

# GALATA TR-YÖS-5

Galata TR-YÖS  
denemesinin  
2.takımı

Sınav Süresi  
100 DK

@galatayosegitim

## SINAV İÇERİĞİ

Exam content

Sayısal Yetenek ..... 40 Soru  
Numerical Ability

Temel Matematik ..... 40 Soru  
Basic Mathematics

ADINIZ VE SOYADINIZ  
Your Name And Surname

SINIF  
Class



VIDEO  
ÇÖZÜMÜ

## IQ

1. TERKİ } 1 7 ◆ 5 3  
DİYAR } 0 7 3 5 ●  
ADABI } 6 4 3 0 7  
KİRAZ } 5 1 5 2 8  
BİRGİ } 2 7 3 9 7

BİRGİ = ?

- A) 1 7 ◆ 5 3      B) 0 7 3 5 ●      C) 6 4 3 0 7  
D) 5 1 5 2 1      E) 2 7 3 9 7

3.  $\overline{m} \overline{n} \overline{p} \overline{q} \dots ?$

- A)  $\overline{m} \overline{n}$       B)  $\overline{m} \overline{p}$       C)  $\overline{m} \overline{q}$   
D)  $\overline{m} \overline{r}$       E)  $\overline{m} \overline{s}$

2. 

A	B
C	D

 $\xrightarrow{a^\circ}$ 

B	D
A	C

 $\Rightarrow a^\circ = ?$
- A) 810      B) 90      C) 630      D) 180      E) 450

4.

A3!	XY;	3γ1	46
B;!	5MT	RX4	85
TAR	BYY	?	100

Soru işareti "?" yerine aşağıdakilerden hangisi gelmelidir?

- A) M68      B) 345      C) K35      D) BC1      E) 14C

5. 189, 162, 18, 72, 18, ?

- A) 18      B) 36      C) 72      D) 143      E) 9

7. RİBOZOM = 56  
RETİKULUM = 120  
MİTOKONDİRİ = 156  
KOFUL = 20

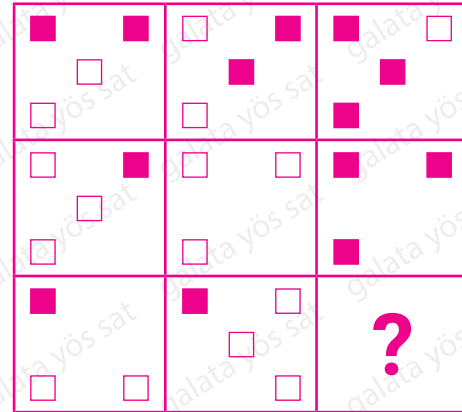
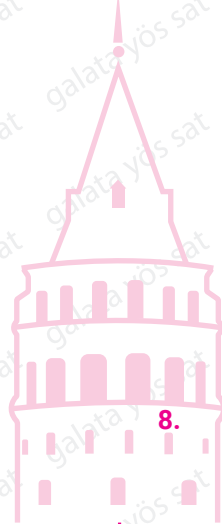
SİTOPLAZMA = ?

- A) 99      B) 120      C) 144  
D) 169      E) 181

6.  $\frac{a_1}{35}, \frac{a_2}{36}, \frac{a_3}{39}, \frac{a_4}{44}, \frac{a_5}{51}, \dots, \frac{a_{15}}{?}$

- A) 213      B) 223      C) 231  
D) 240      E) 289

8.

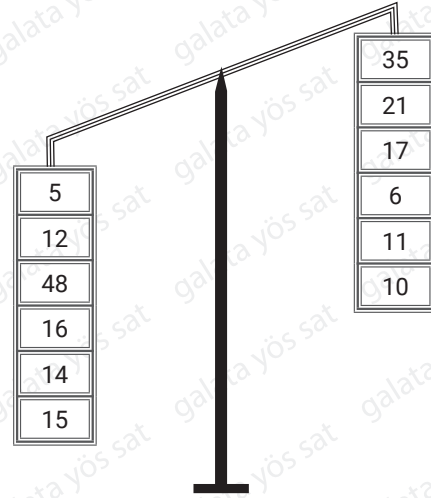


- A) B) C)   
D) E)

9.  $634 = 36$   
 $718 = 28$   
 $325 = 15$   
 $636 = ?$

- A) 54 B) 72 C) 78  
 D) 84 E) 96

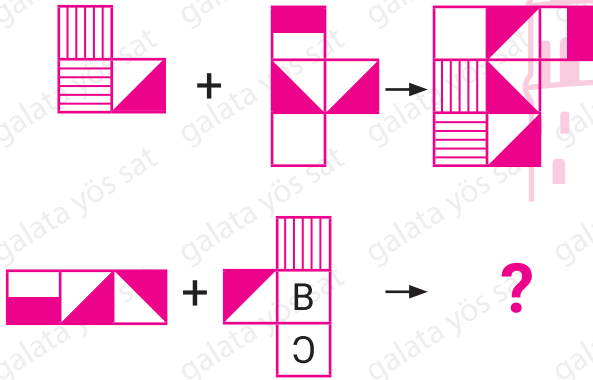
11.



Şeklin dengeye gelebilmesi için her iki taraftan hangi sayılar çıkarılmalıdır?

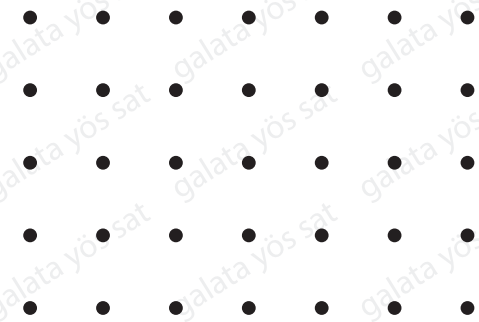
- A) 16 - 10 B) 16 - 6 C) 15 - 5  
 D) 48 - 35 E) 15 - 6

10.



- A) B) C)   
 D) E)

12.



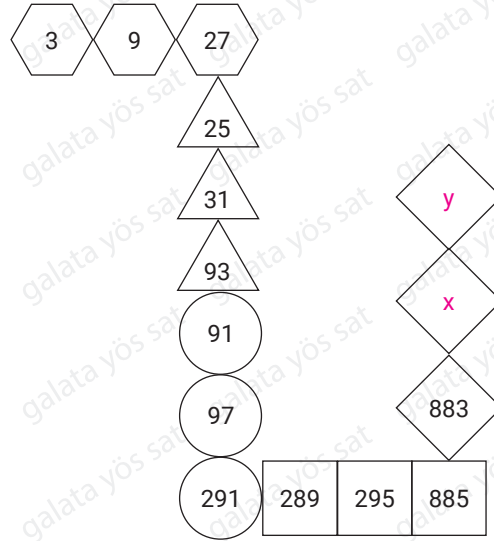
Noktalar birleştirildiğinde çizilen karelerden çevresi 8 birim olan en çok kaç kare bulunur?

- A) 8 B) 12 C) 15 D) 18 E) 50

13. 783 → 161  
345 → 79  
734 → 107  
456 → 101  
625 → ?

A) 87 B) 89 C) 91  
D) 100 E) 115

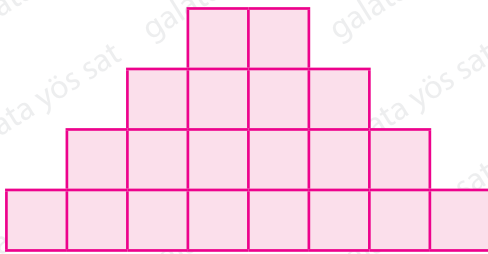
15.



⇒ x = ?

A) 889 B) 216 C) 925  
D) 196 E) 881

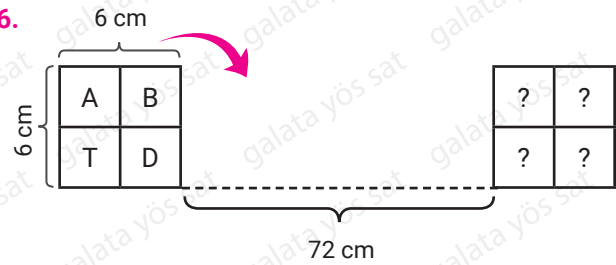
14.



Her bir karenin alanı  $16 \text{ br}^2$  olduğuna göre, şeklin çevresi kaç birimdir?

A) 320 B) 78 C) 80 D) 86 E) 96

16.



A) 

T	A
D	B

 B) 

A	B
T	D

 C) 

T	D
A	B

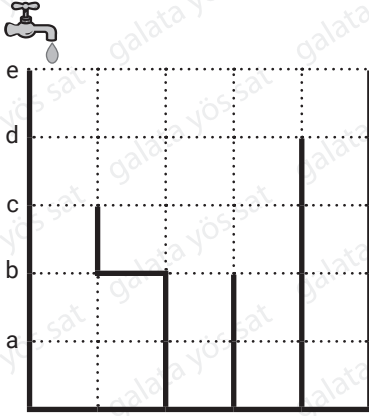
  
D) 

A	B
T	D

 E) 

B	D
A	T

17.



Eşit bölmelerin her biri musluktan akan su ile 5 dakika-  
da dolmaktadır.

Kaç dakika sonunda su "d" seviyesine ulaşır?

- A) 30 B) 100 C) 80 D) 120 E) 125

19.

3	2	2	5
8	9	1	2
6	4	4	3
4	7	x	2

$\Rightarrow x = ?$

- A) 1 B) 4 C) 5 D) 7 E) 9

18.

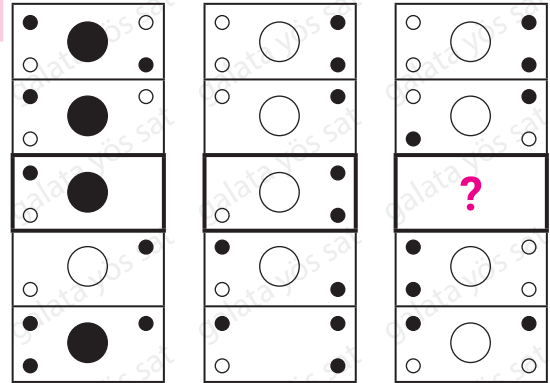
+	a	b	c
a		a . b	
b			b . c . 7
c	4 . a . c		

$a \neq 0$

$\Rightarrow a . b . c = ?$

- A) 20 B)  $\frac{1}{20}$  C)  $-\frac{1}{10}$  D) -10 E) 10

20.



- A) B) C) D) E)

21.

16	8	12	8
12	4	?	15
2	15	16	14
10	13	4	6

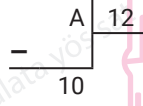
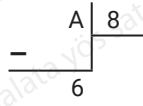
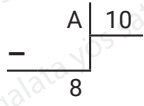
- A) 5 B) 8 C) 12 D) 16 E) 25

23.

72	23	46
33	25	26
61	18	?
42	34	43

- A) 46 B) 23 C) 72 D) 34 E) 64

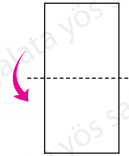
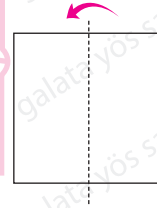
22.



$\min(A) = ?$

- A) 68 B) 98 C) 118 D) 216 E) 218

24.



- A) B) C) D) E)



25.

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

I.

	x	
		y
	x	

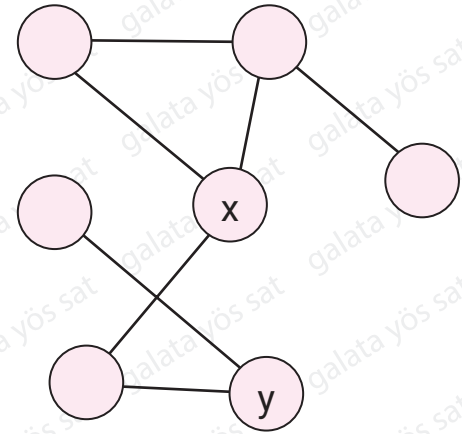
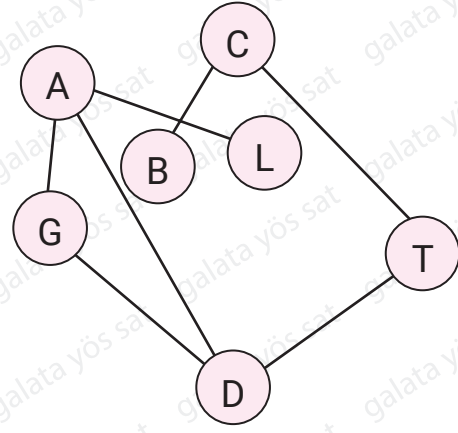
II.

z		
t		z

$\Rightarrow x \cdot z = ?$

- A) 72    B) 27    C) 30    D) 56    E) 15

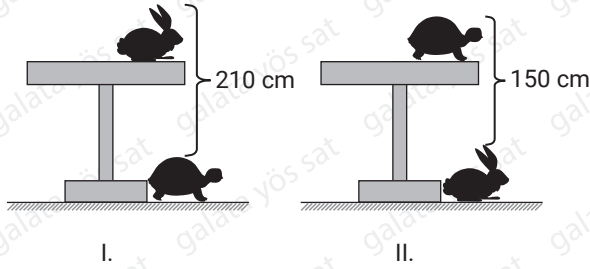
27.



$\Rightarrow x, y = ?$

- A) A, T    B) A, B    C) A, C    D) D, T    E) D, C

26.



Masanın boyu kaç cm'dir?

- A) 90    B) 100    C) 110    D) 180    E) 150

28.

3		4
	16	
12		25

9		5
	27	
15		4

12		13
	?	
5		7

- A) 23    B) 25    C) 27    D) 31    E) 36



29.

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

Yukarıdaki tabloya a, b, c, d, e, f harfleri her satır ve sütunda bir kez olacak şekilde yerleştirildiğinde "?" yerine hangi harf gelmelidir?

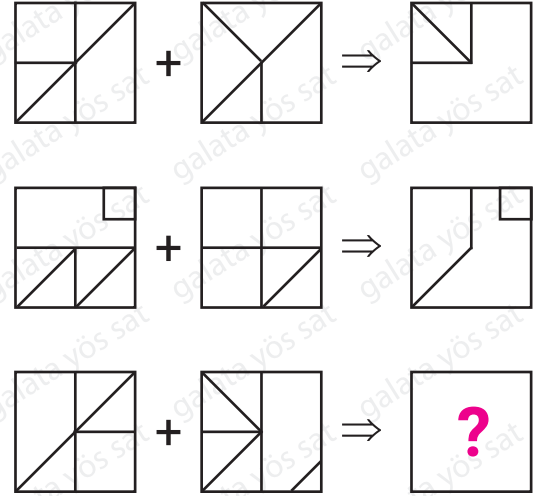
- A) b      B) c      C) d      D) e      E) f

30.

I.			
II.			
III.			

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

31.



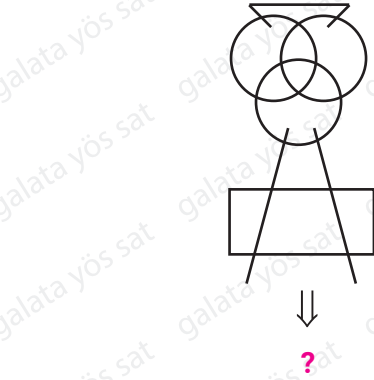
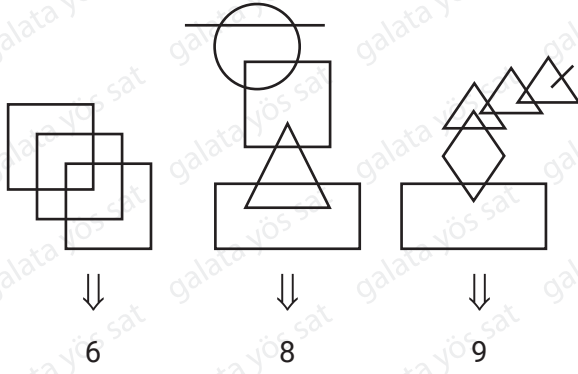
- A)
- B)
- C)
- D)
- E)

32.

$$\frac{TNOTNOTN}{TN} + \frac{TNRTNR}{TNR} + \frac{TTOTT}{T} = ?$$

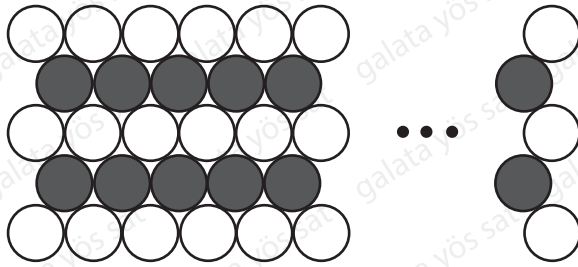
- A) 1013013      B) 1012013      C) 101313
- D) 123043      E) 1013003

33.



- A) 14 B) 15 C) 16 D) 17 E) 18

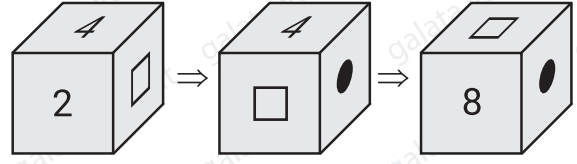
34.



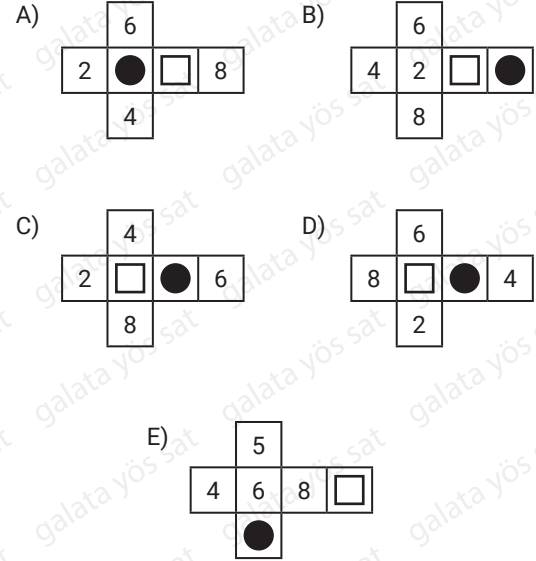
Yukarıdaki şekilde 63 beyaz daire olduğuna göre, kaç adet siyah daire vardır?

- A) 42 B) 40 C) 39 D) 38 E) 21

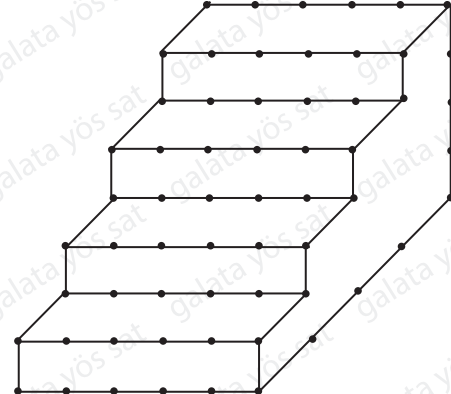
35.



Yukarıda kapalı hâli verilen küpün açık hâli aşağıdaki-lerden hangisidir?



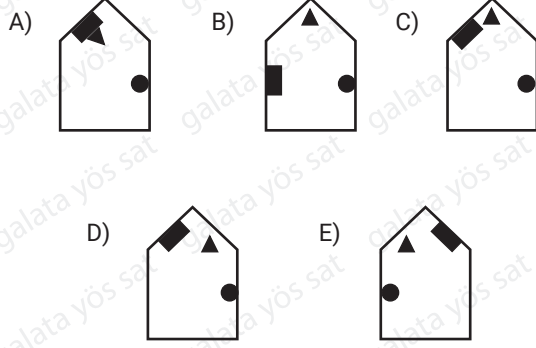
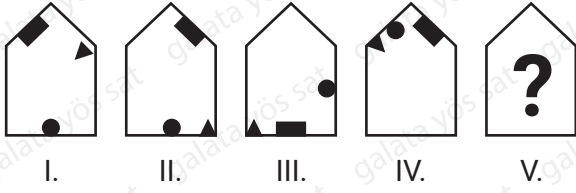
36.



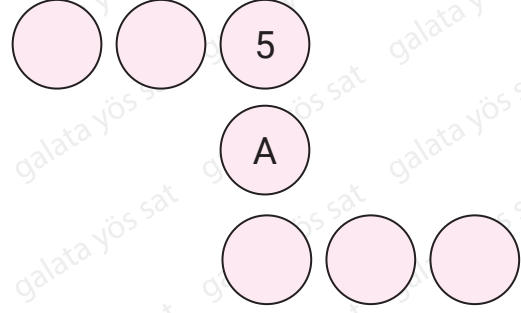
—•— x ?

- A) 57 B) 79 C) 82 D) 93 E) 104

37.



39. ve 40. soruları aşağıdaki bilgilere göre cevaplayınız.



Yukarıda verilen her bir dairenin içine 5, 6, 7, 8, 9, 10, 11 sayıları yerleştirilecektir.

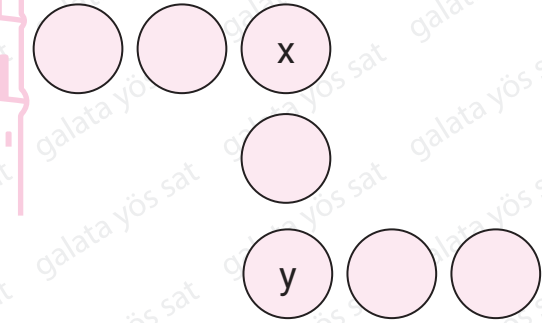
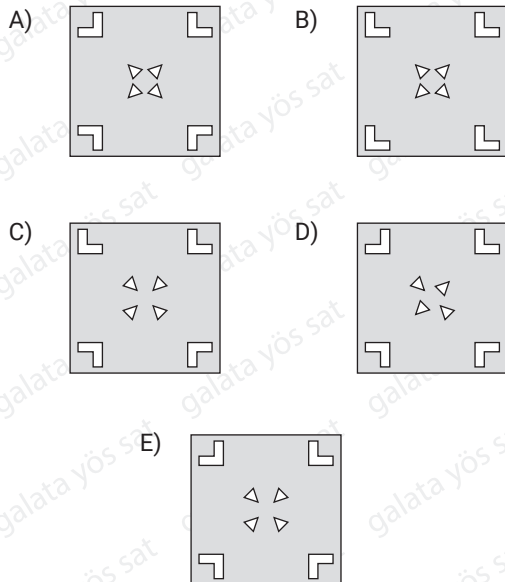
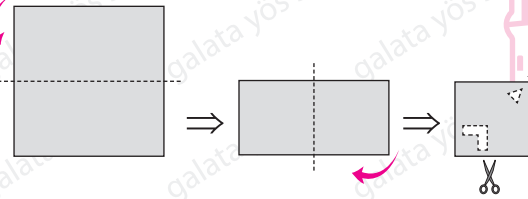
Yapılan yerleştirmede her bir kenar üzerindeki sayıların toplamı 24'tür.

39. Buna göre, A değeri kaçtır?

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

40.

38.



Kaç farklı (x, y) ikilisi vardır?

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

**IQ testi soruları bitti.**  
**Matematik ve Geometri testine geçiniz.**

*IQ test questions are over.*  
*Pass the math and geometry test.*

انتهت أسئلة اختبار الذكاء.

خذ اختبار الرياضيات والهندسة.



## MATEMATİK

1.  $(-2)^2 - (-3^2) + (2024)^0 \cdot (-1)^{2023} = ?$

A) -4

B) -6

C) 2

D) 12

E) 13

2.  $\frac{0,12}{0,4} + \frac{0,14}{0,2} = ?$

A) 1

B) 2

C) 3

D) 4

E) 5

3. a, b, c asal sayılardır.

$$a \cdot b - a \cdot c = 29$$

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

A) 30

B) 32

C) 34

D) 35

E) 37

4.  $(x + y - 5)$  ve  $(x - y - 4)$  aralarında asal sayılardır.

$$\frac{x + y - 5}{x - y - 4} = \frac{36}{30}$$

$$x \cdot y = ?$$

A) 10

B) 12

C) 15

D) 18

E) 20

5. AA ve BB iki basamaklı doğal sayılardır.

$$AA + BB = 77$$

$$\Rightarrow \max(A \cdot B) = ?$$

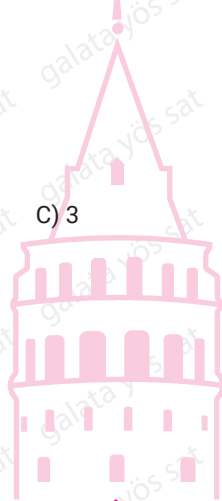
A) 3

B) 6

C) 10

D) 12

E) 15



6. ABB üç basamaklı, A4 iki basamaklı doğal sayılardır.

$$\frac{ABB + A4 + 40}{A4 + B} = ?$$

- A) 10 B) 11 C) 13  
D) 14 E) 15

7.  $A = 1 + 2 + 3 + \dots + 15$   
 $B = 2 + 4 + \dots + 32$

Olduğuna göre,

- I.  $B = 2A$   
II.  $B = 2A + 32$   
III.  $B = A + 152$

verilenlerinden hangileri doğrudur?

- A) II ve III B) I ve III C) I ve II  
D) Yalnız I E) Yalnız III

8. A, B, C doğal sayılardır.

$$\frac{A + 3B}{B + C} = 3$$

$$\Rightarrow \min(A + B + C) = ?$$

- A) 0 B) 1 C) 3  
D) 4 E) 5

9.  $a \in \mathbb{R}$  olmak üzere,

$$M = 2 - a$$

$$N = 3 + 2a$$

$$\Rightarrow \max(M \cdot N) = ?$$

- A) 5 B) 6 C)  $\frac{49}{4}$   
D)  $\frac{49}{9}$  E)  $\frac{49}{8}$

10.  $x < x \cdot y < -x \cdot y$

Olduğuna göre,

- I.  $x < 0$   
II.  $y < 0$   
III.  $y^2 < 1$

ifadelerinden hangileri doğrudur?

- A) I ve II B) I ve III C) II ve III  
D) Yalnız I E) Yalnız II

11.  $a, b, c \in \mathbb{R}$  olmak üzere,  
 $a > 1, b > 1, c > 1$

$$x = \frac{4}{a} + \frac{5}{b} + \frac{6}{c}$$

olduğuna göre,  $x$ 'in en büyük tam sayı değeri kaçtır?

- A) 15 B) 14 C) 10  
D) 6 E) 5

12.  $-1 < x < 0$   
 $|2x| + |1 - x| - |-x| = ?$

- A)  $-x$  B)  $2x$  C)  $2x - 1$   
D)  $1 - 2x$  E) 1

13.  $|a^2| + |2a - 3| = a^2 + 7$   
olduğuna göre,  $a$ 'nın alabileceği değerler toplamı kaçtır?

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

14.  $n! = 1 \cdot 2 \cdot \dots \cdot n$   
 $4! + 29 \cdot x! = 6!$   
 $\Rightarrow (x - 1)! = ?$

- A) 3 B) 4 C) 6  
D) 10 E) 24

15.  $\frac{(n - 2)! + (n - 3)!}{(n - 1)!} = \frac{5}{15}$   
 $\Rightarrow n = ?$

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



16.  $\frac{15^4 - 2 \cdot 5^4 - 3^4 + 2}{624} = ?$

- A) 125      B) 120      C) 100  
D) 81      E) 79

19.  $\frac{x - 3\sqrt{x} - 4}{\sqrt{x} + 1} = -2$

$\Rightarrow x = ?$

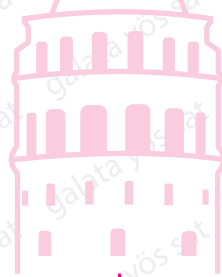
- A) 2      B) 4      C) 3  
D) 9      E) 25

17.  $\frac{7 \cdot 125^x}{5^x - 1 \cdot 7^x} = \frac{625}{7^x - 1}$

$\Rightarrow x = ?$

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

C) 1



18.  $\sqrt{\frac{\sqrt{15} \cdot \sqrt{45} \cdot \sqrt{9}}{\sqrt{10} \cdot \sqrt{30} \cdot \sqrt{4}}} = ?$

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

20.  $x = 17$   
 $y = \sqrt{240}$

$\Rightarrow \sqrt{x+y} - \sqrt{x-y} = ?$

- A)  $2\sqrt{5}$       B)  $2\sqrt{15}$       C)  $\sqrt{15}$   
D)  $\sqrt{3}$       E) 0



21.  $x \cdot y = -1$   
 $x \cdot (x - 2y + 6) = -7$   
 $\Rightarrow x = ?$

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

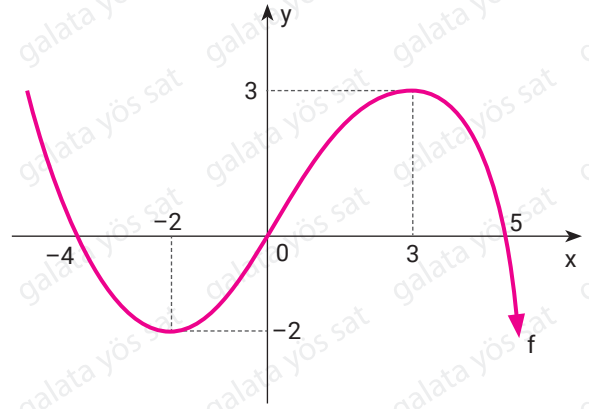
22.  $f(x + 1) = g(x - 2) = x^2$   
 $\Rightarrow (f \circ g)(1) + (g \circ f)(0) = ?$

A) 9 B) 64  
D) 73 E) 81

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

A) -10 B) -12  
D) 5 E) 9

24.



Yukarıda  $y = f(x)$  fonksiyonunun grafiği verilmiştir.

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

olmak üzere,  $y = g(x)$  fonksiyonunu tanımsız yapan kaç tane  $x$  reel sayısı vardır?

- A) 5 B) 6 C) 8  
D) 10 E) 11



25.

$$A = \{x : x < 122, x = 3k, k \in \mathbb{N}\}$$

$$B = \{x : 11 < x < 151, x = 4k, k \in \mathbb{N}\}$$

$$\Rightarrow s(A \cap B) = ?$$

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

26.  $(A \setminus B) \cup (A \cap B)$

ifadesinin eşiti aşağıdakilerden hangisidir?

- A)  $(A \cap B)$  B)  $B$  C)  $(A \cup B)$   
D)  $B \setminus A$  E)  $A$

27. b ve c rasyonel sayılar olmak üzere,

$$3x^2 - bx + c - 1 = 0$$

denkleminin çözüm kümesi,

$$\mathbb{C}.K = \{\sqrt{3} + 1, k\}$$

olduğuna göre, b . c çarpımı kaçtır?

- A) 15 B) -15 C) -30  
D) 24 E) 30

28.  $a^2 = -1$

$$\Rightarrow a^2 + a^3 + a^5 + a^6 = ?$$

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

29.  $P(x)$  bir polinom olmak üzere,

$$P(x) = (m - 3)\sqrt{x} + \frac{(n + 5)}{x} + mx + mn$$

$$\Rightarrow P(6) = ?$$

- A) 10 B) 7 C) 3  
D) 2 E) 0

30.  $P(x)$  bir polinom olmak üzere,

$$(x - 1) \cdot P(x) = x^3 + m \cdot x + 7$$

olduğuna göre,  $P(x + 1)$ 'in sabit terimi kaçtır?

- A) 0 B) 2 C) 3  
D) -5 E) -1

GEOMETRİ

1.  $m(\widehat{EAC}) = 3 m(\widehat{AED})$

$|AD| = |DE| = |BE|$

$|AE| = |AC|$

$m(\widehat{ABE}) = ?$

- A) 30 B) 40 C) 50 D) 60 E) 70

2.  $m(\widehat{BAC}) = 45^\circ$

$|AB| = |AC|$

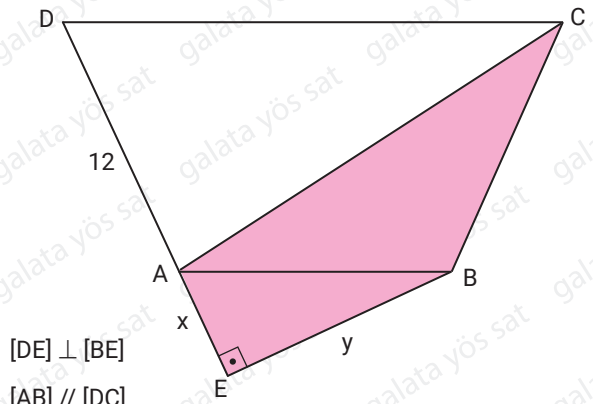
$|AB| = 8\sqrt{2}$

$|BC| = x$

$\Rightarrow x^2 = ?$

- A)  $64 + 32\sqrt{3}$  B)  $32 - 3\sqrt{2}$  C)  $64 - 2\sqrt{2}$   
D)  $256 - 128\sqrt{2}$  E)  $32\sqrt{2} - 16$

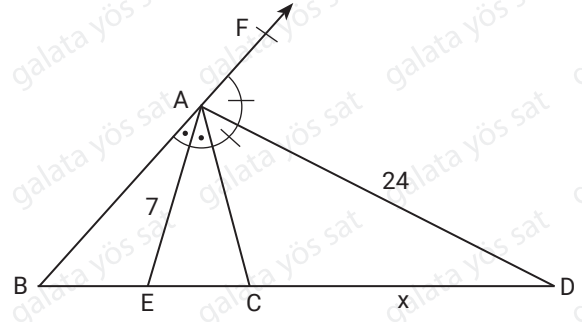
3.



$xy + 12y = ?$

- A) 10 B) 11 C) 22 D) 44 E) 88

4.



- A) 16 B) 17 C) 18 D) 42 E) 25

5.

$|AB| = |AC|$

$\frac{|KC|}{|DB|} = \frac{1}{2}$

$|BE| = 8$  br

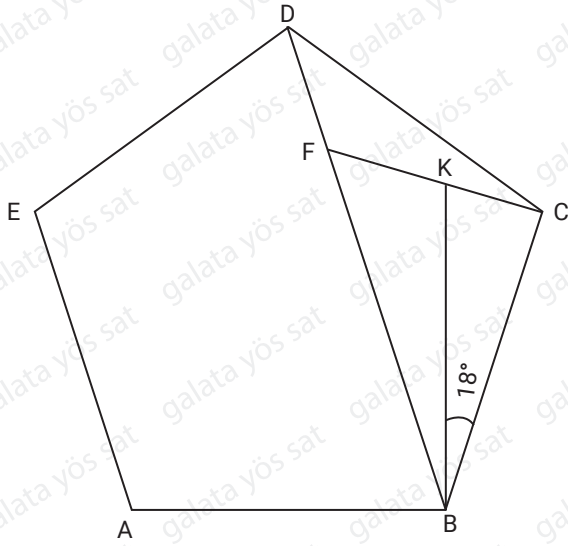
$|LC| = 4$  br

$|KL| = 2\sqrt{3}$  br

$|DE| = x = ?$

- A) 4 B)  $4\sqrt{3}$  C) 8 D)  $8\sqrt{3}$  E) 16

6.

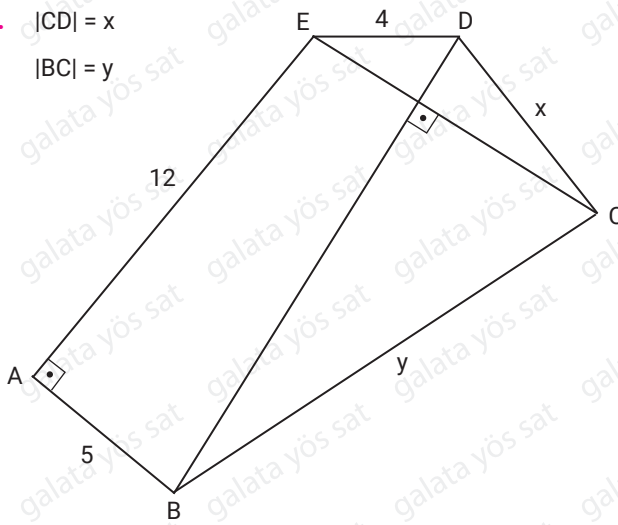


ABCDE düzgün beşgen,  
 $m(\widehat{CBK}) = 18^\circ$ ,  $2|FK| = 3|KC|$ ,  $|FB| = 6$  br

$\widehat{C(ABCDE)} = ?$

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

7.  $|CD| = x$   
 $|BC| = y$

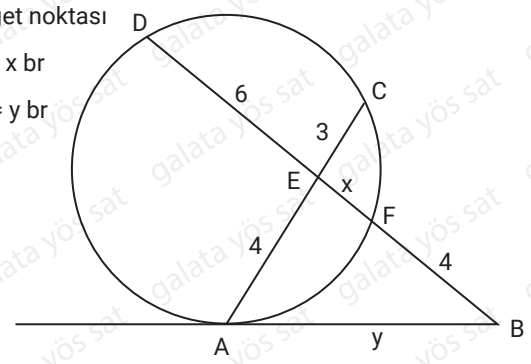


$y^2 - x^2 = ?$

- A) 150 B) 153 C) 160 D) 169 E) 171

8.

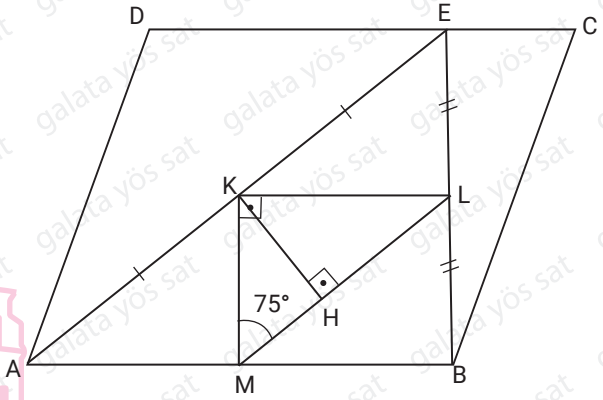
A; teğet noktası  
 $|EF| = x$  br  
 $|AB| = y$  br



$\frac{y}{x} = ?$

- A) 2 B)  $2\sqrt{3}$  C) 4 D)  $4\sqrt{3}$  E) 8

9.

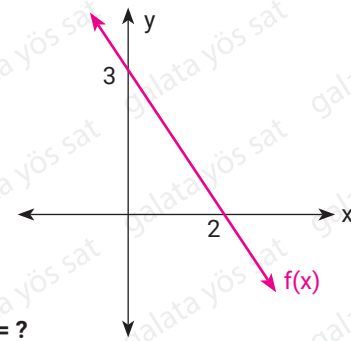


ABCD paralelkenar,  $|ML| = 4\sqrt{3}$  br

$A(ABCD) = ?$

- A) 12 B)  $12\sqrt{3}$  C) 24 D)  $24\sqrt{3}$  E) 48

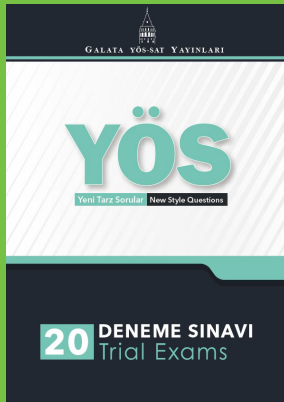
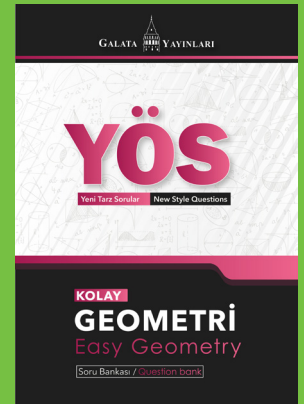
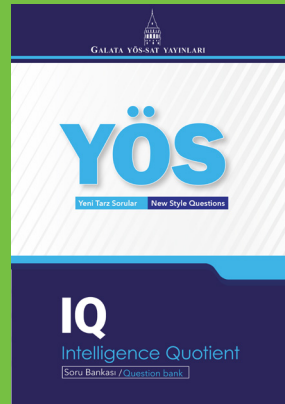
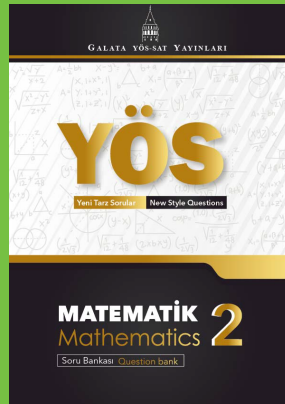
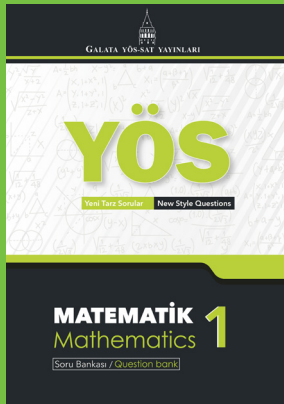
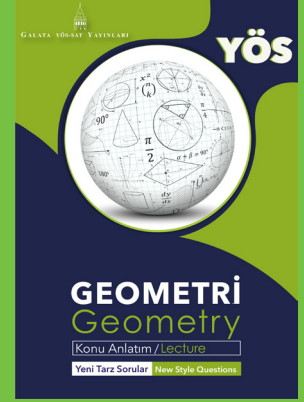
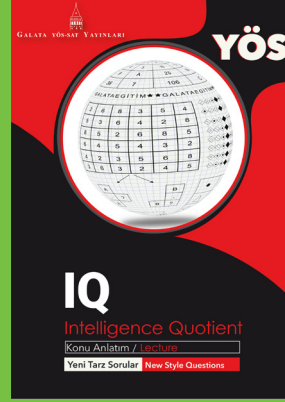
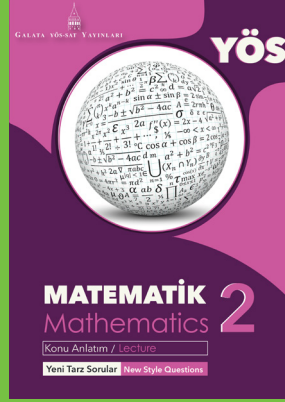
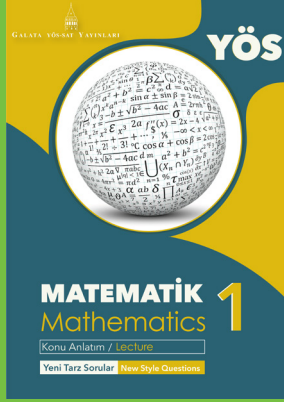
10.



$y = f(x) = ?$

- A)  $y = 3 - \frac{3}{2}x$  B)  $y = 3 + x$  C)  $y = 3 + 2x$   
D)  $y = \frac{3}{2} - 3x$  E)  $y = \frac{1}{3} - 3x$

# YAYINLARIMIZ PUBLICATIONS



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