GALATA YÖS-SAT YAYINLARI

# YÖS

Yeni Tarz Sorular | New Style Questions



## 20 DENEME SINAVI
## Trial Exams

**ISBN:** 978 – 605 – 06867–0–8

**Yayın kurulu** / Publishing Board
Galata

**Birinci baskı** / First Edition
Mart 2020

**Dizgi Sayfa Tasarımı** / Page Design
Tirkish GURBANOV
Ramil SALİMOV

**Kapak tasarımı** / Cover Design
Tirkish GURBANOV



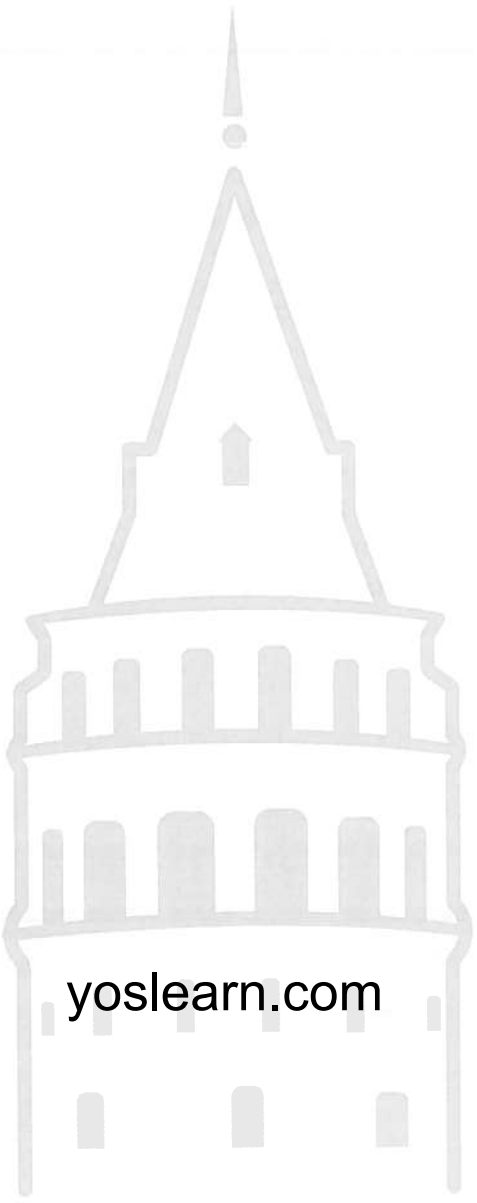
**Baskı** / Press
Aykut Basım

## ÖNSÖZ

Değerli öğretmen ve sevgili öğrencilerimiz;
Galata Eğitim kurumları, 2005'ten bugüne YÖS, SAT ve TÖMER sınavlarına hazırlanan öğrencilerimize eğitim öğretimin yanısıra rehberlik hizmetleri de veren bir eğitim kurumudur.
Kurumumuz ülkemizde YÖS'e girecek öğrencilerle birlikte dünyanın farklı yerlerinden ülkemize gelen uluslararası öğrencilere de YÖS'e hazırlanma aşamasında şu hizmetleri vermektedir;
– Ders çalışma teknikleri
– Üniversite ve bölüm bilgileri
– Başvuru ve tercih aşamasında rehberlik hizmetleri
Öğrencilerimiz bu aşamalardan doğru yönlendirmelerle geçerek, adım adım başarıya ulaşması sağlanmaktadır.
Elinizde bulunan YÖS deneme kitabında 20 adet deneme bulunup her biri 80 sorudan oluşmaktadır, Üniversitelerin son yıllarda YÖS'te sormuş oldukları yeni tarz sorulara göre hazırlanmıştır. IQ, Matematik ve Geometride bütün konuları kapsayacak şekilde her tarz sorudan hazırlanan denememiz, sizleri başarıya ulaştıracak ve sınavlarda karşınıza çıkacak sorularda pratiklik kazandıracaktır. Değerli öğretmen ve sevgili öğrencilerimize faydalı olması dileğiyle.

## FOREWORD

Galata Education Center is an educational institution that has been providing guidance and educational
services to students who prepare for SAT, YOS and TOMER examinations since 2005.
Our institution is a hub of attraction for students from all over the world, for it familiarizes students with study techniques, helps with the guidance for university applications and career
choices.
This book consists of 20 practice tests, each with 80 questions from all three subjects - Mathe-
matics, IQ and Geometry. All these questions were prepared correspondingly, through the years of experince to help you get a perfect score on the exam. All the questions are parallel with
YOS exam questions.
We hope this book to be beneficial to our dear students and teachers.


yoslearn.com

# GDS 1

Adı
Name

Soyadı
Last name

yoslearn.com

# GDS GENEL DENEME SINAVI
# GENERAL TRİAL EXAMS

**1.** 3, 12, 27, 48, 75, ?

A) 103 B) 108 C) 110 D) 115 E) 122

**2.**
$$\begin{array}{r} AAB \\ \times \quad B \\ \hline CCC6 \end{array} \Rightarrow A \cdot B \cdot C = ?$$

A) 144 B) 108 C) 90 D) 72 E) 36

**3.** ◇ □ = 4393
▽ ○ = 2454
△ ▽ = 9364
□ ○ = 4354
△ □ = 5464

$\Rightarrow$ ○ ▽ □ = ?

A) 246454 B) 544364 C) 432454
D) 649354 E) 439364

**4.** $a^3 \bigstar \frac{3}{b} = \frac{1}{a+b}$

$\frac{1}{27} \bigstar 18 = ?$

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

**5.** I. ▽ 1 4 2 3 = 9
II. ▽ 2 1 4 2 = 18
III. ▽ 3 2 5 1 = 14
IV. ▽ 4 2 1 3 = ?

A) 10 B) 12 C) 13 D) 17 E) 19



**6.** 5 (2, 4) 3 — 4 (3, 3) 5 — 9 (4, 3) 3 — 8 (5, 4) ?

A) 15 B) 12 C) 10 D) 9 E) 8

**7.**

| x | a | b |
|---|---|---|
| a | | $4a+b^2$ |
| b | $4a^2+b^2+1$ | |

$\Rightarrow \quad 2b^2-b+2a=?$

A) 4 B) 1 C) 0 D) −2 E) −3

**8.**

| | △ | ○ | □ |
|---|---|---|---|
| 1 | 2 | B | 1 |
| 4 | 3 | 10 | 5 |
| 9 | A | 25 | 14 |
| 36 | 7 | 106 | C |

$\Rightarrow \quad A+B+C=?$

A) 75 B) 60 C) 55 D) 40 E) 25



**9.** 100, 121, 144, 196, ?

A) 787 B) 866 C) 884 D) 955 E) 988

**10.**

$$\begin{array}{r} KLMN \\ +\ NMLK \\ \hline 14674 \end{array} \qquad \begin{array}{r} KLM \\ -\ \ KL \\ \hline 562 \end{array}$$

$\Rightarrow \quad N=?$

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

**11.** GALATAEGİTİM★★GALATAEGİTİM★★...

2019. işaret aşağıdakilerden hangisidir ?
**Which one of following symbols is in the 2019 th place ?**

A) E B) G C) ★ D) A E) L

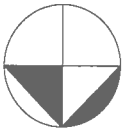
**12.** Aşağıdakilerden hangisi diğerlerinden farklıdır ?
**Which one of the following is different ?**

A) 

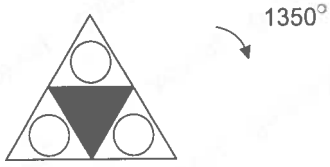
B) 

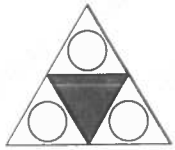
C) 

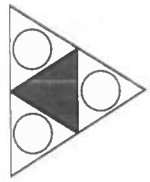
D) 

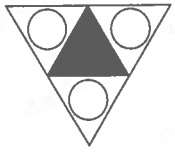
E) 

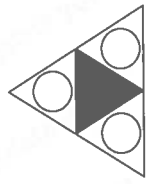
**13.**

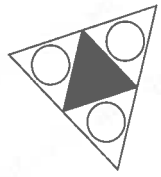



A) 

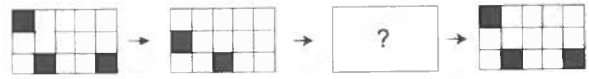
B) 

C) 

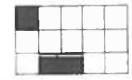
D) 

E) 

**15.**




A) 

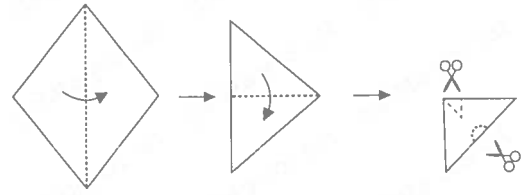
B) 

C) 

D) 

E) 

**16.**



A) 

B) 

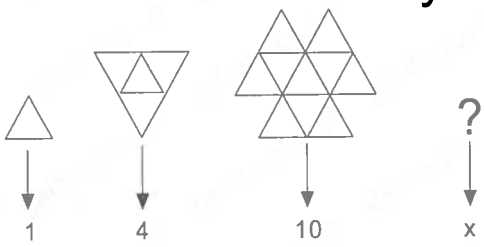
C) 

D) 

E) 

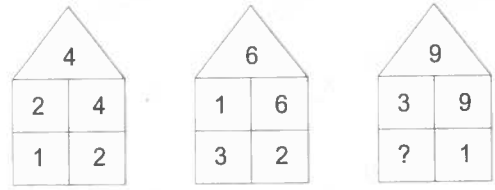


**14.**




A) 16 B) 19 C) 23 D) 25 E) 30

**17.**




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

**18.** $\overrightarrow{\text{GALATA}}$ = ALAGTA

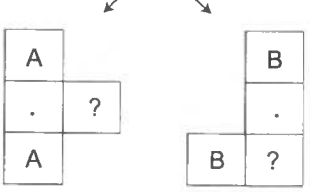
$\overrightarrow{\text{EĞİTİM}}$ = ?

A) TİMEĞİ B) ĞETİMİ C) TEMİĞİ

D) MİTİĞE E) TİĞEİM

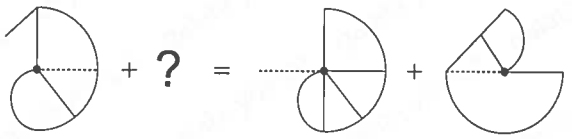
**19.**

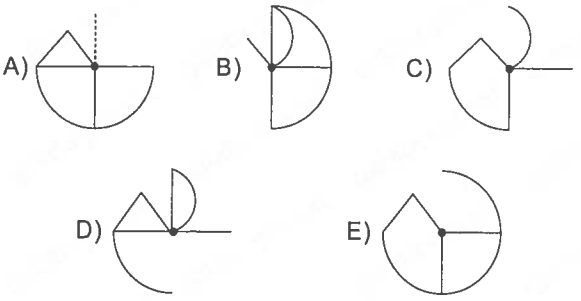
| | | | | | |
|---|---|---|---|---|---|
| 2 | 6 | 8 | 3 | 5 | 4 |
| 5 | 3 | 6 | 4 | 2 | 8 |
| 8 | 5 | 2 | 6 | 8 | 5 |
| 6 | 4 | 5 | 4 | 3 | 2 |
| 4 | 2 | 3 | 5 | 6 | 8 |
| 3 | 6 | 3 | 2 | 4 | 5 |



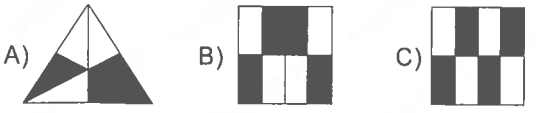

A) 8,3 B) 6,4 C) 8,5 D) 2,6 E) 6,2

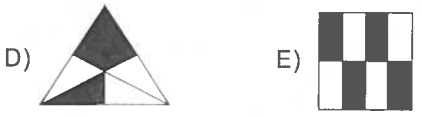
**20.**



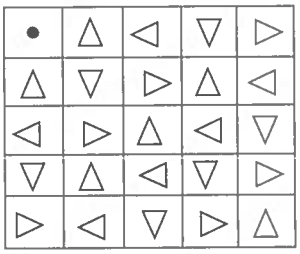




**21.**

**22.**

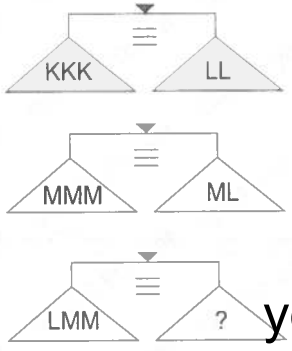


$\triangleleft^3 = (\triangleleft \bullet \triangleleft) \bullet \triangleleft = \triangle \bullet \triangleleft = \triangleright$

$\Rightarrow \triangleright^{2019} = ?$

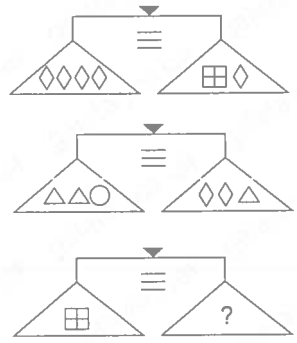
A) $\triangleright$ B) $\triangledown^2$ C) $\triangle$ D) $\triangleright^5$ E) $\triangleleft$

**23.**



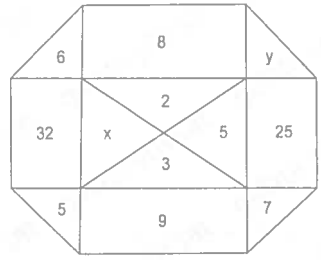

A) KLL B) KKM C)LLL
D) KKK E) MMMMM

**24.**




A) ◊△△ B) △△△ C) ○◊◊
D) ○○ E) ◊△○

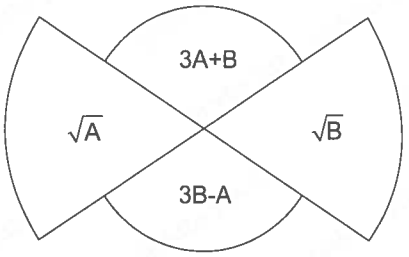
**25.**




x+y=?

A) 3 B) 6 C) 7 D) 10 E) 14

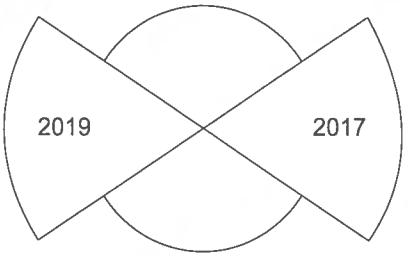
zellik *Feature*




Yukarıdaki şekle göre 26.–27. soruları birbirinden bağımsız olarak cevaplayınız.

**Answer the questions 26.–27. independently according to the figure given above.**

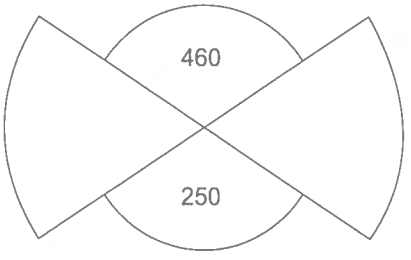
**26.**




A-B=?

A) 4032 B) 4036 C) 6052 D) 8064 E)8072

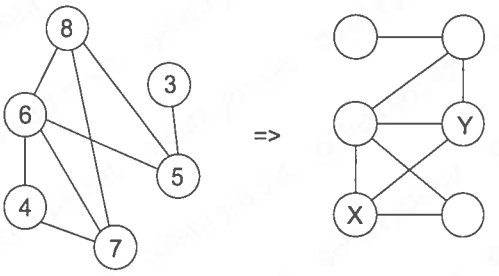
**27.**




$\sqrt{A \cdot B + 16} = ?$

A) 109 B) 113 C) 117 D) 121 E) 125

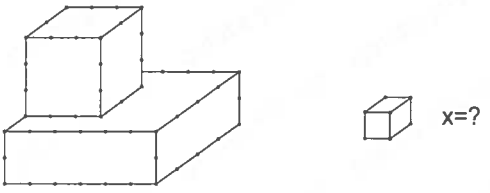
**28.**




X , Y = ?

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

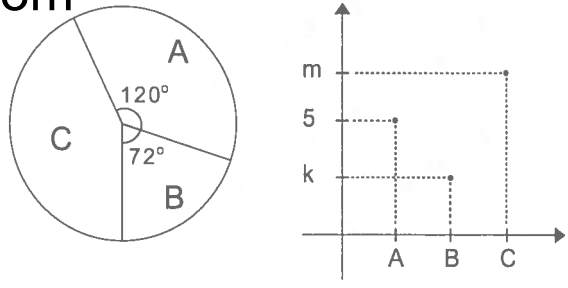
**29.**




A) 64 B) 66 C) 68 D) 70 E) 72



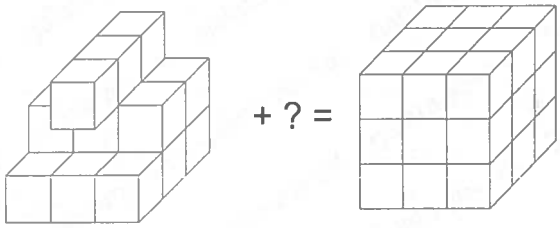
**30.**

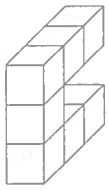


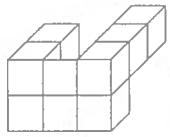

=> m – k = ?

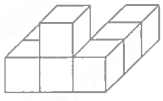
A) 3 B) 4 C) $\frac{5}{6}$ D) 6 E) 7

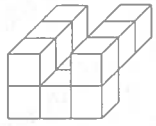
**31.**

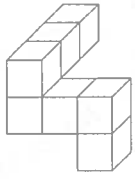



A) 

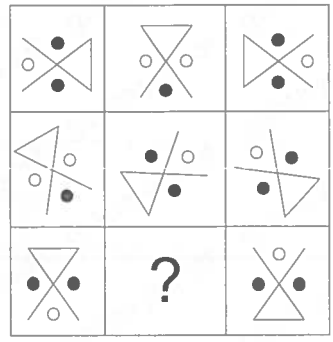
B) 

C) 

D) 

E) 

**33.**




A) 

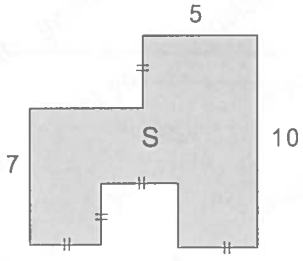
B) 

C) 

D) 

E) 

**32.**

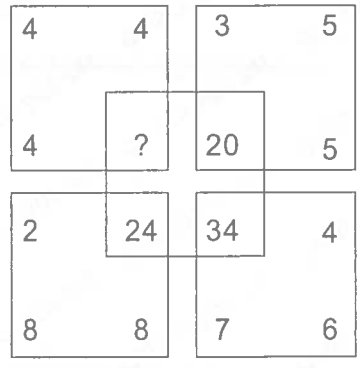



Alan (S) = ?
**Area (S) = ?**

A) 90 B) 83 C) 69 D) 63 E) 60

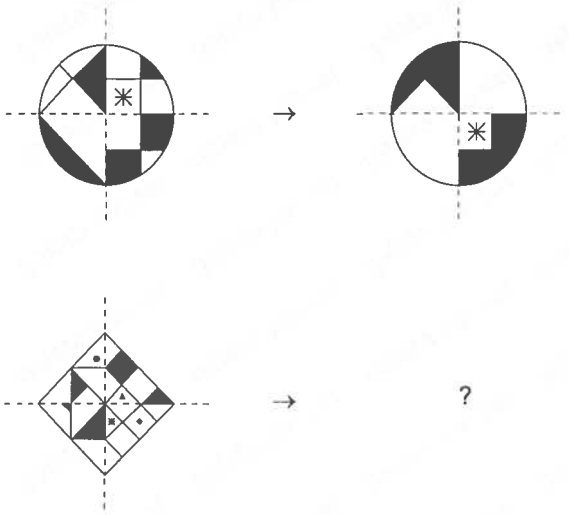


**34.**

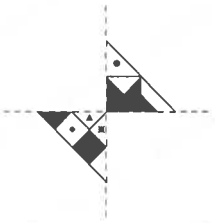



A) 20 B) 24 C) 25 D) 28 E) 30

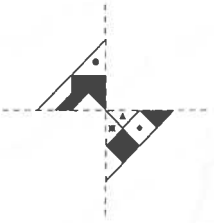
**35.**



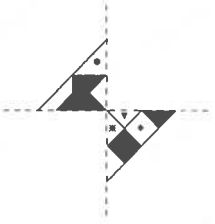

A)



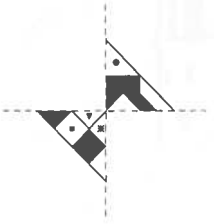
B)



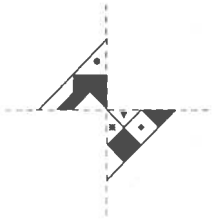
C)



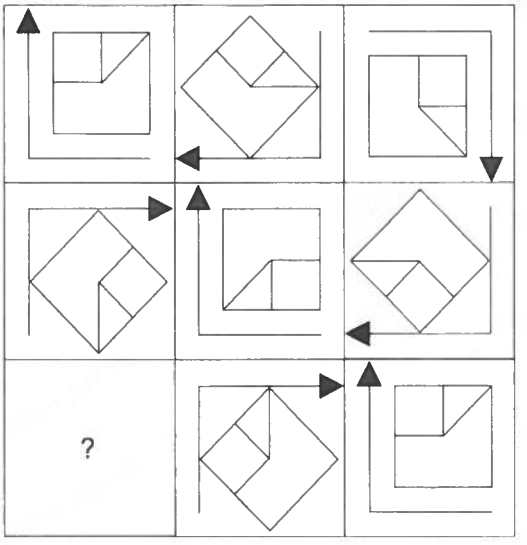
D)



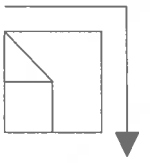
E)



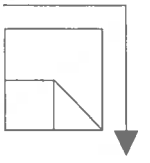
**36.**



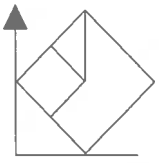

A)



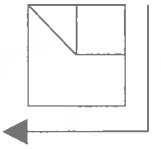
B)



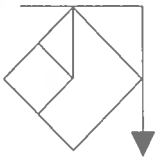
C)



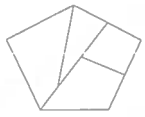
D)

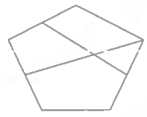


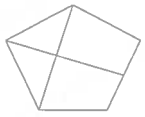
E)

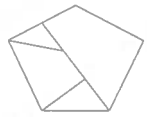


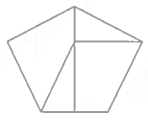
**37.**  = ?

A) 

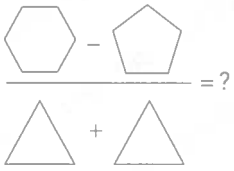
B) 

C) 

D) 

E) 

**38.** 

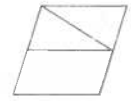


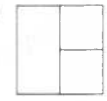
A) 1 B) $\frac{1}{2}$

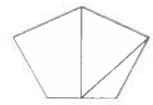
C) 2 D) $\frac{2}{3}$

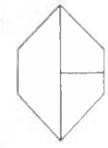
E) 3

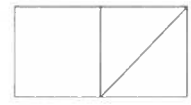
**39.** Aşağıdakilerden hangisi diğerlerinden farklıdır ?
**Which one of the following is different ?**

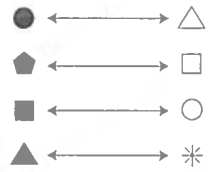
A) 

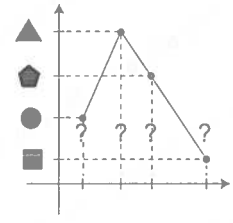
B) 

C) 

D) 

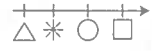
E) 

**40.** 



A) 

B) 

C) 

D) 

E) 



**41.** A=7+11+15+...+95
B=5+11+17+...+95

A-B=?

A) 373 B) 384 C) 395
D) 800 E) 1173

**42.** $x=\frac{18}{17}+\frac{18}{19}+\frac{18}{23}$

$\frac{16}{17}+\frac{1}{19}+\frac{5}{23}=?$

A) 3+x B) 3-x C) x-4 D) 4-x E) x+4

**43.** $3+\cfrac{18}{3+\cfrac{18}{3+\cfrac{18}{\vdots}}}=?$

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

**44.** $\frac{3}{2^a-1}+\frac{3}{2^{-a}-1}=?$

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

**45.** $\frac{(-a)^4\cdot a^2\cdot(-a)^{-3}}{(-a)^5\cdot(-a)^{-4}}=?$

A) a B) –a C) $a^2$ D) $-a^2$ E) $a^{-2}$

**46.** $x^4=49-20\sqrt{6}$ => $x=?$

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

**47.** $\frac{\sqrt{\sqrt{11}-\sqrt{5}}-\sqrt{\sqrt{11}+\sqrt{5}}}{\sqrt{\sqrt{11}-\sqrt{6}}}=?$

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

**48.** $\frac{x}{y}=\frac{z}{t}=k$

$\frac{x-y}{z-t}:\frac{x+y}{z+t}=?$

A) k+1 B) $k^2$ C) $k^2+1$ D) k E) 1

**49.** $f:R-\{2\}\rightarrow R-\{1\}$

$f(x)=\frac{2x+3}{2x-4}$ $\Rightarrow$ $f(3x)=?$

A) $\frac{6x-2}{6x-4}$ B) $\frac{6x+1}{6x-3}$ C) $\frac{6x-4}{6x-3}$ D) $\frac{6x+3}{6x-4}$ E) $\frac{6x+1}{6x-4}$



**50.** $x^2-(2a-1)x+a=0$ $SS=\{x_1,x_2\}$

$\frac{1}{2x_1-2}+\frac{1}{2x_2-2}=1$ $\Rightarrow a=?$

A) 0 B) 1 C) $\frac{5}{3}$ D) 3 E) $\frac{7}{4}$

**51.** $f(x) = x^2 + (2-a)x + a$

Parabolünün simetri ekseni 2x+4=0 doğrusudur.
**Axis of symmetry of parabola 2x+4=0.**

$\min f(x) = ?$

A) -6 B) -4 C) 8 D) 12 E) 14

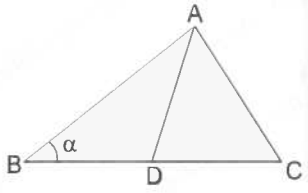
**52.** $i = \sqrt{-1}$

$$\frac{i^{2004} + i^{2005} + i^{2006}}{i^{-2004} + i^{-2005} + i^{-2006}} = ?$$

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

**53.** $|AD| = |BD| = |CD|$
$|AB| = 15$
$|AC| = 8$
$m(\widehat{ABC}) = \alpha$

$$\frac{\tan\alpha}{\sec\alpha} = ?$$




A) $\frac{8}{15}$ B) $\frac{15}{17}$ C) $\frac{15}{8}$ D) $\frac{17}{15}$ E) $\frac{8}{17}$

**54.** $A = \sqrt{-x^2 + 10x - 25} + |x-6| + 2x$

$A \in R \Rightarrow A = ?$

A) 9 B) 11 C) 13 D) 15 E) 17

**55.** $\frac{\log 36}{\log 2} - \frac{\ln 81}{\ln 4} = ?$

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

**56.** $\sqrt{2x+3} + \sqrt{x+1} = 1$ $SS = ?$

A) { 0 } B) { -1 } C) { 0,3 }
D) { 1,3 } E) { -1,3 }

**57.** $P(mx+n) = 3x^3 - x^2 + 4x - 3$

$P(x)$ | $x-m-n$
$Q(x)$
$k$

$\Rightarrow k = ?$

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



**58.** $\left(i - \frac{i}{5}\right)\left(i - \frac{i}{6}\right)\left(i - \frac{i}{7}\right)\cdots\left(i - \frac{i}{40}\right) = ?$

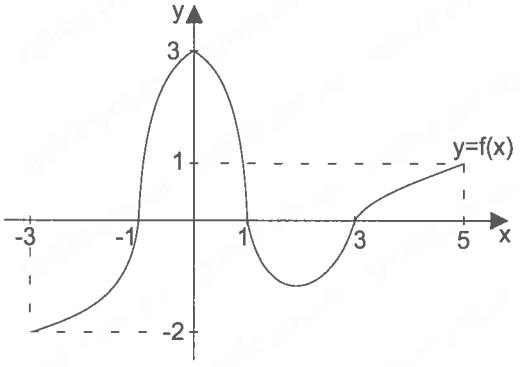
A) $-\frac{1}{10}$ B) $\frac{i}{10}$ C) $\frac{1}{10}$
D) $-\frac{i}{20}$ E) $\frac{i}{20}$

**59.** $(x^2-3x+4)(x-1)^2<0 \Rightarrow SS=?$

A) $(-\infty,1)$ B) $(-3,1)$ C) $\varnothing$

D) $(1,\infty)$ E) R

**60.**




$fof(2x+1)=3f(5)+f^{-1}(3) \Rightarrow \sum x=?$

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

**61.** $\log a+\log\frac{a+1}{a}+\log\frac{a+2}{a+1}+\ldots+\log\frac{a+95}{a+94}=2$

$\frac{\log 125}{\log a}=?$

A) 3 B) 5 C) 9 D) 25 E) 125

**62.** $A=\begin{pmatrix}1 & 1\\ -1 & 2\end{pmatrix}$, $f(x)=x^2-3x+3 \Rightarrow f(A)=?$

A) $\begin{pmatrix}2 & -1\\ 0 & 4\end{pmatrix}$ B) $\begin{pmatrix}2 & -1\\ -1 & 3\end{pmatrix}$ C) $\begin{pmatrix}0 & 0\\ 0 & 0\end{pmatrix}$

D) $\begin{pmatrix}3 & 0\\ -1 & 2\end{pmatrix}$ E) $\begin{pmatrix}3 & -1\\ 0 & 0\end{pmatrix}$

**63.** $0<x<\frac{\pi}{2}$ , $\tan x=\frac{3}{4}$

$\frac{\sin^3 x-\cos^3 x}{1+\frac{\sin 2x}{2}}=?$

A) $\frac{7}{5}$ B) $\frac{2}{5}$ C) $\frac{1}{5}$ D) $-\frac{1}{5}$ E) $-\frac{2}{5}$



**64.** $\lim_{x\to -1}\left[(x+1)\cot(x^3+1)\right]=?$

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

**65.** $h(x)=\left[\ln\left(x\cdot e^{x^2}\right)+\frac{1}{2x-1}\right]^3 \Rightarrow h'(1)=?$

A) -8 B) 6 C) 12 D) 18 E) 27

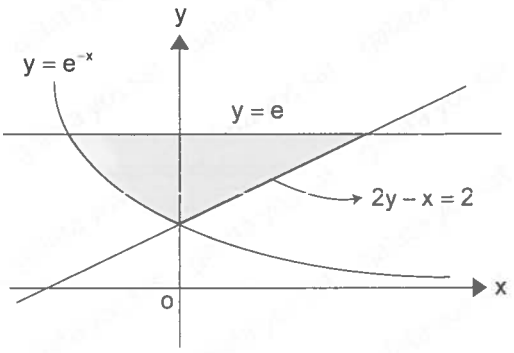
**66.** $f(x)=1-\sqrt{1+x} \Rightarrow \frac{d}{dx}f^{-1}(-1)=?$

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

**67.** $\int_{\frac{1}{\pi}}^{\frac{2}{\pi}} \frac{\sin\left(\frac{1}{x}\right)}{x^2}dx=?$

A) $-\pi$ B) 0 C) $\frac{\pi}{2}$ D) 1 E) -1

**68.**




Taralı alan / The shaded area=?

A) $8e-e^2$ B) $e^2-2e+2$ C) $20-6e$ D) $2e^2+4$ E) $e^2-4e+1$

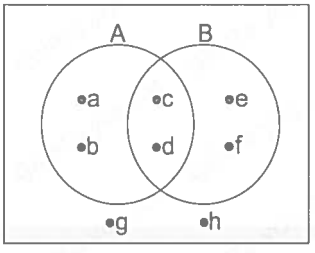
**69.** $\frac{3x^2-5xy+7y^2}{x^2-y^2}=3 \quad x\neq y$

$\frac{x+2y}{x-y}=?$

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



**70.**




$A'\cap B=?$

A) { g,h } B) { c,d } C) { a,b } D) { e,f } E) $\varnothing$

**71.** Esma 190 sayfalık bir kitabı okumaya başlıyor. Her gün bir öncekinin yarısı kadar kitap okuyan Esma, ilk gün 96 sayfa okuduğuna göre, bu kitap kaçıncı günde biter ?

**Esma begins to read a book with 190 pages. She reads each day as much as half of the previous day. If Esma reads 96 pages on her first day, in how many days does she complete the book?**

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

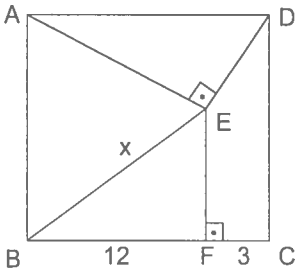
**72.** Mesut' un yaşı annesinin yaşının çeyreği kadardır. 4 sene sonra onun yaşı annesinin yaşının $\frac{1}{3}$' ne eşit olacaktır.
Buna göre, kaç sene sonra Mesut annesinin yarısı yaşta olacaktır ?

**The ratio of ages of Mesut and his mother is $\frac{1}{4}$. In 4 years, this ratio will become $\frac{1}{3}$. How many years is needed for Mesut to reach the only a half of the age of his mother ?**

A) 6 B) 8 C) 12 D) 16 E) 18

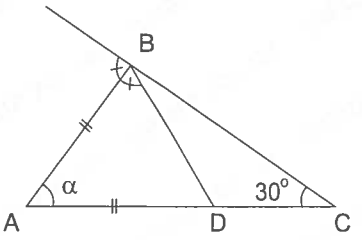


**73.** ABCD kare
**ABCD square**
$[AE] \perp [ED]$
$[EF] \perp [BC]$
$|BF| = 12$ cm
$|FC| = 3$ cm
$|BE| = x = ?$



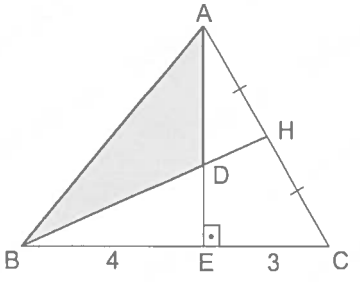

A) 13 B) 14 C) 15 D) 16 E) 17

**74.** $[AB]$ açıortay
**$[AB]$ bisector**
$|AB| = |AD|$
$m(\widehat{BCA}) = 30^\circ$
$m(\widehat{BAC}) = \alpha = ?$



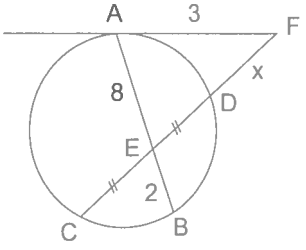

A) 20 B) 25 C) 30 D) 35 E) 40

**75.** $[AE] \perp [BC]$
$|AH| = |HC|$
$|BE| = 4$ cm
$|EC| = 3$ cm
$A(\widehat{ABD}) = 8$ cm$^2$
$A(\widehat{ABC}) = ?$




A) 32 B) 28 C) 24 D) 22 E) 16

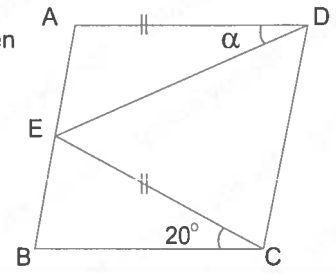
**76.** $|CE| = |ED|$
$|AE| = 8$ cm
$|EB| = 2$ cm
$|AF| = 3$ cm
$|DF| = x = ?$




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

**77.**

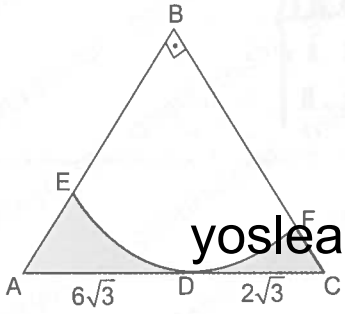
ABCD eşkenar dörtgen
**ABCD rhombus**
$|AD| = |EC|$
$m(\widehat{ECB}) = 20^\circ$
$m(\widehat{ADE}) = \alpha = ?$




A) 20 B) 25 C) 30 D) 35 E) 40

**78.**

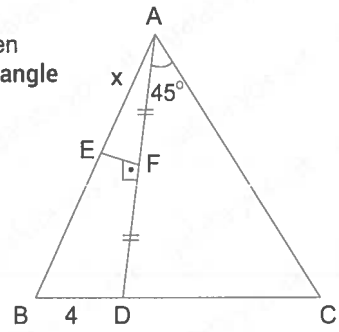
$[AB] \perp [BC]$
$|AD| = 6\sqrt{3}$ cm
$|DC| = 2\sqrt{3}$ cm
Taralı alan = ?
**Shaded area = ?**




A) $24\sqrt{3} - 9\pi$ B) $36\sqrt{3}$ C) $48\sqrt{3} - 9\pi$
D) $18\sqrt{3} + 6\pi$ E) $36\sqrt{3} + 6\pi$

**79.**

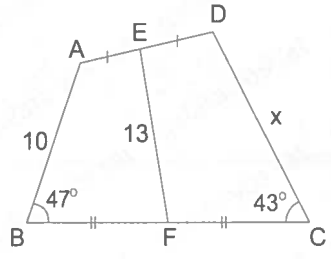
ABC eşkenar üçgen
**ABC equilateral triangle**
$[EF] \perp [AD]$
$|AF| = |FD|$
$m(\widehat{DAC}) = 45^\circ$
$|BD| = 4$ cm
$|AE| = x = ?$




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

**80.**

$|AE| = |ED|$
$|BF| = |FC|$
$m(\widehat{ABC}) = 47^\circ$
$m(\widehat{BCD}) = 43^\circ$
$|AB| = 10$ cm
$|EF| = 13$ cm
$|DC| = x = ?$




A) 15 B) 17 C) 18 D) 20 E) 24

# GDS 2

Adı
Name

Soyadı
Last name



GDS GENEL DENEME SINAVI
GENERAL TRİAL EXAMS

**1.** $14 \ \text{ϒ} \ 30 = 18$
$20 \ \text{ϒ} \ 26 = 20$
$36 \ \text{ϒ} \ 40 = 25$
$48 \ \text{ϒ} \ 37 = ?$

A) 28 B) 30 C) 32 D) 34 E) 36

**2.** I. $\triangle 3 \ 3 = 11$

II. $\square 4 \ 4 = 19$

III. $\pentagon 5 \ 5 = 29$

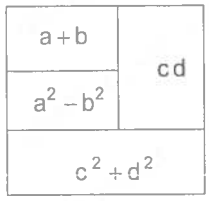
IV. $\hexagon 6 \ 6 = ?$

A) 37 B) 41 C) 45 D) 49 E) 52

**3.** $3^{a \square b} = \frac{1}{a} + \frac{1}{b}$

$\Rightarrow 90 \ \square \ 10 = ?$

A) 9 B) 4 C) 3 D) −1 E) −2




Yukarıdaki şekle göre 4.–5. soruları birbirinden bağımsız olarak cevaplayınız.

**Answer the questions 4.-5. independently according to the figure given above.**

**4.**

| | |
|---|---|
| 18 | |
| 144 | |
| | |

$\Rightarrow a^2 + b^2 = ?$

A) 169 B) 185 C) 188 D) 194 E) 196



**5.**

| | |
|---|---|
| | 7 |
| | |
| 22 | |

$\Rightarrow c^3 + d^3 = ?$

A) 90 B) 128 C) 133 D) 189 E) 224

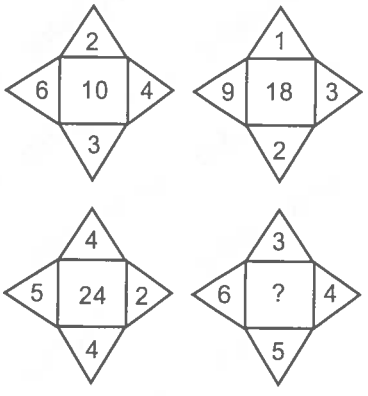
**6.** $\boxed{x}_{a}^{b} = x+(x+a)+(x+2a)+\cdots\cdots\cdots+(x+b\cdot a)$

$\boxed{2}_{5}^{3} = 38$

$\boxed{4}_{10}^{16} - \boxed{34}_{10}^{12} = ?$

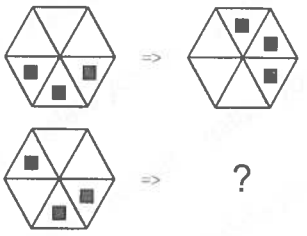
A) 240 B) 233 C) 212 D) 206 E) 184

**7.**



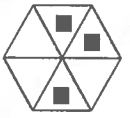

A) 30 B) 28 C) 25 D) 20 E) 16

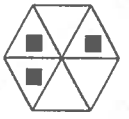
**8.**

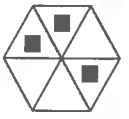



A) 

B) 

C) 

D) 

E) 

**9.**

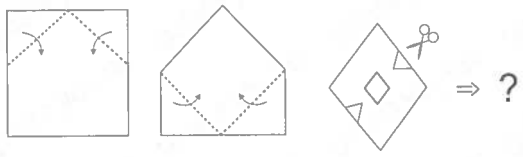
 → 2, 1, 2, 3

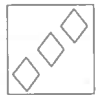
 → 1, 2, 3, 2

 → ?

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

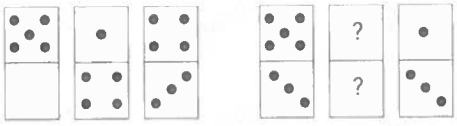
**10.**

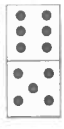


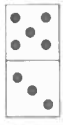
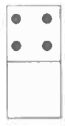
A) 
B) 
C) 

D) 
E) 

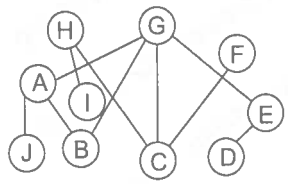
**11.**



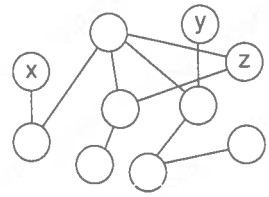
A) 
B) 
C) 

D) 
E) 

**12.**



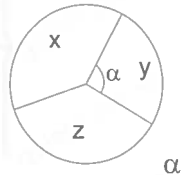
Şekil I



Şekil II

| | x | y | z |
|---|---|---|---|
| A) | D | F | B |
| B) | B | D | F |
| C) | I | H | B |
| D) | D | H | A |
| E) | I | F | A |

**13.**



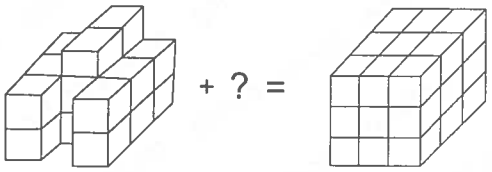
$x = 2y$

$3y = 2z$

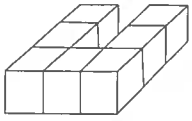
$\alpha = ?$

A) 40 B) 60 C) 80 D) 90 E) 120

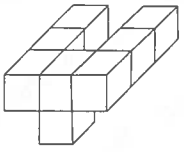
**14.**



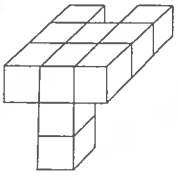
A)



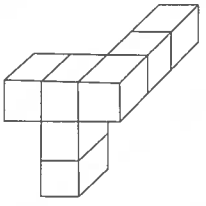
B)



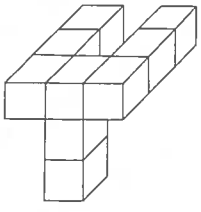
C)



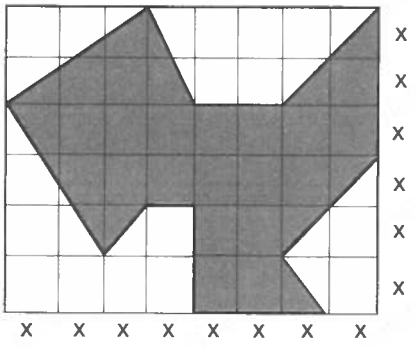
D)



E)



**16.**




Taralı alan = ? $x^2$

**Shaded area = ? $x^2$**

A) 23 B) 24 C) 25 D) 26 E) 27

**17.** Aşağıdakilerden hangisi diğerlerinden farklıdır ?

**Which one of the following is different ?**

A)

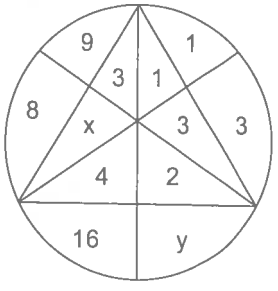
B)

C)

D)

E)

**15.**

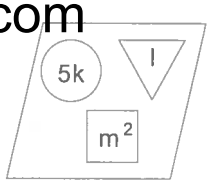



x + y = ?

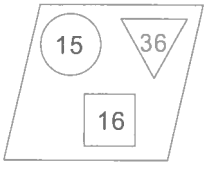
A) 10 B) 12 C) 15 D) 18 E) 20



**18.**




$= \sqrt{(k^2 + 2^m) \cdot l}$




= ?

A) 32 B) 30 C) 25 D) 18 E) 12