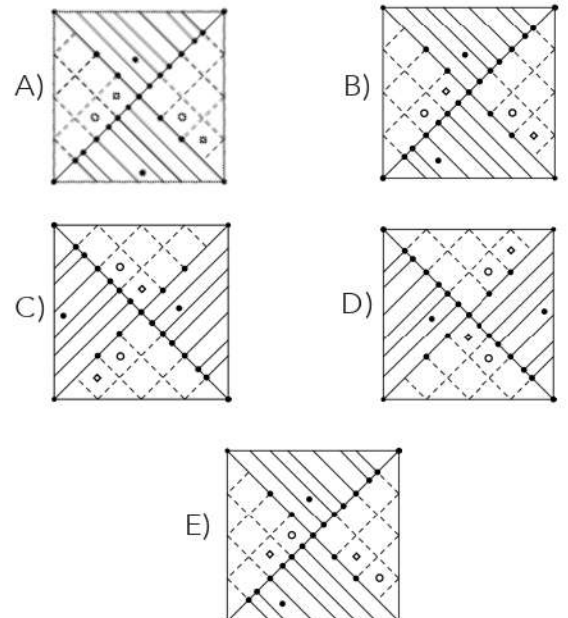


54)



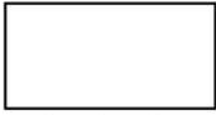
Yandaki şeklin saat yönünde 45 derece döndürülmüş hali aşağıdakilerden hangisidir?

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

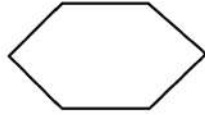




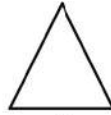
55)



$$5x - 7 = 13$$



$$7x - 9 = 33$$



?

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?*

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

56) 9    28    14    7    22    11    ?

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

57)

2	1	9
4	3	8
6	5	a

1	9	2
3	8	b
5	7	6

c	2	7
6	5	4
9	8	1

$$a - b + c = ?$$

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

58)

$$\bigcirc + \square = \otimes + \otimes + \nabla + \nabla$$

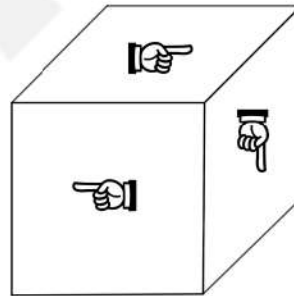
$$\square = \otimes + \nabla$$

$$\nabla + \nabla + \nabla + \nabla = \bigcirc + \bigcirc + \square$$

$$\bigcirc - \nabla = ?$$

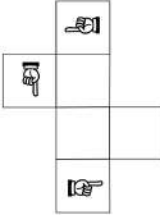
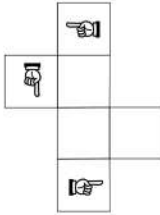
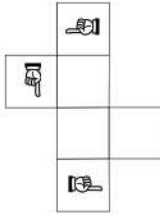
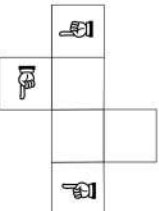
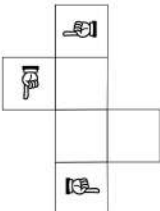
- A)  $\nabla$       B)  $\otimes$       C)  $\nabla + \nabla$   
D)  $\square + \square$       E)  $\bigcirc$

59)

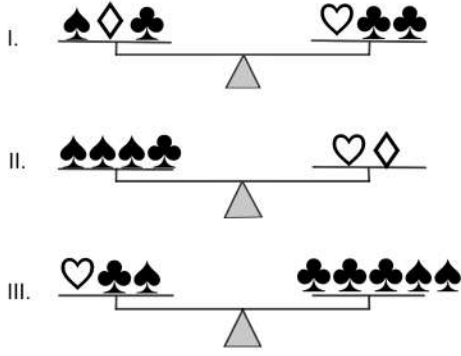



Yan tarafta bir küpün görünen 3 yüzü verilmiştir. Buna göre küpün açılmış hali aşağıdakilerden hangisi olabilir?


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






- A)       B)       C)   
D)       E) 

60)

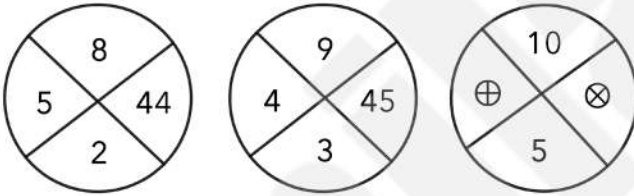


Yukarıda verilen şekilde teraziler dengede olduğuna göre  yerine aşağıdaki şekillerden hangisi getirilmelidir?

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

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

61)



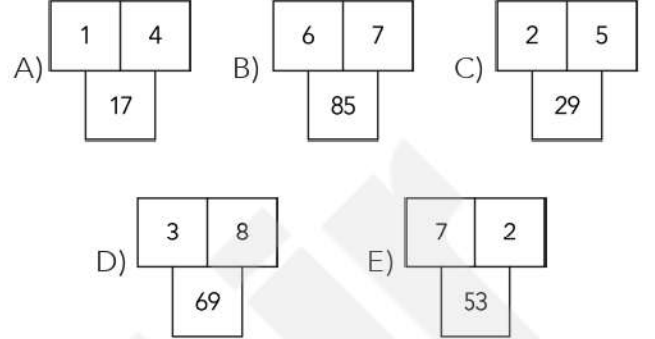
Yukarıdaki çemberlere yerleştirilen sayılar belirli bir kurala göre dizilmiştir. Buna göre  $\oplus$  ve  $\otimes$  sembolleri yerine sırasıyla hangi sayılar gelmelidir?

Above numbers in the circles are written as a given rule. Which numbers can be replaced instead of symbols  $\oplus$  and  $\otimes$  respectively?

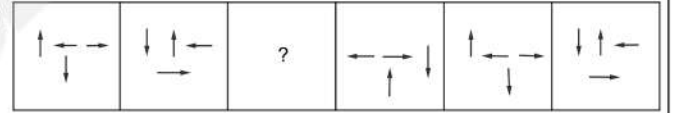
- A) 2 - 64 B) 3 - 55 C) 4 - 45  
D) 5 - 44 E) 6 - 60

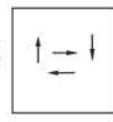
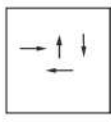
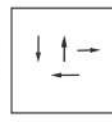
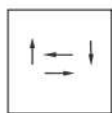
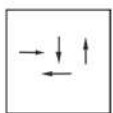
62) Aşağıdakilerden hangisi bir yönüyle diğerlerinden farklıdır?

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

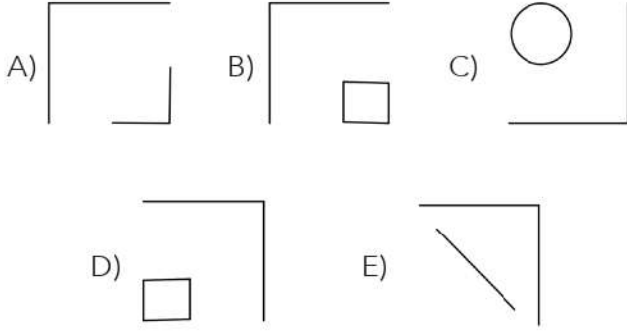
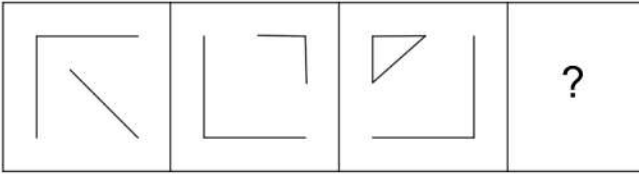


63)



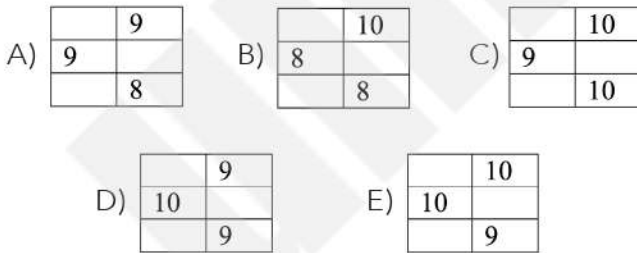
- A)  B)  C) 
- D)  E) 

64)



65)

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



66) Aşağıdaki alfabeği gözönüne alınız:

Consider the following series of alphabets:

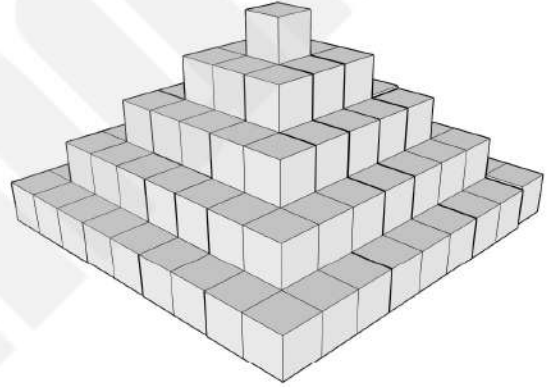
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

LAW	DEB	PSI	EGO
6211121	223112	8210151	?

A) 3141281 B) 314181 C) 324181

D) 3142811 E) 3124181

67)



Yukarıdaki piramitin dış yüzeyinde kaç tane kare vardır?

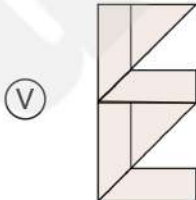
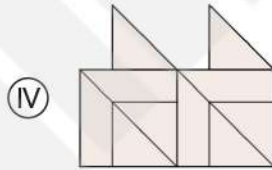
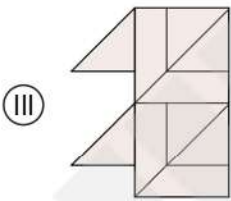
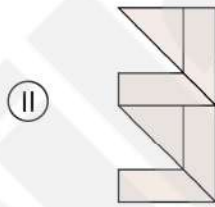
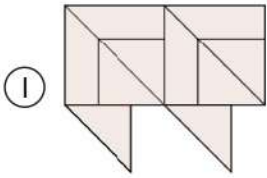
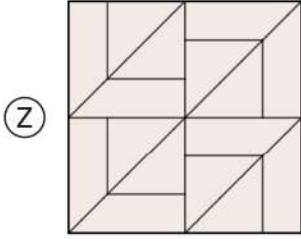
How many squares are on the outer surface of the pyramid above?

A) 156 B) 144 C) 181 D) 197 E) 168

68) 5 8 17 44 125 ?

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

69)

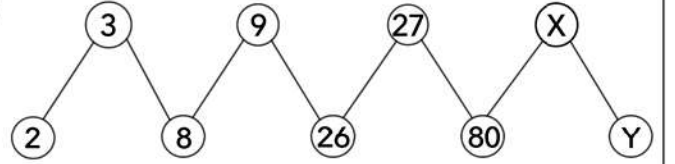


Z şeklini oluşturmak için hangi iki şekil kullanılmalıdır?

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

71)

$\Sigma$ $\beta$ &	$\forall$ $\emptyset$ $\Sigma$	$\Omega$ $\Psi$ $\forall$	?
$\Delta$ $\forall$ $\emptyset$	$\beta$ $\Omega$ $\Psi$	$\emptyset$ $N$ $\Delta$	
$\Omega$ $\Psi$ $N$	$N$ $\Delta$ &	& $\beta$ $\Sigma$	

A)

$\Delta$ $\Omega$ $\beta$
$N$ $\emptyset$ $\forall$
$\Sigma$ & $\Psi$

B)

$N$ $\Delta$ $\Omega$
$\Psi$ & $\beta$
$\Sigma$ $\emptyset$ $\forall$

C)

$\Psi$ $\Omega$ $\beta$
$N$ $\forall$ $\emptyset$
$\Delta$ $\Sigma$ &

D)

$\forall$ $\Sigma$ $\emptyset$
$\Omega$ $\beta$ $\Psi$
$\Delta$ & $N$

E)

$\Sigma$ $N$ $\forall$
$\beta$ $\emptyset$ $\Psi$
$\Delta$ & $\Omega$