

همراه شما در مسیر یوس

سوالات یوس ۲۰۱۹ دانشگاه کلیشیم

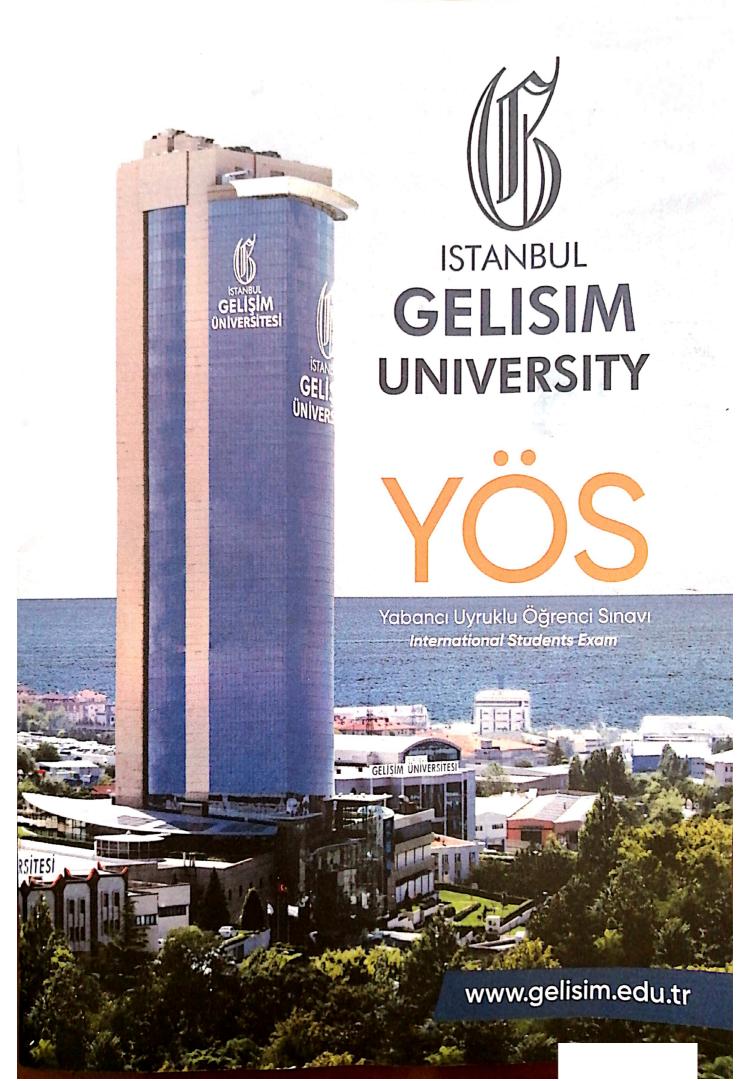


Istanbul Gelişim UNIVERSITY

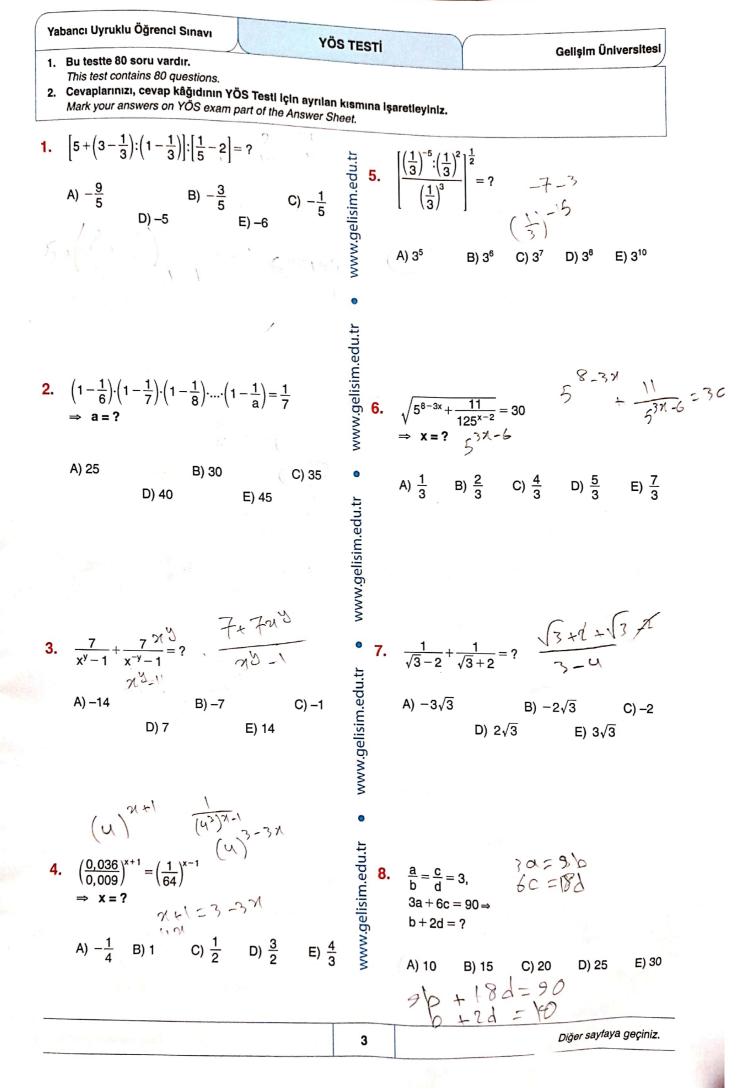
INTERNATIONAL STUDENTS' EXAM

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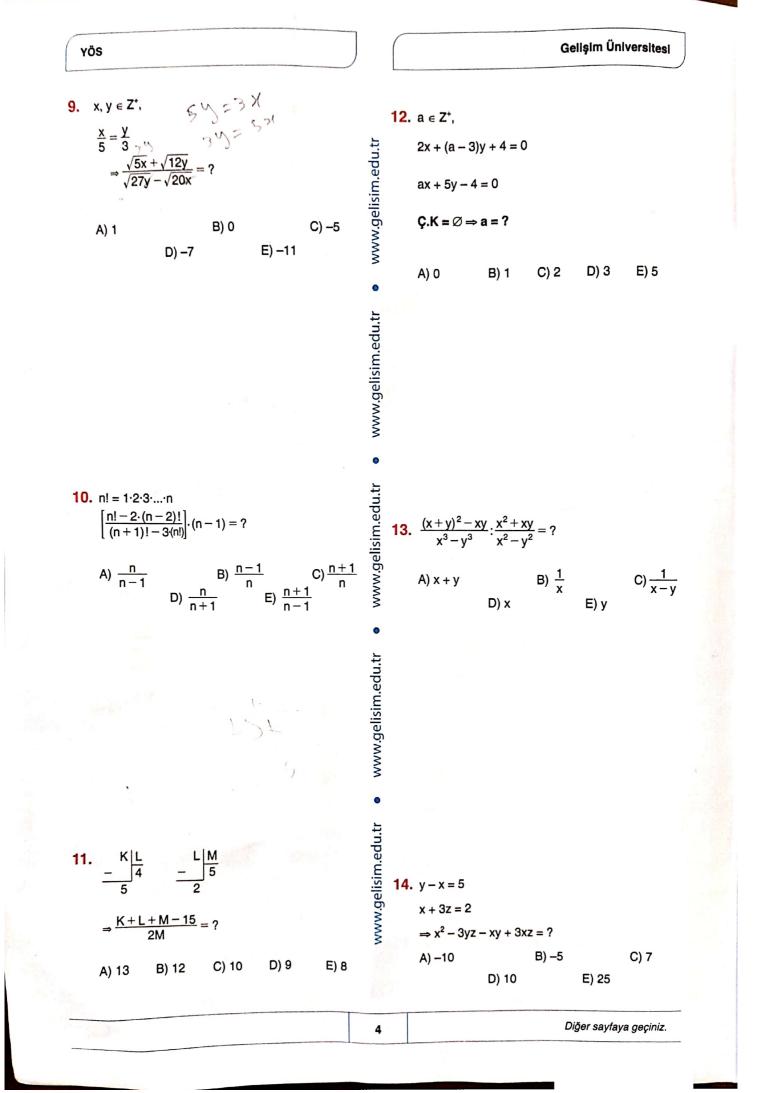
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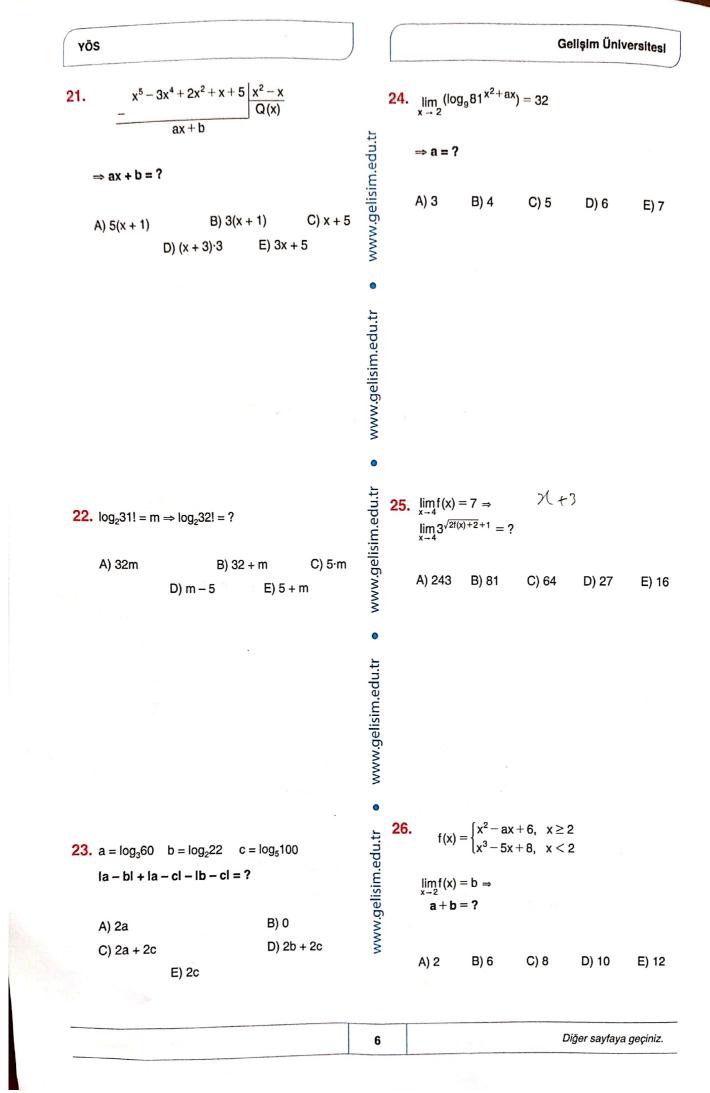


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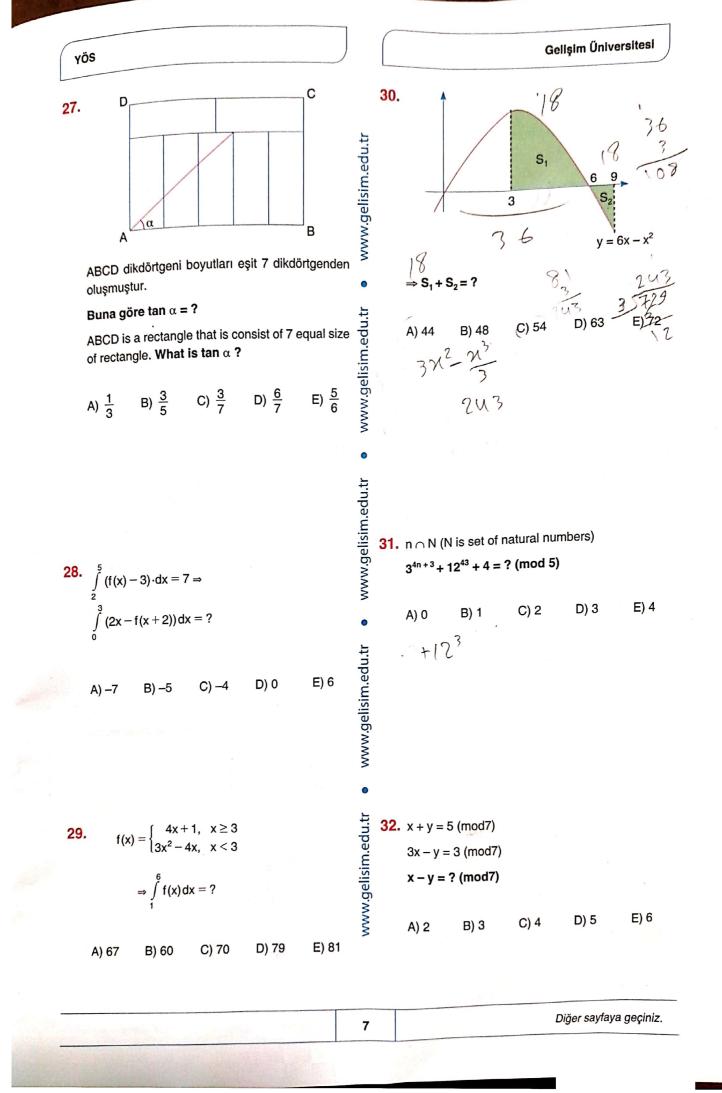
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17.		6 5 4 3 2	f(x) 2 3 4	g ^{−1} (x)	www.gelisim.edu.tr • www.gelisim.edu.tr	$d[P(x) \cdot Q(x^{2})] = 9$ $d\left[\frac{Q(x)}{P^{2}(x)}\right] = -3$ $\Rightarrow d[P(x) \cdot Q(x)] = ?$ A) 3 B) 4 C) 6 D) 7 E) 8
f(x)=ax- f(x) + (f⊄ ⇒ f(-4) A) 17	of)(x) = 6x -	11 C) 21	D) 23	E) 25	 www.gelisim.edu.tr 	A) $-i+1$ D) $1-i$ E) $1+i$ $2 = 2 \times +2 \times = 22 - 3$ $2 \times +6^{24} = 22 - 3 \times -3^{24}$ 8×-2^{24}
⇒a=?	3	4) + f(a) C) –3	D) –4	E) –5	www.gelisim.edu.tr • www.gelisim.edu.tr 6	s(B) = 22 ⇒ s(B \ A) = ? A) 3 B) 8 C) 16 D) 18 E) 20 A 3 B) 8 C) 16 D) 18 E) 20 A 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4

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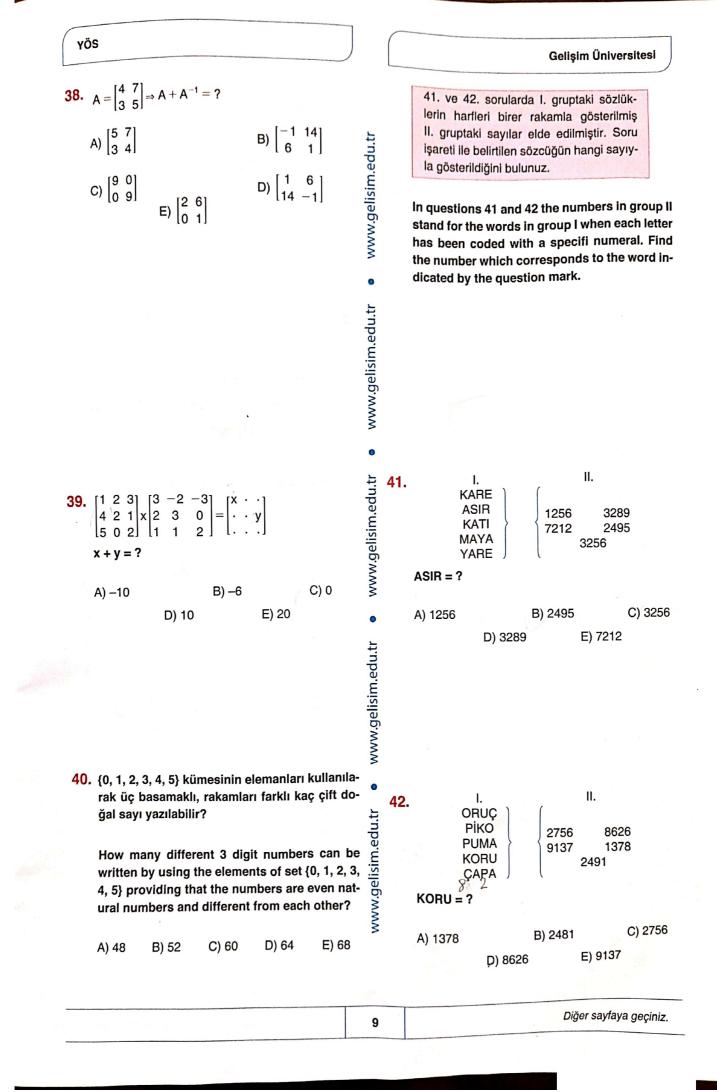


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YÖS				Gelişim Üniversitesi
33. z· Re(z) = −25 + 60i		36	5. x ∈ [0, 3π]	
⇒ z = ?			$2\cos^2 x + \cos x - 3 = 0$	
		lu.tr	⇒ S·S = ?	
A) 14 B) 13 C) 12 D	0)10 E)9	n.ec	A) $\{0, \frac{\pi}{2}\}$	B) {0, 2π}
		alisir	č E)	
		www.gelisim.edu.tr	C) $\left\{\frac{\pi}{2}, \frac{3\pi}{4}\right\}$	D) $\left\{\frac{\pi}{3}, \frac{4\pi}{3}\right\}$
		MM	E) {2π}	
		•		
) t	222+21-3=0	
		edu.		
		sim.6	:M - 3	
		www.gelisim.edu.tr	И -11	
		. (2 	2 2 2 4 3) (2 -1) =	- 0
		≥ 37	2 n - 1 2 n + 3)(N - 1) = 2 n = - 3 => N =	Xi
34. $x^2 + (a - 5)x + b = 0$ S·S = {x ₁ , -		0 37	′ •	-
$x^{2} - (b + 2)x + c = 0$ S·S = {x ₁ , -	-3}	lu.tr		
\Rightarrow a + b = ?		www.gelisim.edu.tr	<	<u>2</u> →x
A) 2 B) 1 C) 0	D) –1 E) –2	elisi		
A) 2 B) 1 C) 0	D) –1 E) –2	6.WV	/	
		~~~	-3	i )
		•		
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		lisin	Şekilde verilen karmaş	ık sayı aşağıda veri
		w.ge	denklemlerden hangisi	nin çözüm kümesidi
C		MM	Which of the followin	a is a solution set
		•	complex numbers show	
		.tr	A)  z + 1 – 3i  = 2	B)  z – 1 + 2il =
<b>35.</b> sinx + siny = $\sqrt{3}$	at i i	.edu	C) $ z + 2 - 3i  = 2$	
$\cos x + \cos y = 1$		lisim ,	E)  z - 3 - 2	2i  = 2
⇒ cos(x – y) = ? (♂) ਅ	1+13	www.gelisim.edu.tr		
A) –1 B) 0 C) $\frac{1}{3}$	D) $\frac{1}{2}$ E) 1	NMM		
A) - I B) U O) 3	-'2 -/'			
		•	T	Diğor aşı favra aradı i
1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		8		Diğer sayfaya geçiniz.

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YÖS

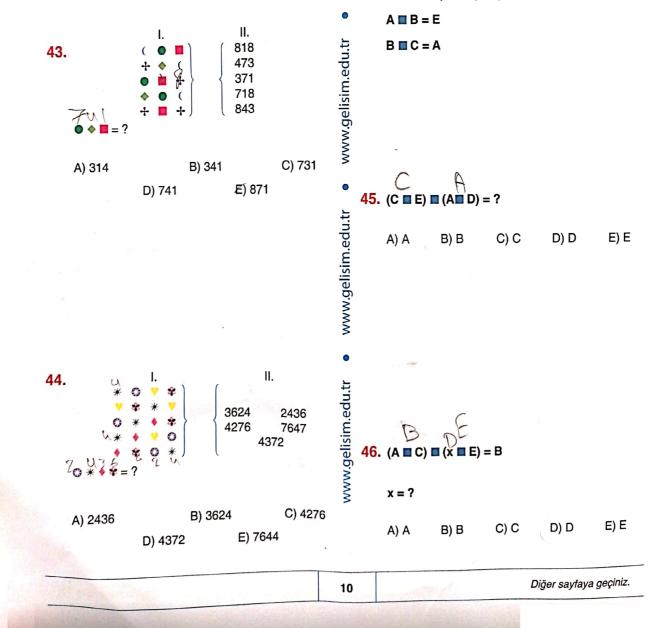
43 ve 44. sorularda 1. gruptaki kümelerin şekilleri birer rakamla gösterilerek II. gruptaki sayılar elde edilmiştir. Soru işareti ile belirtilen kümenin hangi sayıyla gösterildiğini bulunuz.

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 _{Ce-}vaplayınız.

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

	А	В	С	D	Е
Α	С	Е	В	Α	D
В	Е	D	A	С	В
С	В	А	Е	D	Ċ
D	А	С	D	В	Е
Е	D	В	С	Е	А

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



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### YÖS

### $\begin{cases} a^2 - a \cdot b, a \le b \\ 2a - 3b, a > b \end{cases}$ a 🕈 b = 47. 1. 10-9=1 Ⅱ. (-2) * (5 * 3)=?

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

www.gelisim.edu.tr u-1-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

8. I. 
$$a \forall b = \frac{1}{a} + \frac{1}{b}$$
  
II.  $a \star b = ab - b$ 

l ve II. eşitliklerde 🎔 ve 🛧 işlemlerinin görevleri belirlenmiştir. Buna göre, III. eşitlikte soru işaretinin yerine aşağıdakilerden hangisi gelmelidir?

11 # 28 28 # 28

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?

49.

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11

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

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
d+ C	= 31	D		
6+9	=19			
	= 36			
40-9	2=19			
¢ + 'c	5=76			
56=	55			
	_		-	

• 50.	x	а	b	С
F	а			
.edu.tr	b			7b
D.6	-			

. +	а	b	С
а		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

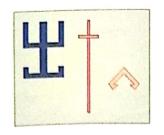
positive number. Accordingly, what is the value of b = ?

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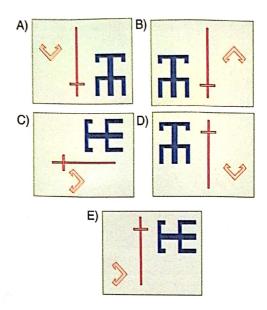


51.



Aşağıda verilen şekillerden hangisi şeklin döndürülmüş halidir?

# Which is the rotated form of the shape?



4

2 3

5 6 2

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54.

<b>53.</b> x = 4,	y = 7,	z = 10
x = 7,	y = 16,	z = 16
x = -2,	y = −11,	z = -2

x ile y, x ile 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.

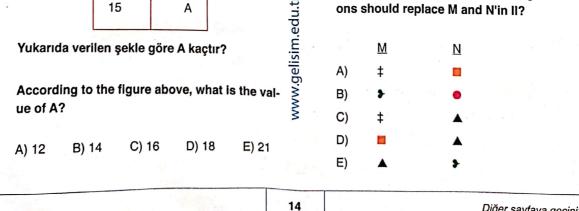
In questions 54-55 there is a different symbol to reprepsen each other.

:	•		>		:	•	
	:	•		3			2
	\$	‡		:	•		
1	•	:		\$	‡	•	
\$	:		•	:	:		
•		3		‡			
‡			:	•		:	•
	I			-		11	_
К	L	K			ł	<	K
	К				Ν	Λ	Ν

l 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?

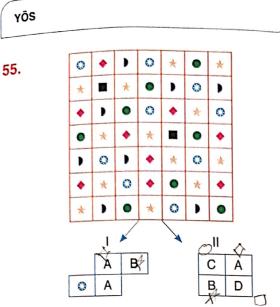


## **പ്പം** (ന uniland.ir

52.

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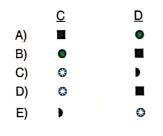
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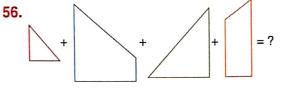
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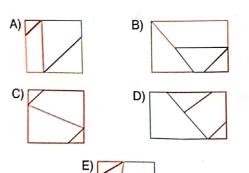
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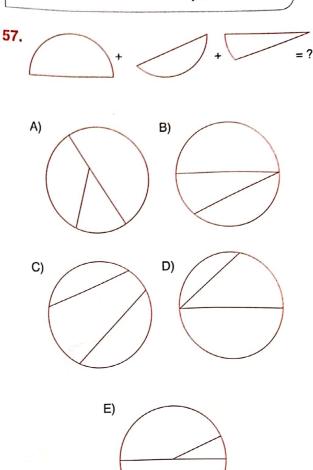
I. ve II. yukarıdaki tablonun farklı birer parçasıdır. Buna göre, II deki C ve D'nin yerine aşağıdakilerden hangisi gelmelidir?

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









15

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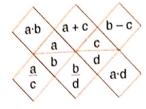
-7

24

С

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.



59.

K = ?

Yukarıda verilen şekle göre K kaçtır?

a

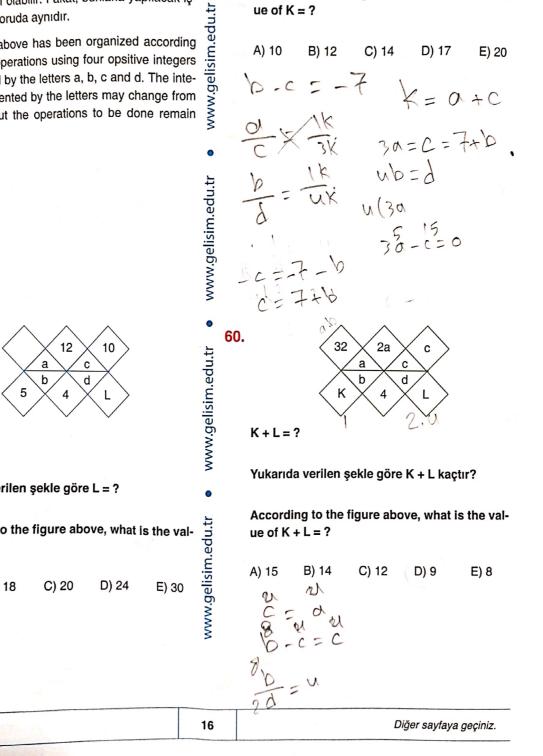
b

3

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

Κ

1



#### 58.

L = ?

Yukarıda verilen şekle göre L = ?

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

A) 15 B) 18

YÖS

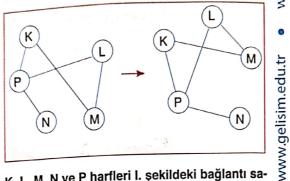
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61 ve 63 soruları örnekte verilen ilişkiye göre cevaplayınız.

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

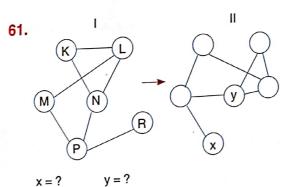
## Örnek:

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.

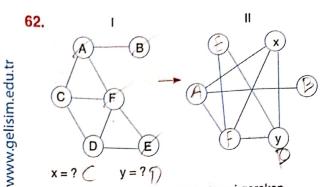


x = ?

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.

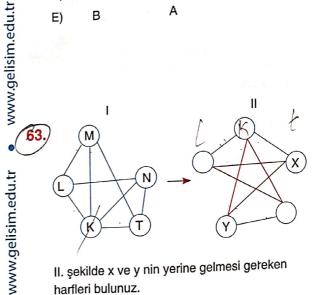
	X	¥
A)	L	Р
B)	к	Ν
C)	Ν	Р
D)	к	L
E)	R	Ν



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	Α
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
B)	N	М
C)	L	к
D)	к	Т
E)	т	L

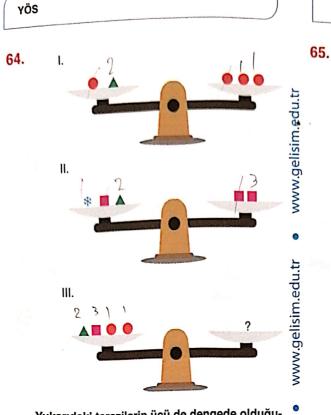
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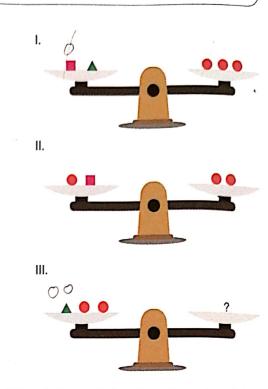


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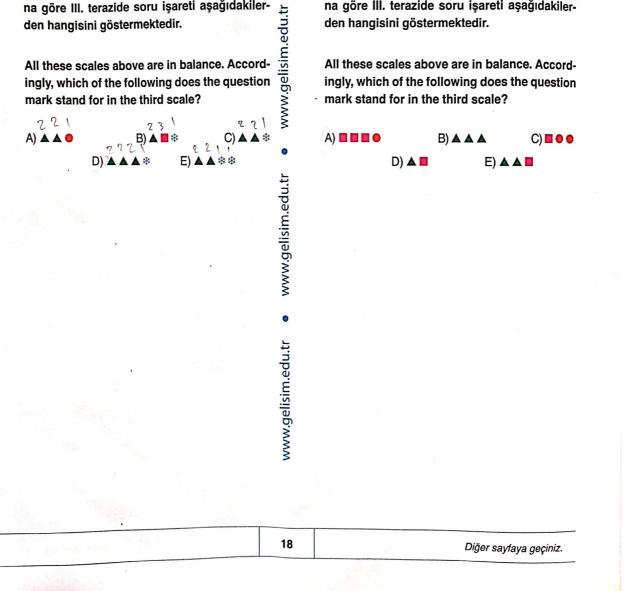
Yukarıdaki terazilerin üçü de dengede olduğuna göre III. terazide soru işareti aşağıdakilerden hangisini göstermektedir.

All these scales above are in balance. Accord-

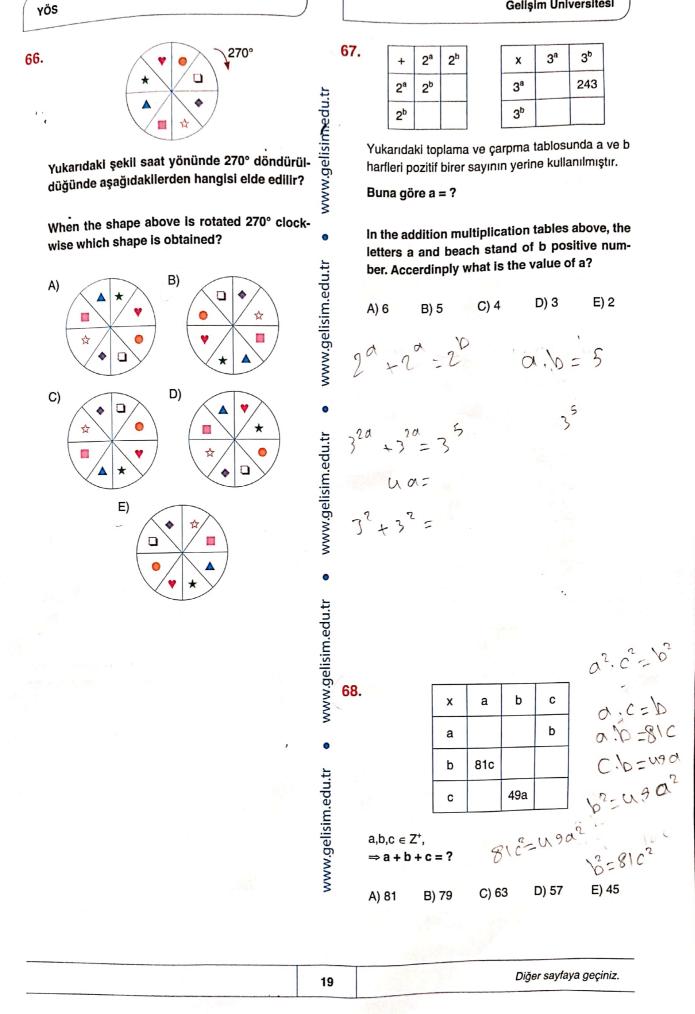


Yukarıdaki terazilerin üçü de dengede olduğuna göre III. terazide soru işareti aşağıdakilerden hangisini göstermektedir.

All these scales above are in balance. Accordmark stand for in the third scale?



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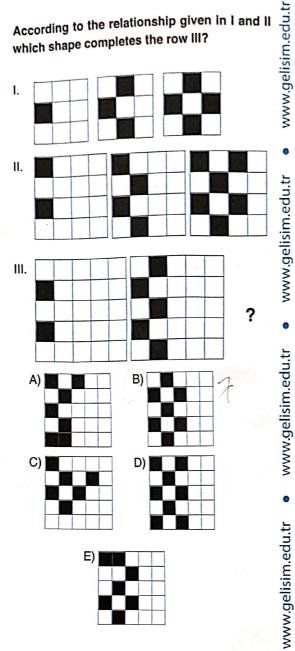


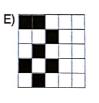
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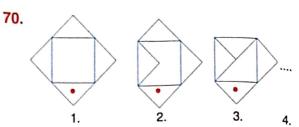
YÖS

69. I ve li ile verilen ilişkiye göre III. satırı hangi şekil tamamlar.

According to the relationship given in I and II which shape completes the row III?

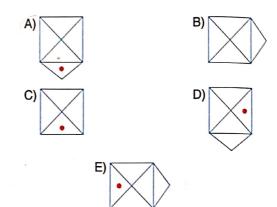


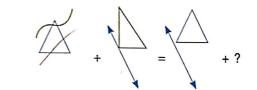




Yukarıdaki şekiller belirli bir kurala göre dizilmiştir. Buna göre 4. şekil aşağıdakilerden hangisidir?

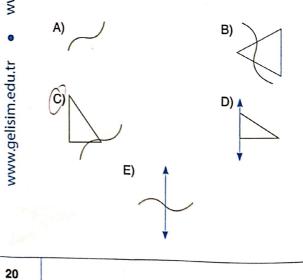
The above figures are arranged according to a certain rule. Which is the 4. figure?





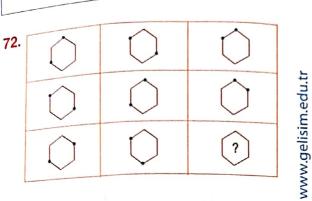
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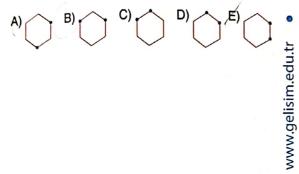
Soru işareti yerine hangi şekil gelmelidir? Which one should come up instead of the guestion mark?

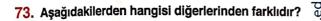


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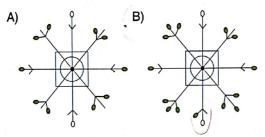
YÖS

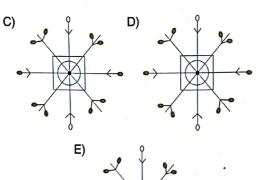




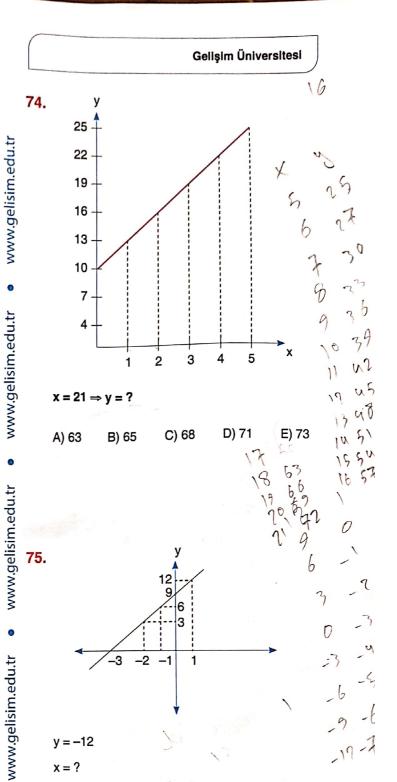


Which of the following is different from the others?





6



x = ? A) –5 (C) –7 B) –6

21

0

0

0

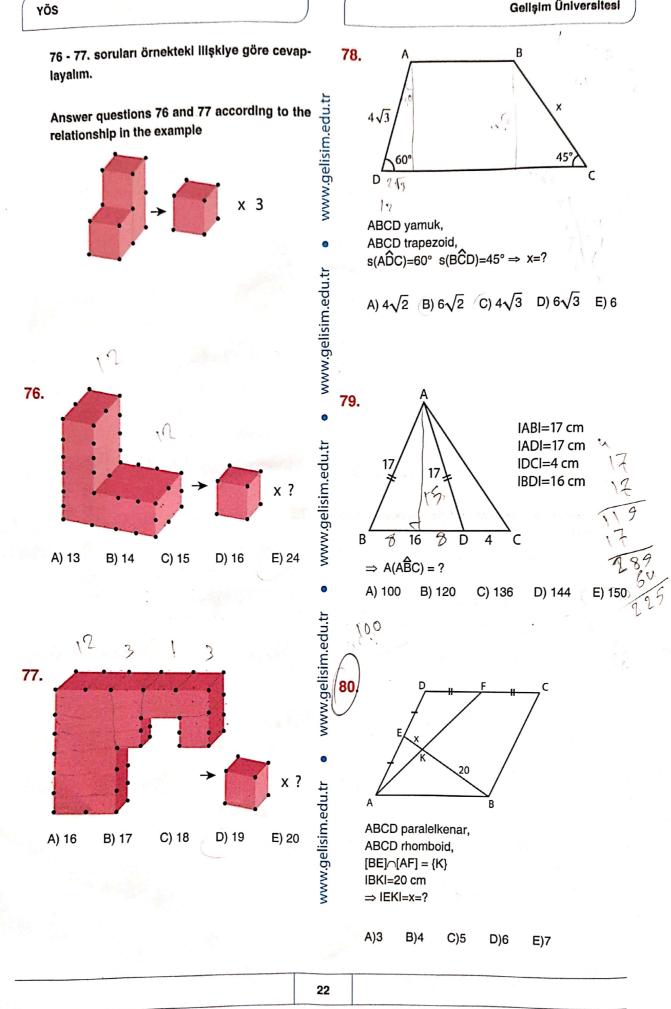
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D) -8

E) -9



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