TASARI AKADEMİ YAYINLARI

YABANCI UYRUKLU ÖĞRENCİ SINAVI
TEMEL ÖĞRENME BECERİLERİ TESTİ

THE ENTRANCE EXAMINATION FOR FOREIGN STUDENTS
THE BASIC LEARNING SKILLS TEST

İNTERNET DENEME SINAVI - 2

ADAYIN / APPLICANT'S : .....

ADI / NAME : .....

SOYADI / SURNAME : .....

SINAV SALON NO / EXAMINATION ROOM NO : .....

Adınızı, soyadınızı, yabancı uyruk ve sınav salon numaralarınızı yukarıya yazınız.
Write your name, surname, foreign resident and examination room numbers in the appropriate places above.

GENEL AÇIKLAMA
(GENERAL INSTRUCTIONS)

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

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

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

IV. Cevap kâğıdınızı buruşturmayınız, katlamayınız ve üzerine gereksiz hiçbir işaret koymayınız.

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

VI. Bu testler puanlanırken, doğru cevaplarınızın sayısından yanlış cevaplarınızın sayısının dörtte biri düşülecek ve kalan sayı ham puanınız olacaktır. Bu nedenle, hakkında hiçbir fikriniz olmayan soruları boş bırakınız. Ancak soruda verilen seçeneklerden birkaçını eleyebiliyorsanız, kalanlar arasından doğru cevabı kestirmeye çalışmanız yararınıza olabilir.

VII. Sınavda uyulacak diğer kurallar bu kitapçığın arka kapağında belirtilmiştir.

I. The instructions for answering the questions appear at the beginning of the tests. Please read these carefully before beginning.

II. In these tests there is only one correct answer for each question. If more than one alternative is marked, that answer will automatically be considered wrong.

III. You should use a soft, black pencil to mark the answer sheet. Completely fill in the circle for the answer you have chosen, but make sure your mark does not go beyond the borders of the circle. Do not use any kind of pen.

IV. Keep the answer sheet flat and do not fold it. Do not make any unnecessary marks on it.

V. If you wish to change an answer, carefully erase it completely with a very soft eraser. Do not forget to mark your new answer.

VI. In the scoring of the tests, for every four incorrect answers, one correct answer will be deducted; the remainder will be the raw score. With this in mind, do not guess at the answers. However, in cases where you are sure that certain alternatives can be eliminated, you may want to choose what seems the likeliest of the remainders.

VII. The other regulations concerning the administration of the tests will be found at the back of the booklet.

Bu testlerin her hakkı saklıdır. Hangi amaçla olursa olsun, testlerin tamamının veya bir kısmının Merkezimizin yazılı izni olmadan kopya edilmesi, fotografının 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.

I	II
2 5 2 7	▲★□△
7 2 8 6	●★▲★
6 5 6 7	□★□★
5 2 7 2	★●★▲
8 2 8 2	△●△▲

2 7 6 5 8 = ?

A) ★△▲□● B) ●□★△▲

C) ●▲★△□ D) ★▲△●□

E) ★●□▲△

2. 4 8 12 20 32 52 ?

Yukarıdaki sayı dizisinin sonuna hangi sayı gelmelidir?

Which of the following continues the number seguence above?

A) 84 B) 80 C) 76 D) 74 E) 68

3.

1	4	9	16	25	36	**A**
7	8	10	13	17	22	**B**

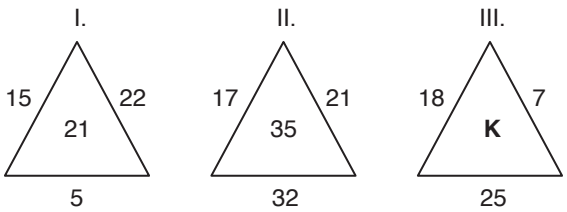
A = ? B = ?

Yukarıdaki şekilde A ve B'nin yerine hangi sayılar gelmelidir?

Which numbers do A and B stand for in the figure above?

	A	B
A)	48	29
B)	49	29
C)	48	28
D)	49	28
E)	49	27

4.



K = ?

I. ve II. şekilde belirlenen kurala göre, III. şekildeki K yerine hangi sayı gelmelidir?

Given the relationship established in I. and II. which number do K stand for in III. ?

A) 22 B) 25 C) 27 D) 30 E) 33

TASARI AKADEMİ YAYINLARI

Diğer Sayfaya Geçiniz.

5. I. 2 ● 4 = 24
II. 3 ● 5 = 40
III. 7 ● 1 = 8
IV. 6 ● 8 = ?

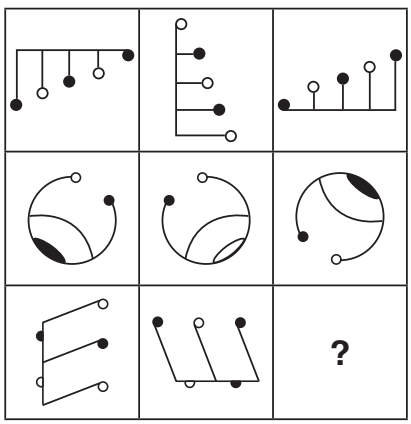
Yukarıdaki ilk üç eşitlik ● işaretinin görevlerini belirlemektedir.

Buna göre dördüncü eşitlikteki soru işaretinin yerine ne gelmelidir?

İn the equations above, the function of ● is unchanged. What is the solution to the fourth equation?

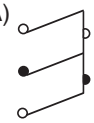
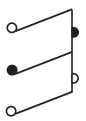
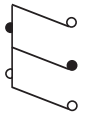
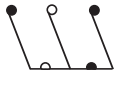
A) 64 B) 78 C) 112 D) 116 E) 124

6.

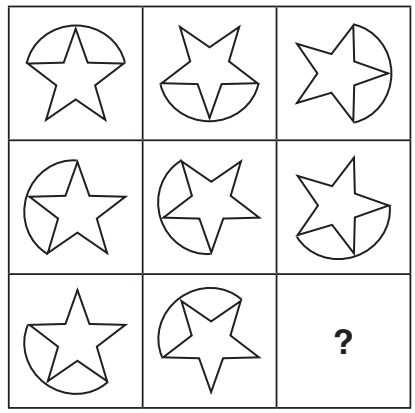


Yukarıda verilen şekil matrisinde soru işaretinin yerine hangi şekil gelmelidir?

Which figure does the question mark stand for in the figure matrix above?

A) 
B) 
C) 
D)
E) 

7.



A)
B)
C)
D)
E)

8.

I.	4	5	7	10	14	19
II.	20	15	11	8	6	5
III.	20	25	29	32	34	35
IV.	**?**					

A)	11	10	8	5	1	–3
B)	2	7	3	7	2	8
C)	1	2	5	8	11	13
D)	23	22	20	17	13	8
E)	22	23	25	28	32	37

TASARI AKADEMİ YAYINLARI

9.

$$\begin{array}{r} 5K \\ \times\ LM \\ \hline \bullet 7 \\ +\ \bullet\bullet 5 \\ \hline NR07 \end{array} \Rightarrow \mathbf{N + R = ?}$$

A) 7 B) 8 C) 9 D) 10 E) 11

10. I. $a \otimes b = \frac{a^2.b}{b-a}$

II. $3 \otimes 4 = 36$

III. $\frac{1}{a} \otimes \frac{2b}{a} = ?$

Yukarıdaki ilk iki eşitlik ⊗ işaretinin görevini belirlemektedir. Buna göre üçüncü eşitlikte soru işareti yerine kaç gelmelidir?

In the equations above, the functions of ⊗ is unchanged. What is the solution of the third eguation?

A) $\frac{2ab}{a^2(2b-1)}$ B) $\frac{2ba^2}{2b-1}$ C) $\frac{2ab}{a^3(2b-1)}$

D) $\frac{(2b)^2}{2ba^3-a^3}$ E) $\frac{2b}{2a^3b-b^2}$

11. I. $12 \square 4 = 12$

II. $36 \square 15 = 54$

III. $83 \square 12 = ?$

Yukarıdaki ilk üç eşitlik □ işaretinin görevini belirlemektedir.

Buna göre üçüncü eşitlikte soru işareti yerine kaç gelmelidir?

İn the equations above, the function of □ is unchanged. What is the solution of the third equation?

A) 144 B) 132 C) 95 D) 33 E) 3

12.

3	9	1	4
5	4	2	6
5	7	3	2
7	2	4	**?**

Yukarıdaki tabloda soru işareti yerine hangi sayı gelmelidir?

Which number does question mark stand for in the table above?

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

13.

I. → 12

II. → 48

III. → ?

I. ve II. satırlarda belirlenen ilişkiye göre III. satırı aşağıdakilerden hangisi tamamlar?

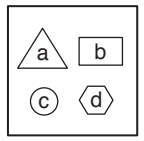
Which of the numbers below completes III, in accordance with the relationship established I and II ?

A) 1 B) 2 C) 6 D) 12 E) 72

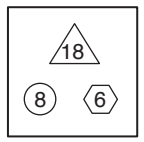
TASARI AKADEMİ YAYINLARI

Diğer Sayfaya Geçiniz.

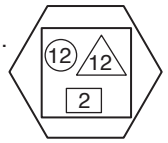
14.

I. 

$\rightarrow \frac{a}{3} + 4b + \frac{c}{2} + 2d$

II. 

$\rightarrow 22$

III. 

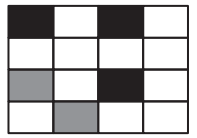
$\rightarrow ?$

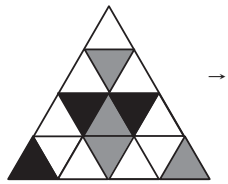
I. ve II. satırlarda belirlenen ilişkiye göre III. satırı aşağıdakilerden hangisi tamamlar?

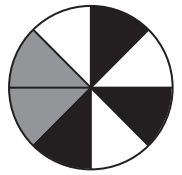
Which of the numbers below completes III, in accordance with the relationship established I and II ?

A) 18 B) 24 C) 32 D) 36 E) 48

15.

I. 
$\rightarrow \frac{11^2 - 3^3 + 2^2}{16 - (11 + 2 - 3)} = \frac{49}{3}$

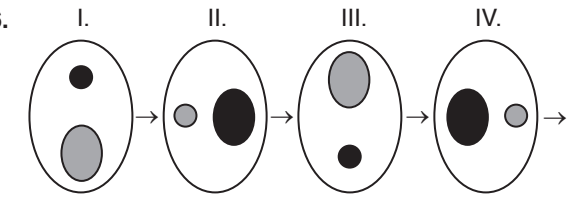
II. 
$\rightarrow \frac{35}{3}$

III. 
$\rightarrow ?$

I. ve II. satırlarda belirlenen ilişkiye göre, III. satırı aşağıdakilerden hangisi tamamlar?

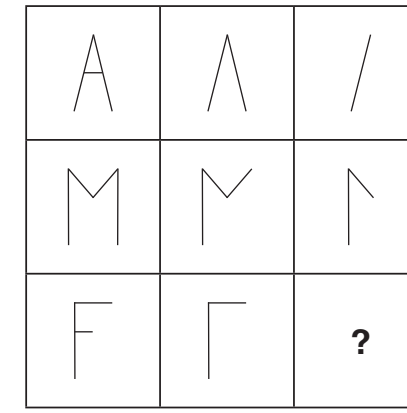
Which of the numbers below completes III, in accordance with the relationship established in I and II?

A) $\frac{-7}{3}$ B) $\frac{-14}{9}$ C) $\frac{1}{2}$ D) 1 E) $\frac{7}{3}$

16. 

A) B) C)

D) E)

17. 

A) B) C)

D) E)

TASARI AKADEMİ YAYINLARI

18.

+	a	b	c
a		4b−1	
b			a−2
c	4b		

c = ?

Yukarıdaki toplama tablosunda a, b, c harfleri pozitif birer sayının yerine kullanılmıştır.

Buna göre c kaçtır?

İn the summation table above, the letters a, b and c each stand for a positive number. Accordingly, what is the value of c?

A) 3 B) 4 C) 5 D) 8 E) 11

19.

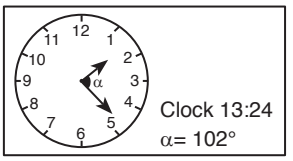
I. II. III. IV.

M → N → V → **?**

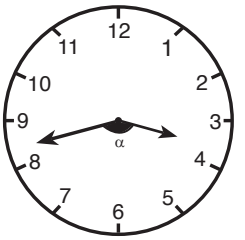
A) B) C) D) E)

ÖRNEK:

EXAMPLE:



20.

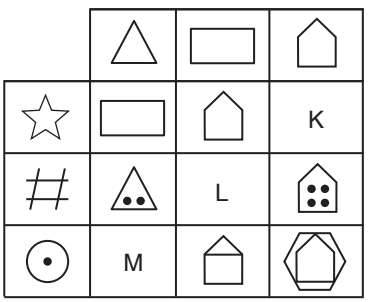


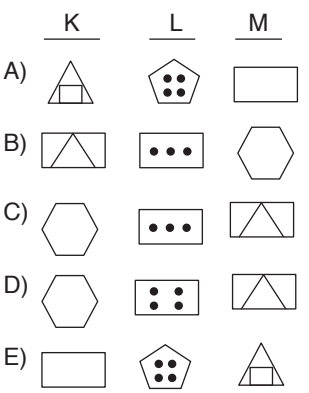
clock = 15:42

α = ?

A) 139 B) 141 C) 157 D) 185 E) 219

21.

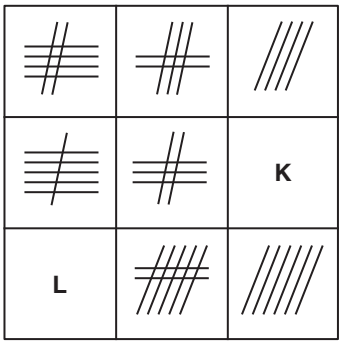


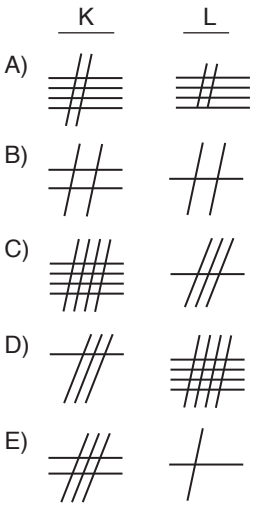


TASARI AKADEMİ YAYINLARI

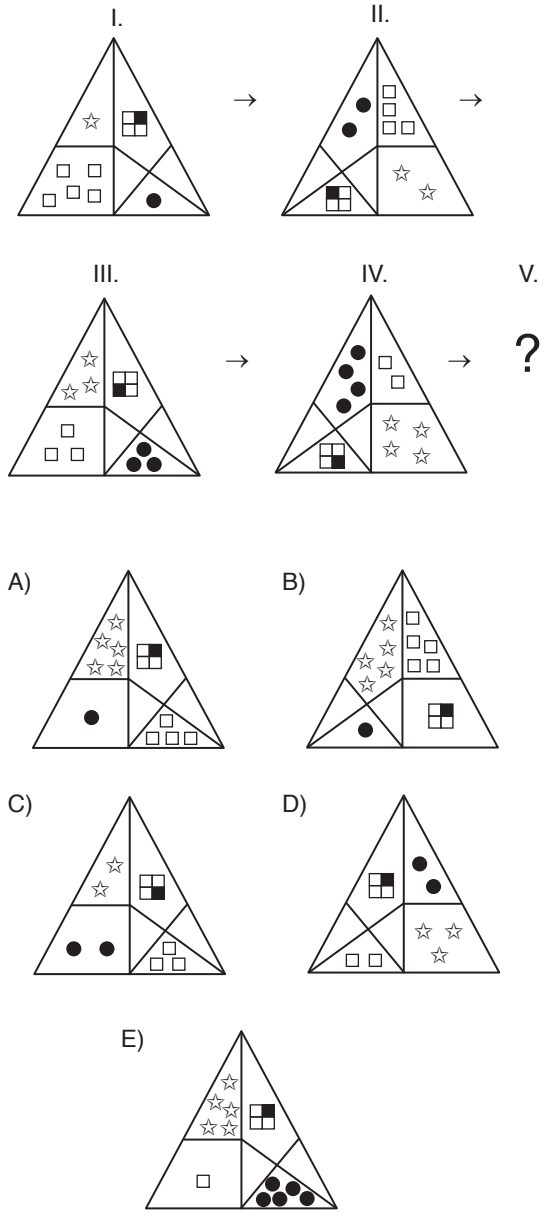
Diğer Sayfaya Geçiniz.

22.



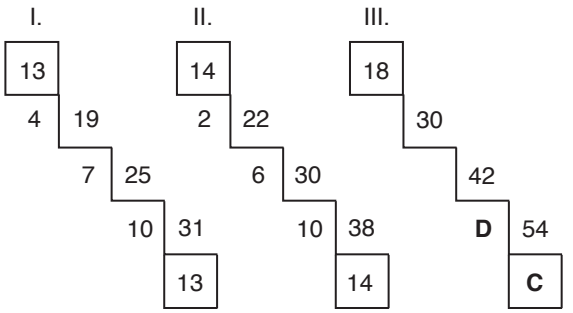


23.



TASARI AKADEMİ YAYINLARI

24.



C.D = ?

I. ve II. satırlarda belirlenen ilişkiye göre III. satırı aşağıdakilerden hangisi tamamlar?

Which of the numbers below completes III, in accordance with the relationship established in I and II?

A) 108 B) 180 C) 216 D) 244 E) 252

25.

⊗	2	3	4	5
3	6	0	3	6
4	8	3	**K**	2
5	1	6	2	7
6	3	**L**	6	**M**

Yukarıdaki tablo ⊗ işlemine göre düzenlenmiştir. **Buna göre, K, L ve M'nin yerine ne gelmelidir?**

The table above is organized according to the ⊗ operation. Which of the following do K, L and M stand for?

	K	L	B
A)	5	0	3
B)	2	4	8
C)	7	0	3
D)	3	8	7
E)	6	5	4

26.

+	a	b	c
a		2.c	
b			22
c	30		

c = ?

Yukarıdaki toplama tablosunda a, b, c harfleri pozitif birer sayının yerine kullanılmıştır.

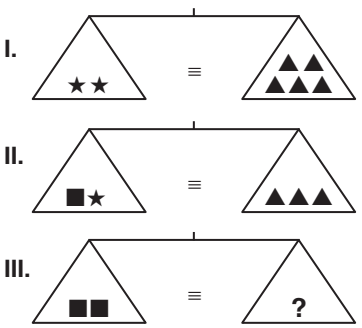
Buna göre c kaçtır?

İn the summation table above, the letters a, b and c each stand for a positive number. Accordingly, what is the value of c?

A) 7 B) 9 C) 13 D) 17 E) 19

TASARI AKADEMİ YAYINLARI

27.



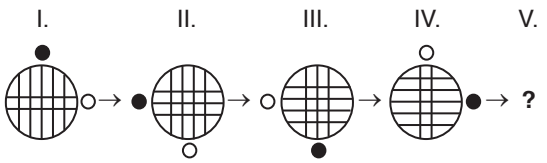
Yukarıdaki terazilerin üçü de dengede olduğuna göre, III. terazide soru işaretinin yerine aşağıdakilerden hangisi getirilebilir?

Scales above are in balance. Accordingly, which of the following does the question mark stand for in the third scale?

A) ★ B) ▲ C) ▲★★ D) ★★ E) ▲▲★

Diğer Sayfaya Geçiniz.

28.



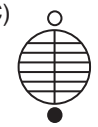
Yukarıda verilen şekil dizisinde soru işaretinin yerine getirilmesi gereken şekli bulunuz.

Find the figure which the question mark stand for in the sequence given?

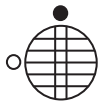
A)

B)

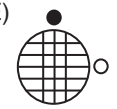
C)



D)



E)



29.

+	a	b	c
a			
b			28
c			

x	a	b	c
a		108	
b			
c	144		

a = ?

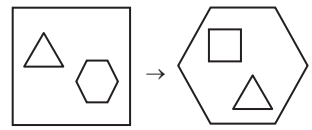
Yukarıdaki toplama ve çarpma tablolarında a, b, c harfleri pozitif birer sayının yerine kullanılmıştır.

Buna göre a kaçtır?

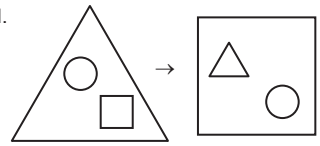
İn the multiplication and summation tables above, the letters a, b and c each stand for a positive number. Accordingly, what is the value of a?

A) 4 B) 7 C) 9 D) 12 E) 16

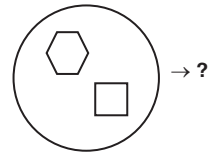
30. I.



II.



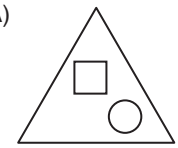
III.



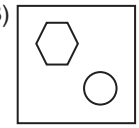
I. ve II. satırlarda belirlenen ilişkiye göre, III. satırı aşağıdakilerden hangisi tamamlar?

Which of the numbers below completes III, in accordance with the relationship established in I and II?

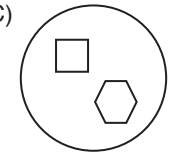
A)



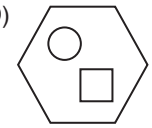
B)



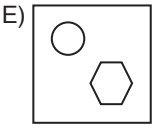
C)



D)

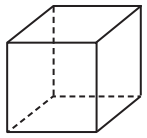


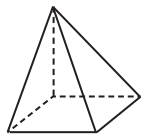
E)

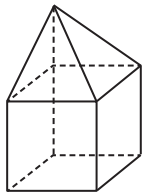


TASARI AKADEMİ YAYINLARI

31.

I.  → 6★

II.  → ★,4●

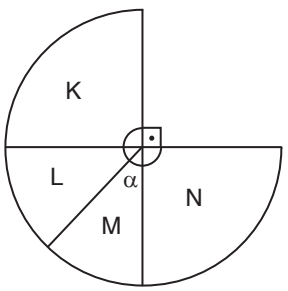
III.  → ?

I. ve II. satırlarda belirlenen ilişkiye göre, III. satırı aşağıdakilerden hangisi tamamlar?

Which of the numbers below completes III, in accordance with the relationship established in I and II?

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

32.



$K = \frac{2}{9}$

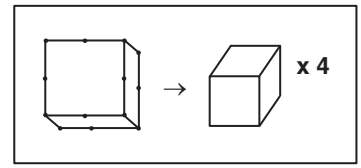
$L = \frac{1}{9}$

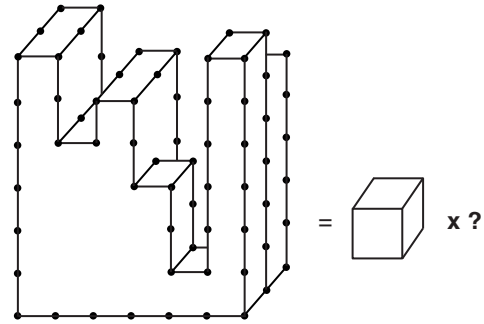
$2M - N = 30°$

α = ?

A) 60 B) 90 C) 105 D) 110 E) 120

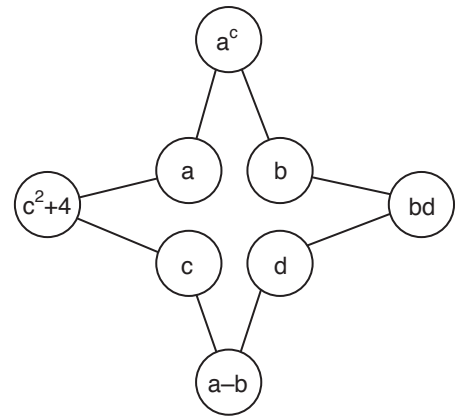
33. ÖRNEK/ EXAMPLE

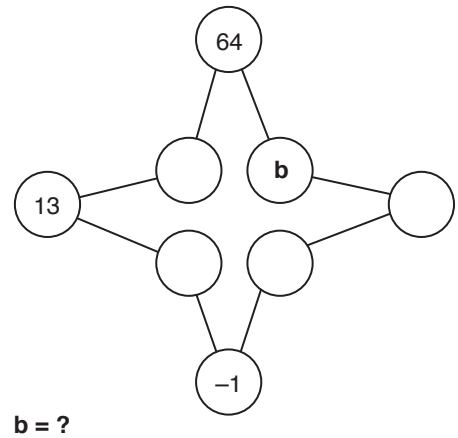




A) 44 B) 45 C) 46 D) 47 E) 48

34. ÖRNEK / EXAMPLE





b = ?

Yukarıda verilen şekillere göre b kaçtır?

According to the figures above, what is b?

A) 1 B) 7 C) 3 D) 4 E) 5

TASARI AKADEMİ YAYINLARI

Diğer Sayfaya Geçiniz.

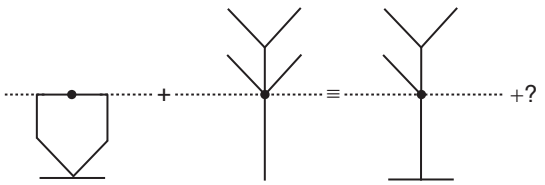
35.

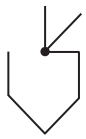
#	●	♡	★	△	▲	☒	■
●	★	△	▲	☒	■	●	♡
♡	♡	★	△	▲	☒	■	●
★	●	♡	★	△	▲	☒	■
△	■	●	♡	★	△	▲	☒
▲	☒	■	●	♡	★	△	▲
☒	▲	☒	■	●	♡	★	△
■	△	▲	☒	■	●	♡	★

[(△# ♡) # ●] # (☒# ☒) = ?

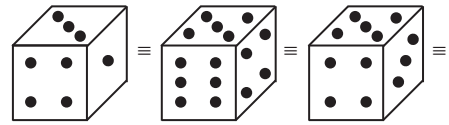
A) ♡ B) ☒ C) ★ D) ■ E) ▲

36.



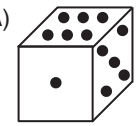
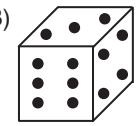
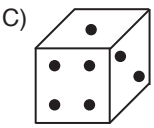
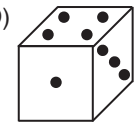
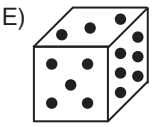
A)
B) 
C)
D)
E)

37.

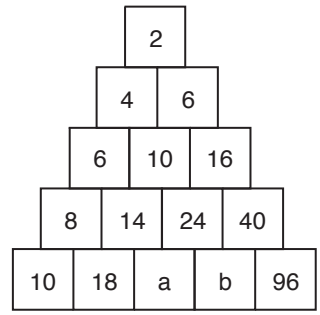


Yukarıdaki şekillerin tümü aynı nesneyi göstermektedir. **Aşağıdakilerden hangisi bu nesnenin başka bir görünümüdür?**

The figures above represent the same object. Which of the following is another view of the object?

A) 
B) 
C) 
D) 
E) 

38.



a = ? b = ?

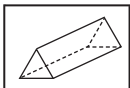
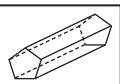
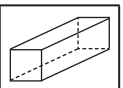
Yukarıdaki şekilde a ve b nin yerine hangi sayılar gelmelidir?

Which numbers do a and b stand for in the figure above?

	a	b
A)	38	62
B)	32	66
C)	28	42
D)	32	56
E)	22	46

TASARI AKADEMİ YAYINLARI

39.

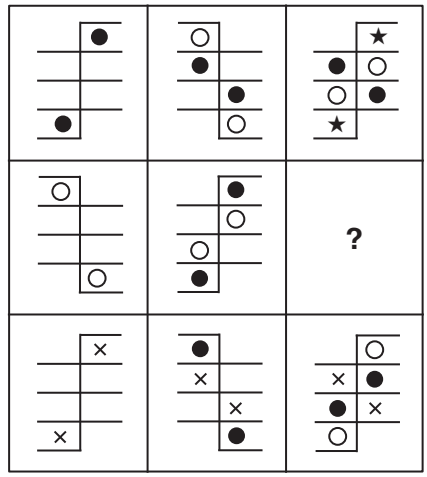
			
I.	2	0	0
II.	3	5	4
III.	0	2	0
IV.	0	0	2

Yukarıdaki tabloda I.şekil △ gösterdiğine göre II, III ve IV hangi şekilleri göstermektedir?

The table above is organized according to the operation I stands for △. Which figures do II, III and IV stand for?

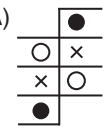
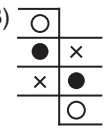
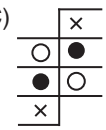
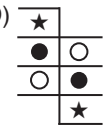
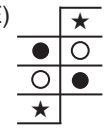
	II.	III.	IV.
A)	▭	⬠	□
B)	⬠	▭	□
C)	▭	□	⬠
D)	□	▭	⬠
E)	⬠	△	▭

40.



Yukarıdaki şekil matrisinde soru işaretinin yerine hangi şekil gelmelidir?

Which figure does the question mark stand for in the figure matrix above?

A) 
B) 
C) 
D) 
E) 

41. $\dfrac{\frac{1}{2}-\frac{1}{3\frac{1}{2}}}{1\frac{1}{2}:3\frac{1}{2}} = ?$

A) $\frac{1}{2}$ B) $\frac{7}{8}$ C) $\frac{7}{9}$ D) 3 E) $\frac{8}{7}$

TASARI AKADEMİ YAYINLARI

Diğer Sayfaya Geçiniz.

42. $a, b \in Z^+$

$\mathbf{5a + 2b = 123 \Rightarrow min(b) = ?}$

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

43. $x = 1{,}525252...$

$y = 0{,}252525...$

$\mathbf{\frac{x+1}{y} = ?}$

A) 5 B) 7 C) 10 D) $\frac{151}{99}$ E) $\frac{152}{25}$

44. $\begin{array}{r|l} 252 & x \\ \hline - & y \\ \hline y & \end{array}$ $\begin{array}{r|l} x & y \\ \hline - & 6 \\ \hline 5 & \end{array}$

$\Rightarrow \mathbf{x + y = ?}$

A) 51 B) 47 C) 40 D) 37 E) 35

45. $\frac{a}{x} = \frac{b}{y} = \frac{c}{z} = 3$

$3a - b + 3c = 81$

$x + z = 2 \Rightarrow \mathbf{y = ?}$

A) –21 B) –14 C) 14 D) 21 E) 27

46. $\mathbf{\sqrt[a]{32^{a+4}} = 8^5 \Rightarrow a = ?}$

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

47. $\mathbf{\frac{3-\sqrt{3}}{\sqrt{4-\sqrt{12}}} = ?}$

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

TASARI AKADEMİ YAYINLARI

48. **a, b, c ∈ Z⁺**

3a + 2 = 5b + 4 = 7c + 6

min(a + b + c) = ?

A) 34 B) 54 C) 68 D) 71 E) 78

49. a, b ∈ R

–3 < a < 5

1 < b < 8

max(–2a + 3b) + min(–2a + 3b) = ?

A) 19 B) 20 C) 21 D) 22 E) 23

50. $3^x - 2^{-x} = \frac{215}{2^x} \Rightarrow 2^x = ?$

A) 2 B) 4 C) 8 D) 16 E) 32

51. $\frac{(0,2)^4 . (0,02)^3}{8.10^{-10}} = ?$

A) 2 B) 4 C) 8 D) 12 E) 16

52. $\frac{2+\frac{3}{x}}{1-\frac{2}{x}} = \frac{9}{2-x} \Rightarrow x = ?$

A) –6 B) –4 C) –3 D) 3 E) 6

53. a, b, c ∈ Z

a.c = 12

b.c = –16

⇒ **min(a + b + c) = ?**

A) –7 B) –4 C) –3 D) 3 E) 4

TASARI AKADEMİ YAYINLARI

Diğer Sayfaya Geçiniz.

54. $x+\frac{1}{x-3}=11 \Rightarrow (x-3)^2+\frac{1}{(x-3)^2}=?$

A) 60 B) 62 C) 64 D) 72 E) 78

55. $-6 < |4x-2| \le 2$

ÇK = ?

A) $0 \le x \le 1$ B) $-1 < x \le 1$ C) $0 \le x < 2$
D) $1 \le x < 2$ E) $-1 < x \le 2$

56. $2018^{2018} \equiv x(\text{mod}5)$

$\Rightarrow$ **x = ?**

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

57. **f(x + 1) = 2x + 5**

g(x – 1) = 3x + 4 $\Rightarrow$ fog(2) = ?

A) 30 B) 29 C) 28 D) 27 E) 25

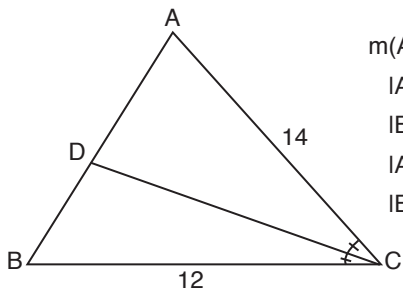
58. $a \ast b = a + b - 1$

$a \Delta b = 2a \ast b$

$(2 \Delta b) \ast (b \Delta 1) = 5 \Rightarrow b = ?$

A) –2 B) –1 C) 1 D) 2 E) 7

59.



$m(\widehat{ACD}) = m(\widehat{DCB})$

|AC| = 14 cm

|BC| = 12 cm

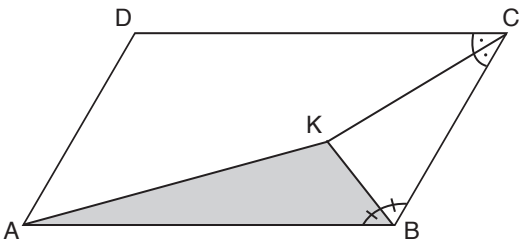
|AB| = 13 cm

|BD| = ?

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

TASARI AKADEMİ YAYINLARI

60.



ABCD paralelkenar,
A(AKB) = 8 br^2
A(ABCD) = ? br^2

A) 16 B) 20 C) 24 D) 28 E) 32

61. $f(x) = 2x^2 - 8x + m - 2$, $f(x_1) = f(x_2) = 0$
$2x_1 = x_2 + 2 \Rightarrow$ m = ?

A) 4 B) 6 C) 8 D) 10 E) 12

62. $\left(\frac{1}{2}\right)^{x^2} < 2^{10-7x}$

$\Rightarrow$ ÇK(SS) = ?

A) (2,5) B) [2,5] C) R – (2,5)
D) R E) R – [2,5]

63.

P(x)	$(x-1)^2$
$2x-4$	

P(x)	$x-1$
k	

$\Rightarrow$ k = ?

A) –4 B) –2 C) –1 D) 0 E) 2

64. $x = \frac{\pi}{22}$

$\Rightarrow \frac{\cos 2x - \cos 10x}{\cos 5x . \sin 4x} = ?$

A) 1 B) 2 C) 4 D) 5 E) 8

65. $\sum_{k=2}^{8} \binom{9}{k} = ?$

A) 386 B) 472 C) 486 D) 501 E) 512

TASARI AKADEMİ YAYINLARI

Diğer Sayfaya Geçiniz.

66. $\text{Arcsin}\frac{4}{5} = \alpha$

$\Rightarrow \mathbf{\frac{\sin\alpha + \cos\alpha}{\tan\alpha} = ?}$

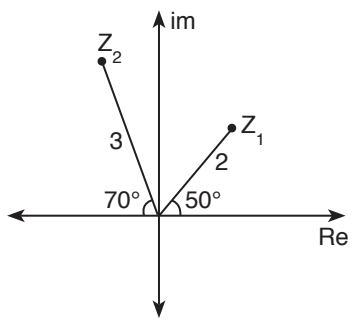
A) $\frac{7}{20}$ B) $\frac{20}{21}$ C) $\frac{21}{20}$ D) $\frac{11}{10}$ E) $\frac{23}{20}$

67. $z.\bar{z} + |z| - 20 = 0$

$\Rightarrow \mathbf{|z| = ?}$

A) 1 B) 2 C) 3 D) 4 E) 10

68.



$\Rightarrow \mathbf{z_1.z_2^{-1} = ?}$

A) $2 - \sqrt{3}i$ B) $\frac{2}{3} - \frac{\sqrt{3}}{3}i$ C) $\frac{2}{3} - \sqrt{3}i$

D) $\frac{1}{3} - \frac{\sqrt{3}}{3}i$ E) $1 - \frac{\sqrt{3}}{3}i$

69. $x = \log_2 7$

$y = \log_3 8$

$z = \log_4 3$

$\Rightarrow \mathbf{? < ? < ?}$

A) $z < y < x$ B) $y < z < x$ C) $y < x < z$

D) $z < x < y$ E) $x < y < z$

70. $\mathbf{\frac{4}{\log_x xy} + \frac{4}{\log_y xy} - 3 = ?}$

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

71. $\mathbf{\lim_{x\to 3} \frac{2x-6}{\sqrt{x} - \sqrt{3}} = ?}$

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

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72. $\lim\limits_{x\to\infty} \dfrac{3^{\frac{1}{x}}-1}{2^{\frac{1}{x}}+1} = ?$

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

73. $A = [a_{ij}]_{3x3}$, $\det(A) = 10$

$\Rightarrow$ **det(2A) = ?**

A) 8 B) 20 C) 40 D) 60 E) 80

74. $A = \begin{bmatrix} 2 & 3 & 4 \\ \cdot & \cdot & \cdot \\ \cdot & \cdot & \cdot \end{bmatrix}$, $A^{-1}\begin{bmatrix} 6 & \cdot & \cdot \\ 2 & \cdot & \cdot \\ x & \cdot & \cdot \end{bmatrix}$

$\Rightarrow$ **x = ?**

A) $\frac{15}{4}$ B) $\frac{17}{4}$ C) $-\frac{15}{4}$ D) $-\frac{17}{4}$ E) -4

75. $y = \sqrt{1+\ln x} + \ln(\sqrt{1+x})$

$\Rightarrow \left.\dfrac{dy}{dx}\right|_{x=1} = ?$

A) $\frac{1}{4}$ B) $\frac{1}{2}$ C) $\frac{3}{4}$ D) 1 E) $\frac{5}{4}$

76. $\lim\limits_{x\to 0} \dfrac{\tan x}{3x.\cos\left(\frac{2x}{3}\right)} = ?$

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

77. $x = 4e^{t} + 3e^{2t}$

$y = 3e^{t} - 2.e^{-2t}$

$\Rightarrow \left.\dfrac{dy}{dx}\right|_{t=0} = ?$

A) $\frac{3}{7}$ B) $\frac{1}{7}$ C) $\frac{7}{3}$ D) $\frac{7}{6}$ E) $\frac{7}{10}$

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78. $f(x) = \sqrt{2x-1}$, $g(x) = x^2 + 1$

$\Rightarrow$ **$(gof)^{'}(1)$ = ?**

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

79. $\int \frac{dx}{1+\cos 2x} =$ **?**

A) tanx + c B) tan $\frac{x}{2}$ + c C) tan2x + c

D) $\frac{1}{2}$ tanx + c E) $\frac{1}{2}$ cotx + c

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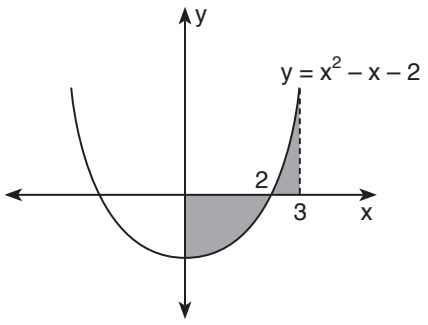
80.



A) $\frac{13}{3}$ B) $\frac{14}{3}$ C) $\frac{29}{6}$ D) $\frac{31}{6}$ E) 5

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CEVAP ANAHTARI

CEVAP ANAHTARI							
1	D	26	C	51	E	76	B
2	A	27	B	52	A	77	E
3	D	28	A	53	C	78	B
4	B	29	C	54	B	79	D
5	C	30	E	55	A	80	D
6	A	31	A	56	E		
7	C	32	A	57	B		
8	D	33	B	58	C		
9	E	34	E	59	C		
10	C	35	C	60	E		
11	D	36	E	61	D		
12	D	37	D	62	E		
13	B	38	D	63	B		
14	D	39	A	64	B		
15	A	40	D	65	D		
16	B	41	A	66	C		
17	A	42	D	67	D		
18	C	43	C	68	D		
19	E	44	B	69	A		
20	B	45	A	70	B		
21	C	46	B	71	E		
22	D	47	A	72	A		
23	E	48	C	73	E		
24	C	49	E	74	D		
25	C	50	C	75	D		