

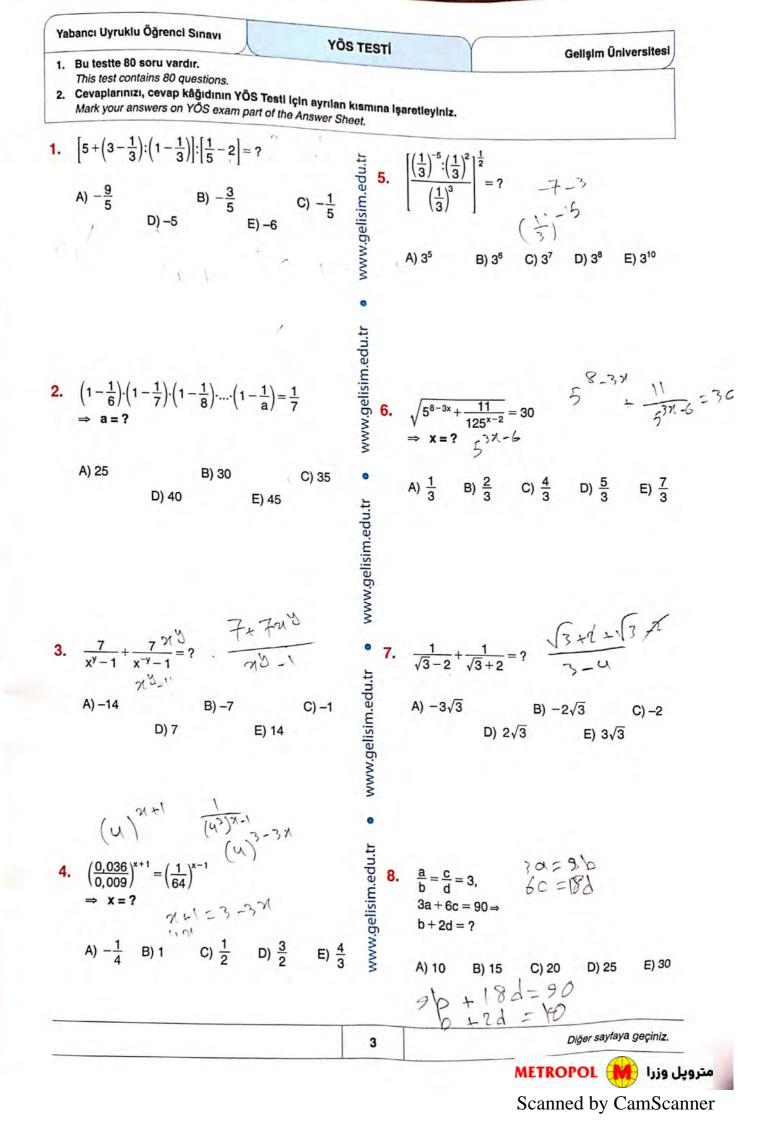
سؤالات آزمون يوس



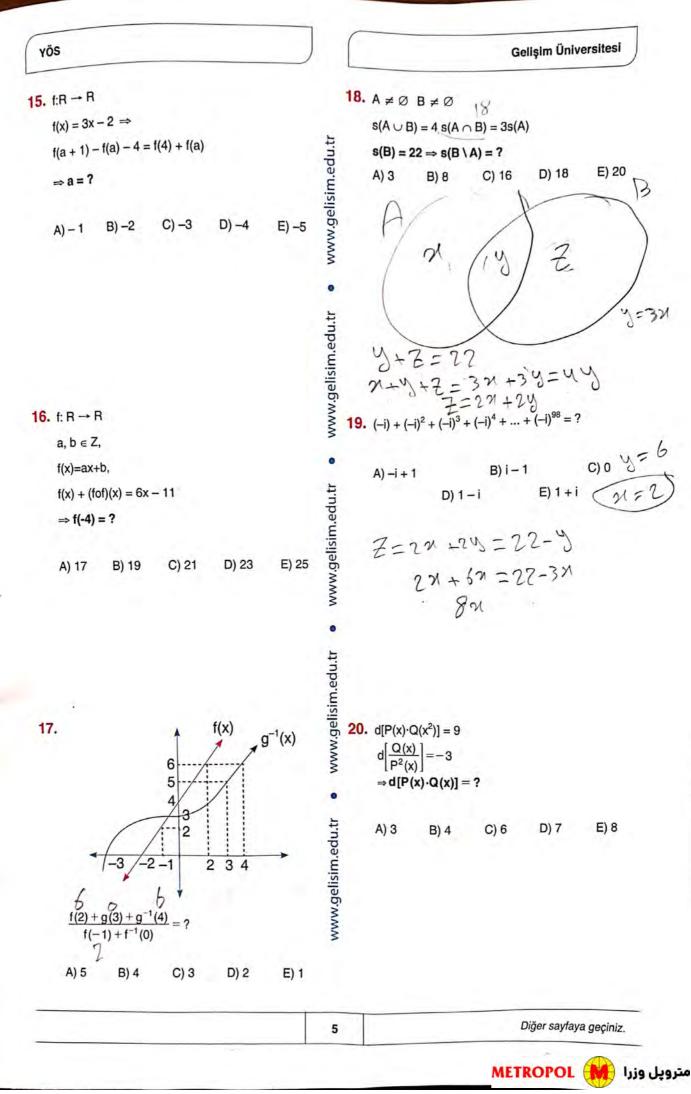


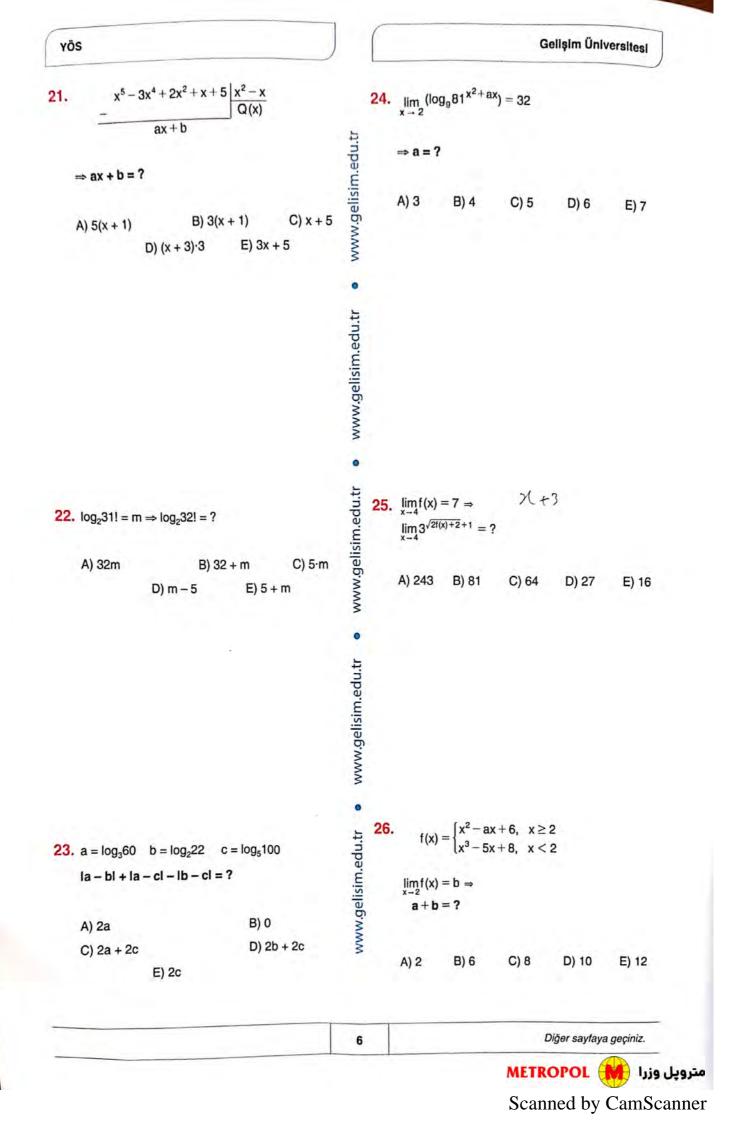


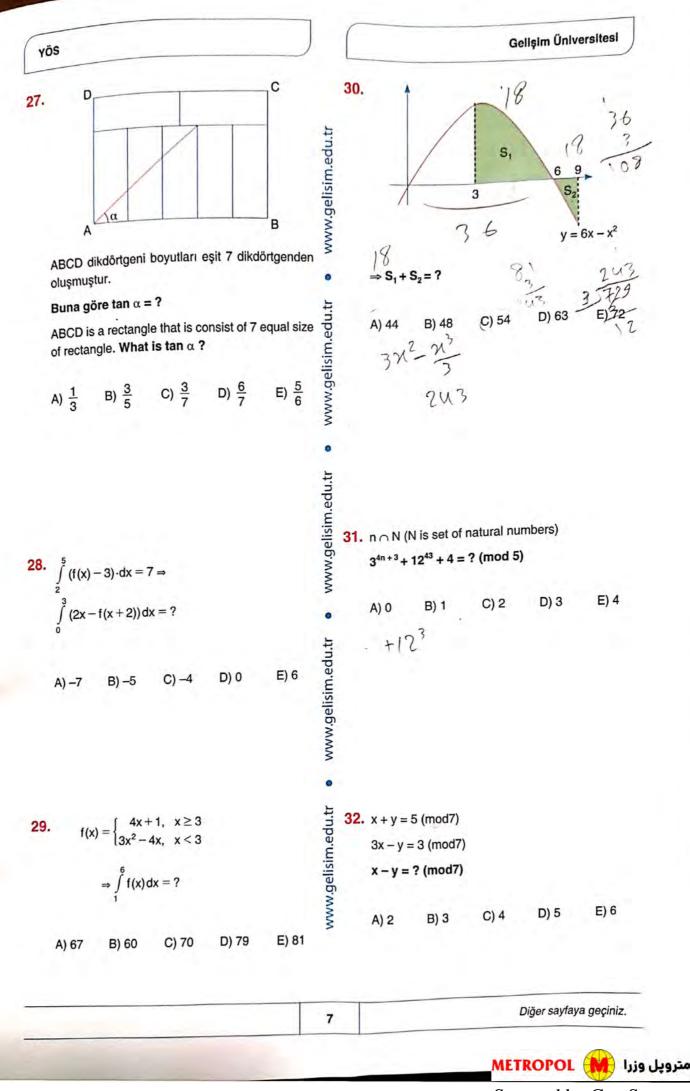
GELİŞİM ÜNİVERSİTESİ YÖS SORULARI 2019



Gelişim Üniversitesi YÖS 9. $x, y \in Z^*$, $f = \frac{y}{3}$, $f = \frac{y}{\sqrt{5x} + \sqrt{12y}}$ $\Rightarrow \frac{\sqrt{5x} + \sqrt{12y}}{\sqrt{27y} - \sqrt{20x}} = ?$ 12. a e Z*, 2x + (a - 3)y + 4 = 0www.gelisim.edu.tr ax + 5y - 4 = 0 $\mathbf{Q}.\mathbf{K} = \emptyset \Rightarrow \mathbf{a} = ?$ B) 0 C) -5 A) 1 E) -11 D) -7 D) 3 E) 5 B) 1 C) 2 A) 0 www.gelisim.edu.tr www.gelisim.edu.tr 10. n! = 1.2.3....n $\left[\frac{n!-2\cdot(n-2)!}{(n+1)!-3(n!)}\right]\cdot(n-1)=?$ **13.** $\frac{(x+y)^2 - xy}{x^3 - y^3} : \frac{x^2 + xy}{x^2 - y^2} = ?$ A) $\frac{n}{n-1}$ B) $\frac{n-1}{n}$ C) $\frac{n+1}{n}$ D) $\frac{n}{n+1}$ E) $\frac{n+1}{n-1}$ A) x + y B) $\frac{1}{x}$ E) yC) $\frac{1}{x-y}$ D) x E) y www.gelisim.edu.tr www.gelisim.edu.tr $\begin{array}{ccc} 11. & \mathsf{K} \\ \underline{-} & 4 \\ 5 \end{array} \quad \underline{-} & 5 \\ 2 \end{array}$ **14.** y - x = 5x + 3z = 2 $\Rightarrow \frac{K + L + M - 15}{2M} = ?$ $\Rightarrow x^2 - 3yz - xy + 3xz = ?$ B) -5 C) 7 A) -10 A) 13 B) 12 C) 10 D) 9 E) 8 D) 10 E) 25 Diğer sayfaya geçiniz. 4 METROPOL متروپل وزرا







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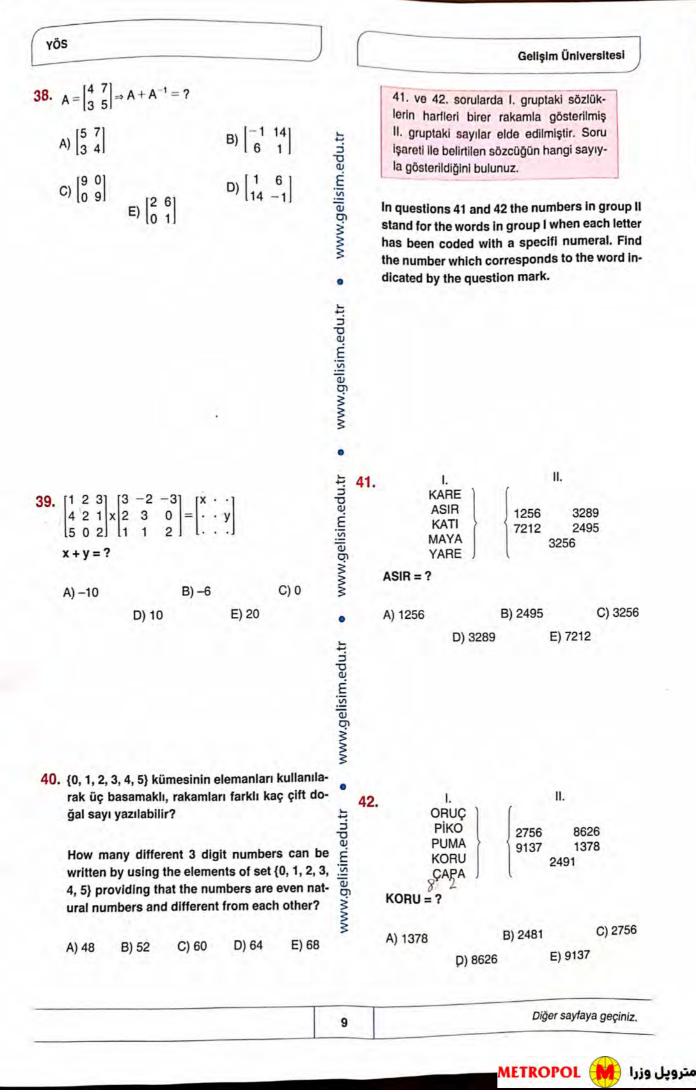
- 1	,	C

33. z·|Re(z)| = -25 + 60i **36.** $x \in [0, 3\pi]$ $\Rightarrow |z| = ?$ $2\cos^2 x + \cos x - 3 = 0$ www.gelisim.edu.tr \Rightarrow S·S = ? C) 12 D) 10 E) 9 B) 13 A) 14 A) $\{0, \frac{\pi}{2}\}$ B) {0, 2π} D) $\left\{\frac{\pi}{3}, \frac{4\pi}{3}\right\}$ C) $\left\{\frac{\pi}{2}, \frac{3\pi}{4}\right\}$ E) {2π} 0 222+21-3=0 www.gelisim.edu.tr 21 3 21 $(2 \times +3)(\times -1) = 0$ ろうべ **34.** $x^{2} + (a - 5)x + b = 0$ S·S = {x₁, -2} www.gelisim.edu.tr $x^{2} - (b + 2)x + c = 0$ S·S = {x₁, -3} \Rightarrow a + b = ? 2 A) 2 B) 1 C) 0 D) -1 E) -2 -3 0 www.gelisim.edu.tr Şekilde verilen karmaşık sayı aşağıda verilen denklemlerden hangisinin çözüm kümesidir? Which of the following is a solution set of complex numbers shown on the figure? • www.gelisim.edu.tr A) |z + 1 - 3i| = 2B) |z - 1 + 2i| = 235. sinx + siny = $\sqrt{3}$ C) |z + 2 - 3i| = 2D) |z - 2 + 3i| = 2 $\cos x + \cos y = 1$ E) |z - 3 - 2i| = 2 $\Rightarrow \cos(x - y) = ? (0) \% + \sqrt{3}$ C) $\frac{1}{3}$ D) $\frac{1}{2}$ E) 1 B) 0 A) -1 8 Diğer sayfaya geçiniz.

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43.

43 ve 44. sorularda 1. gruptaki kümelerin şekilleri birer rakamla gösterilerek II. gruptaki sayılar elde edilmiştir. Soru işareti ile belirtilen kümenin hangi sayıyla gösterildiğini bulunuz.

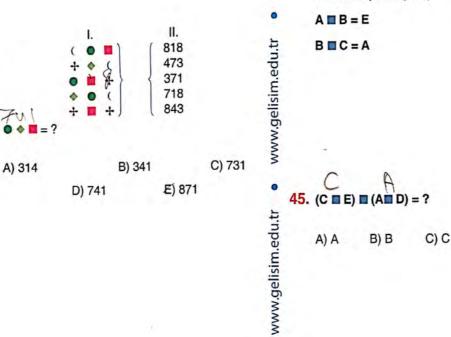
In questions 43 and 44, the numbers in group Il stand for the sets of figures in group I, when each figure has been coded with a specific numeral find the number which corresponds to the set of the figures indicated by question mark.

45 ve 46. soruları aşağıdaki tabloya göre cevaplayınız.

Answer questions 45 and 46. In accordance with the table given below.

		-	-		-
	A	в	С	D	E
A	С	Е	в	Α	D
в	Е	D	A	С	в
С	в	Α	Е	D	C
D	Α	С	D	В	Е
E	D	в	С	Е	Α

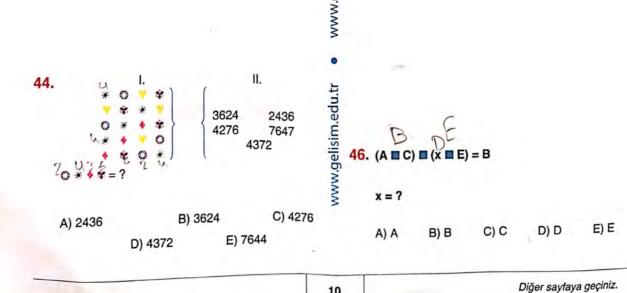
Tabloda 🔳 işleminin görevi belirlenmiştir. The operation of I is established in the table. Örnekler (Examples)



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0

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10

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E) E

D) D

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С

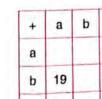
3b

			$a^2 - a \cdot b, a \le b$
47.	Ŀ	a * b =	$\begin{cases} a^2 - a \cdot b, a \le b \\ 2a - 3b, a > b \end{cases}$
		1	0-9=1
	11	(-2) * (5	5 * 3)=?

I. eşitlikte 🚏 işleminin görevi belirlenmiştir. Buna göre, II. eşitlikte soru işaretinin yerine aşağıdakilerden hangisi gelmelidir?

www.gelisim.edu.tr u --To equation I, the operation of * Is established. According to this operation, which of the following does the question mark stand for in equation II.? www.gelisim.edu.tr

C) 2 E) -34 D) -16 B) 6 A) 8



C

49.

0

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11

Yukarıdaki toplama tablosunda a, b ve c harfleri pozitif birer sayının yerine kullanılmıştır. Buna göre b kaçtır?

36

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

A) 4	B) 8	C) 11	D) 17	E) 25
	$c = 3^{V}$	D		
6+9	= 19			
40-1	= 36			
Q10-1 C+10	5=36			
56=	55			
-			Vandaki a	oromo v

np	(+) ()-	e'='	9	
v.geli	e +1 56:	~		
mm	20.	.,,		
) v ·	a	b	С
n.edu.tr • wwv	x		_	с

+	а	b	c
a		6c+1	
b			<u>2a</u> 3

Yandaki çarpma ve toplama tablosunda a, b, c harfleri pozitif birer sayının yerine kullanılmıştır. Buna göre b = ?

In the multiplication and addition tables above, the letters a, b and c each stand for a

positive number. Accordingly, what is the value of b = ?

E) 30 D) 27 C) 18 A) 7 B) 13

48. I. $a \forall b = \frac{1}{a} + \frac{1}{b}$ II. $a \star b = ab - b$ III. $(4 \vee 7) \star 28 = ? \frac{11}{78} \neq 28$

www.gelisim.edu.tr I ve II. eşitliklerde 🕈 ve 🛧 işlemlerinin görevleri belirlenmiştir. Buna göre, III. eşitlikte soru işaretinin yerine aşağıdakilerden hangisi gelmelidir?

In equations I and II the operations of V and * are established. According to these operations, which of the following does the question mark stand for in equation III?

E) -24 D) -21 A) 20 B) 18 C) -17

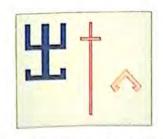
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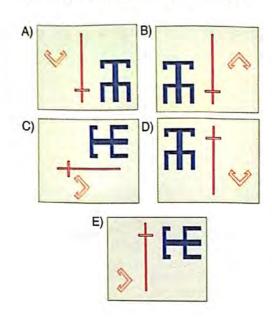
YÖS

51.



Aşağıda verilen şekillerden hangisi şeklin döndürülmüş halidir?

Which is the rotated form of the shape?



4

15

2 3

5 6

C) 16

2

A

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54.

53. x = 4,	y = 7,	z = 10
x = 7,	y = 16,	z = 16
x = −2,	y = -11,	z = -2

x lle y, x lle z arasında bir ilişki vardır. Buna göre,

There is a relationship of x with y and and x with z so,

 $x = 1 \Rightarrow y + z = ?$

A) -6 B) -4 C) 2 D) 6 E) 8

54 - 55. sorularda her harf birbirinden farklı bir şekle karşılık gelmektedir.

In questions 54-55 there is a different symbol to reprepsen each other.

:	•		3		:		
	:	•		\$		-	
	\$	‡		:	•	4	
:	•	1		\$	‡	•	,
\$:		•	:	:		
•		\$		‡			
‡			:	•		:	
	1	1		X		11	
к	L	K				K	K
	K		_		1	N	N

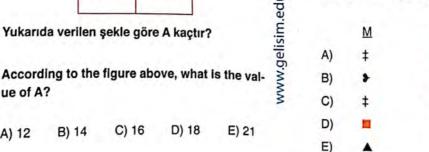
I ve II. yukarıdaki tablonun farklı birer parçasıdır.

Buna göre II deki M ve N nin yerine aşağıdakilerden hangisi gelmelidir?

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

Ν

\$



14

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Diğer sayfaya geçiniz.

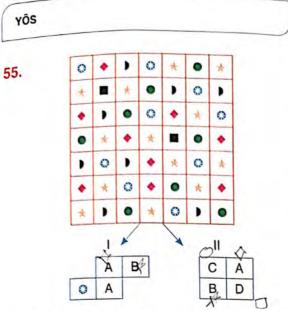


ue of A?

A) 12

B) 14

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0

0

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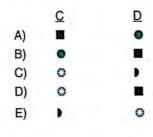
0

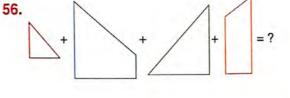
www.gelisim.edu.tr

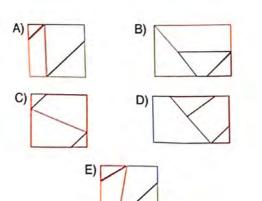
www.gelisim.edu.tr

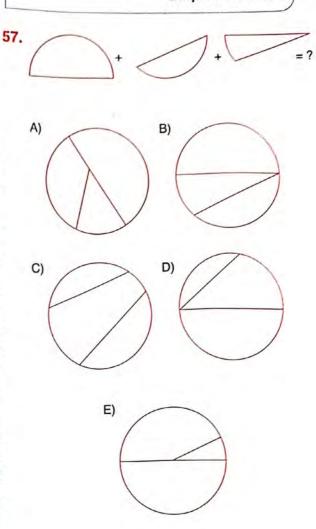
I. ve II. yukarıdaki tablonun farklı birer parçasıdır. Buna göre, II deki C ve D'nin yerine aşağıdakilerden hangisi gelmelidir?

www.gelisim.edu.tr I. and II. are different parts of the above table. Which one of the following must be replaced by C and D in II?









Diğer sayfaya geçiniz.



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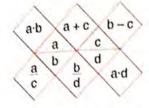
-7

24

C

d

58 - 60. soruları aşağıdaki şekle göre cevaplayınız.



Yukarıdaki şekil a, b, c ve d harfleri ile gösterilen dört pozitif tam sayıyı içeren bazı işlemlere göre düzenlenmiştir. Harflerin gösterdiği sayılar her soruda farklı olabilir. Fakat, bunlarla yapılacak işlemler her soruda aynıdır.

The figure above has been organized according to various operations using four opsitive integers represented by the letters a, b, c and d. The integers represented by the letters may change from question, but the operations to be done remain the same.

12

4

C) 20

C

d

a

b

5



K = ?

59.

Yukarıda verilen şekle göre K kaçtır?

According to the figure above, what is the value of K = ?

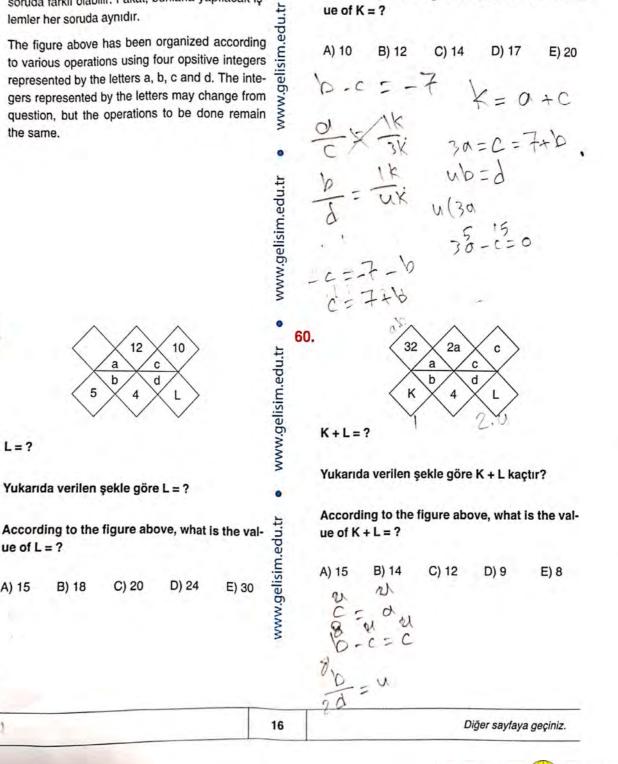
к

1

a

b

3



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58.

L=?

ue of L = ?

B) 18

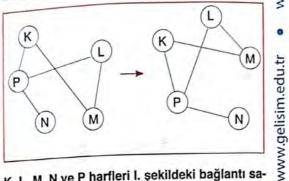
A) 15

61 ve 63 soruları örnekte verilen ilişkiye göre cevaplayiniz.

www.gelisim.edu.tr In questions 61 - 63. find the correct answer in accordance with the relationship established in the example below.

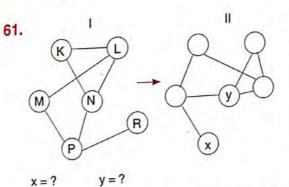
Örnek:

Example:



K, L, M, N ve P harfleri I. şekildeki bağlantı sayoları ve birbirine bağlanan harfler değişmemek koşuluyla II. şekil elde edilmiştir.

Letters K, L, M, N and P are linked as in Figure I. Figure II has been constructed so as not to change which letters are linked to which, and the number of links made with each letter, in Figure I.

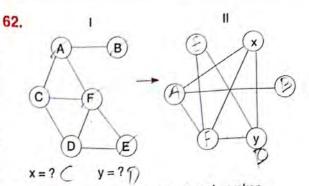


x = ?

II. şekilde x ve y nin yerine gelmesi gereken harfleri bulunuz. www.gelisim.edu.tr

Find the letters that correspond to x and y in Figure II.

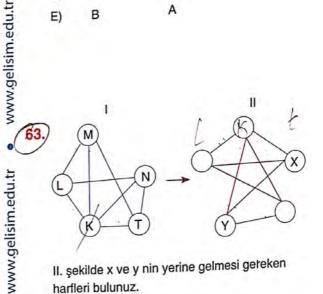
	X	У
A)	L	Ρ
B)	к	Ν
C)	N	Ρ
D)	к	L
E)	R	Ν



II. şekilde x ve y nin yerine gelmesi gereken harfleri bulunuz.

Find the letters that correspond to x and y in Figure II.

	X	У
A)	D	А
B)	С	D
C)	в	С
D)	С	F
E)	в	А



II. şekilde x ve y nin yerine gelmesi gereken harfleri bulunuz.

Find the letters that correspond to x and y in Figure II.

		x	У
A)	N	L
	3)	Ν	м
	;)	L	к
))	к	т
	=)	т	L

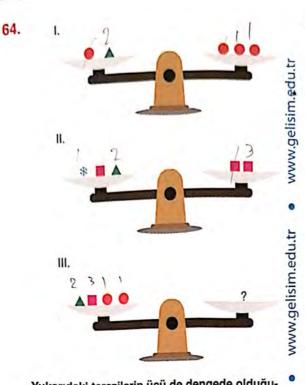
0

17

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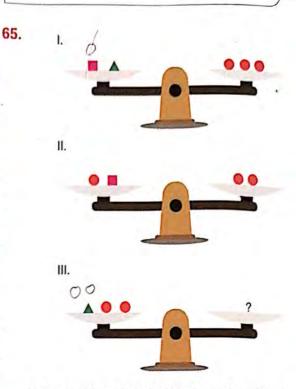
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YÖS

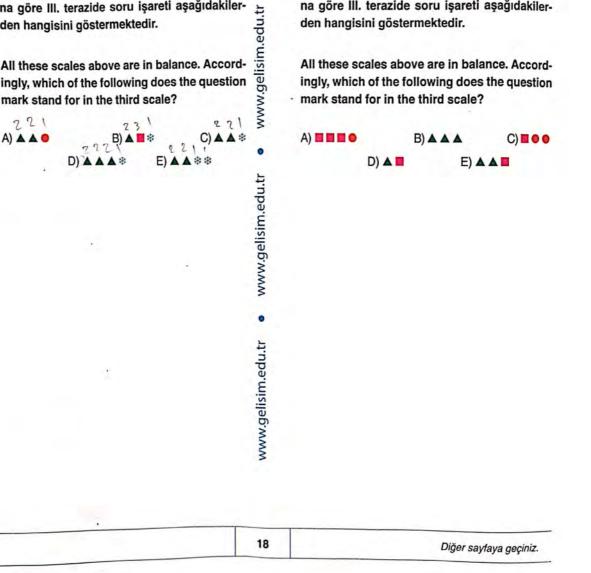
Yukarıdaki terazilerin üçü de dengede olduğuna göre III. terazide soru işareti aşağıdakilerden hangisini göstermektedir.

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



Yukarıdaki terazilerin üçü de dengede olduğuna göre III. terazide soru işareti aşağıdakilerden hangisini göstermektedir.

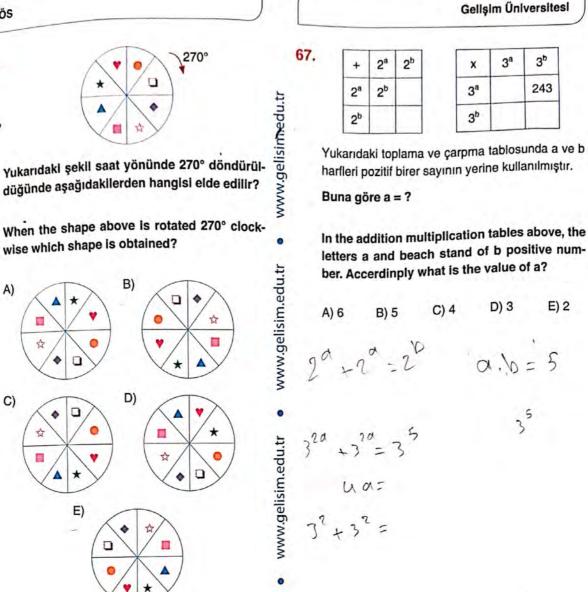
All these scales above are in balance. Accordingly, which of the following does the question mark stand for in the third scale?

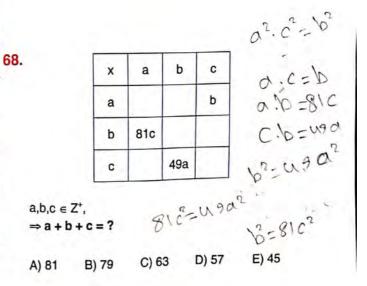


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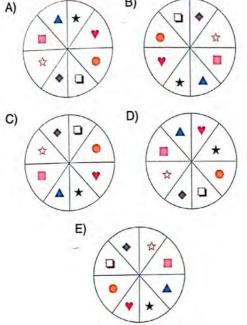


Diğer sayfaya geçiniz.



YÖS

66.



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0

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Gelişim Üniversitesi YÖS 69. I ve II ile verilen ilişkiye göre III. satırı hangi 70. şekil tamamlar. www.gelisim.edu.tr According to the relationship given in I and II which shape completes the row III? 3. 1. 2. 1. Yukarıdaki şekiller belirli bir kurala göre dizilmiştir. Buna göre 4. şekil aşağıdakilerden hangisidir? The above figures are arranged according to 11. www.gelisim.edu.tr a certain rule. Which is the 4. figure? B) A) III. C) D) ? 0 www.gelisim.edu.tr E) B) A) C) D) 71. • www.gelisim.edu.tr + ? E) Soru işareti yerine hangi şekil gelmelidir? Which one should come up instead of the question mark? A) B) • www.gelisim.edu.tr

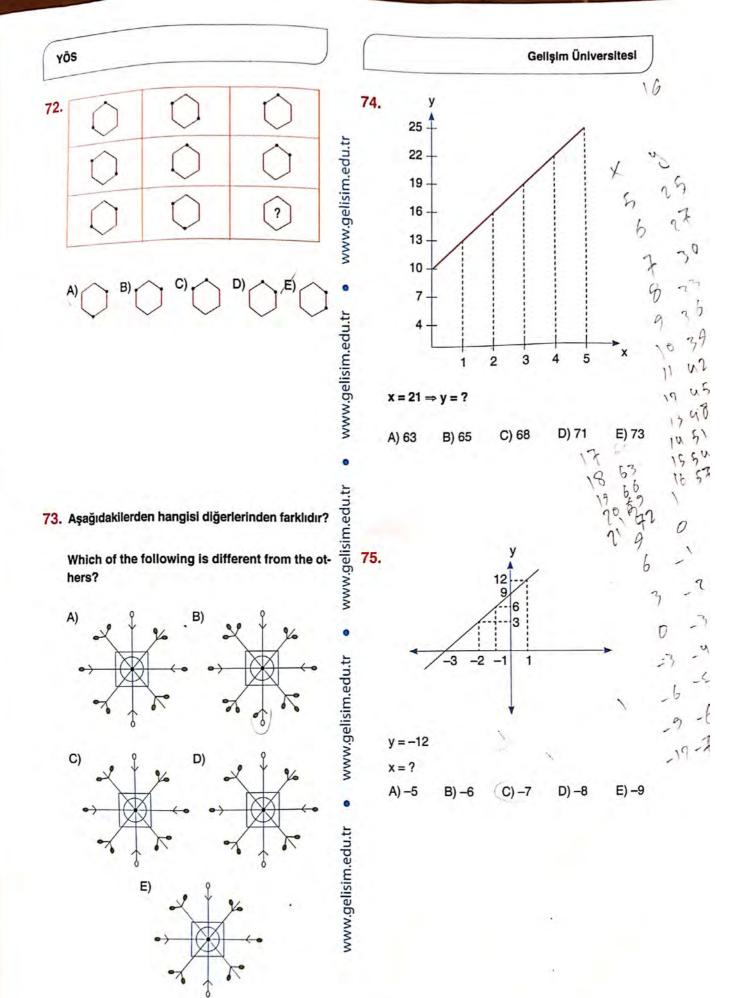




D)

E)

4.



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