

AD :

SOYAD :

TC KİMLİK NO. :

SALON NO :

SIRA NO :

KİTAPÇIK NUMARASI							
2	0	2	4	0	0	0	2

ADAYIN DİKKATİNE !

1. Bu kitapçıkta toplam 80 soru bulunmaktadır. Sayısal Yetenek Testinde 40 soru ve Temel Matematik Testinde 40 soru olacaktır.
2. Bu sınav için verilen cevaplama süresi 100 dakikadır (1 saat 40 dakika).
3. Bu testlerdeki her sorunun bir tek doğru cevabı vardır. Bir soru için birden çok cevap yeri işaretlemisse, o soru yanlış cevaplanmış sayılacaktır.
4. Bu sınav puanlanırken her testteki doğru cevaplarınızın sayısından yanlış cevaplarınızın sayısının dörtte biri çıkarılacak ve kalan sayı o bölümle ilgili ham puanınız olacaktır.
5. Sayısal Yetenek Testi için 0,45 Ve Temel Matematik Testi için 0,55 katsayısı ile ağırlıklandırılarak .
6. Ağırlıklar puanlar, kendi içinde en küçüğü 100, en büyüğü 500 olan puanlara dönüştürülerek TRYÖS puanı oluşturulacaktır.



TELEGRAM



INSTAGRAM



WHATSAPP

01

MKRL 8M95
KNRM 7859
MXLK 56Y8
RNMK 8579
RMKL 768Z

$$X + Y + Z = ?$$

- A) 18 B) 22 C) 20
D) 19 E) 21

02

1 3 4 6 $\uparrow\uparrow \downarrow \leftarrow \Rightarrow$
5 2 1 3 $\uparrow\uparrow \nearrow \downarrow \leftarrow$
6 2 5 3 $\nearrow \searrow \uparrow \downarrow$
1 5 3 4 $\leftarrow \downarrow \Rightarrow \nearrow$
4 3 6 5 $\Rightarrow \searrow \nearrow \downarrow$

$$2 5 3 2 1 = ?$$

- A) $\leftarrow \searrow \downarrow \leftarrow \uparrow$
B) $\searrow \nearrow \downarrow \searrow \downarrow$
C) $\leftarrow \nearrow \downarrow \nearrow \uparrow$
D) $\searrow \nearrow \downarrow \searrow \uparrow$
E) $\nearrow \searrow \downarrow \searrow \uparrow$

03

a, b ve c pozitif tam sayılardır.

x	2^a	2^b	2^c
2^a			
2^b	2^c		
2^c			

+	a·b	a·c	b·c
a·b			
a·c		12	
b·c		36	

$$\frac{c}{b-a} = ?$$

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

04

12	15	24
----	----	----

232

33	77	20
----	----	----

372

14	21	35
----	----	----

235

26	65	9
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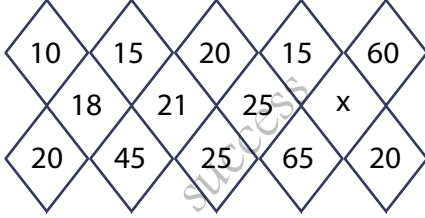
x

$$x = ?$$

- A) 275 B) 137 C) 259
D) 253 E) 375

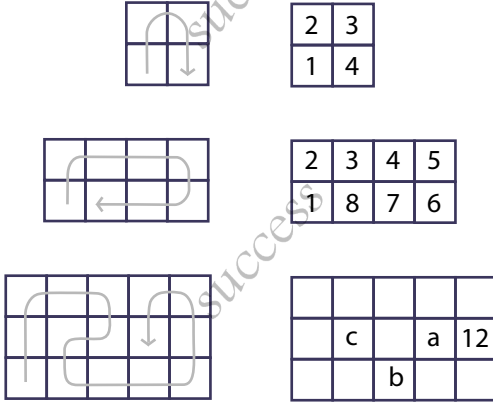


05

 $x = ?$

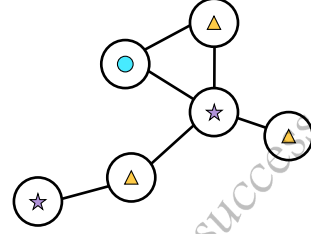
- A) 27 B) 13 C) 32
D) 15 E) 21

06

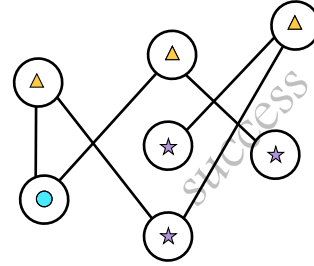
 $a + b + c = ?$

- A) 29 B) 32 C) 31
D) 28 E) 23

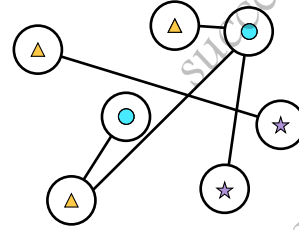
07



$$(2^5 + 1^2) - 3^5$$



$$(3^4 + 1^2) - 3^6$$



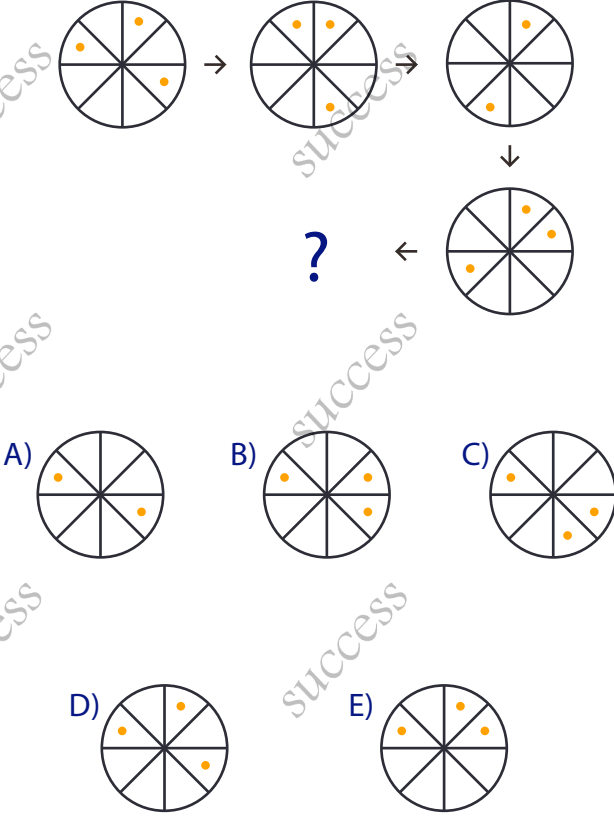
$$(2^x + 2^y) - 3^z$$

 $x + y + z = ?$

- A) 7 B) 8 C) 13
D) 11 E) 10

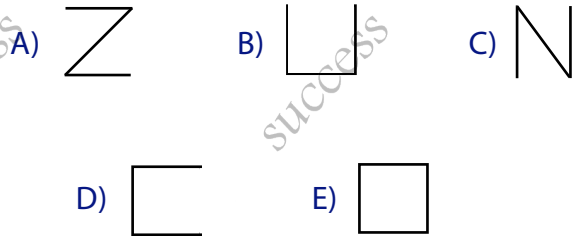


08



09

Hangi şekil diğerlerinden farklıdır?



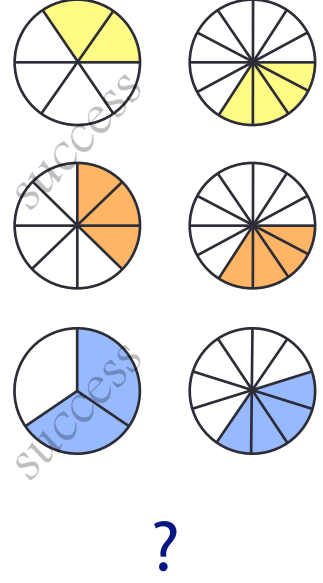
10

08:20

09:20

16:24

15:20



A)

B)

C)

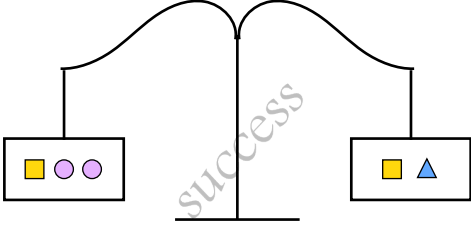
D)

E)

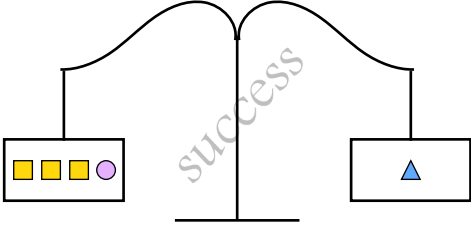


11

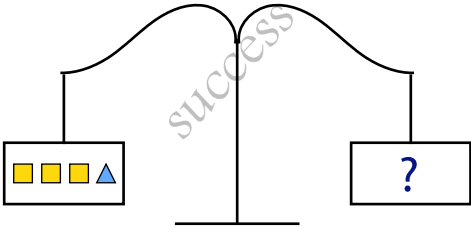
I.



II.



III.

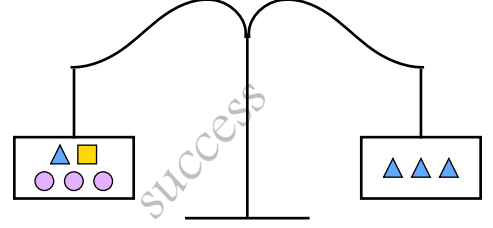


III. terazinin dengesini sağlamak için, aşağıdaki seçeneklerden hangi şekiller eklenmelidir?

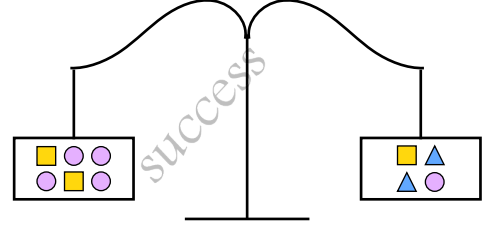
- A) ○ ○ □ □
- B) □ △ △
- C) △ □
- D) ○ ○ ○
- E) △ △ ○

12

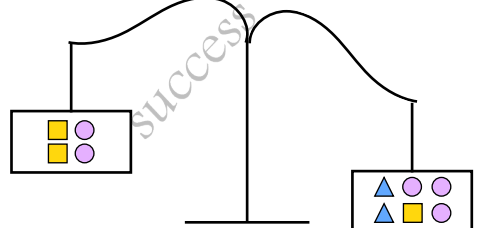
I.



II.



III.

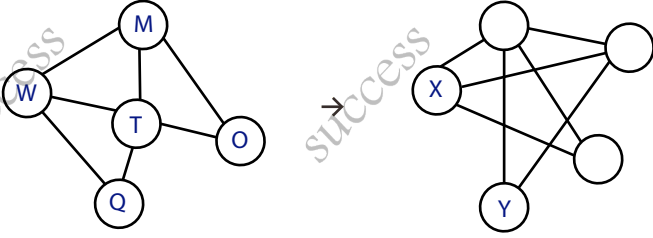


III. terazinin dengesini sağlamak için, sağ taraftaki hangi şekiller sol tarafa alınmalıdır?

- A) △ □
- B) ○ △
- C) △
- D) ○ ○
- E) □ ○ △

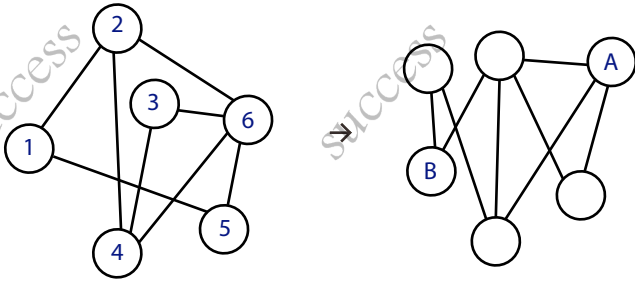


13



- | | <u>X</u> | <u>Y</u> |
|----|----------|----------|
| A) | W | Q |
| B) | M | O |
| C) | Q | O |
| D) | M | Q |
| E) | W | M |

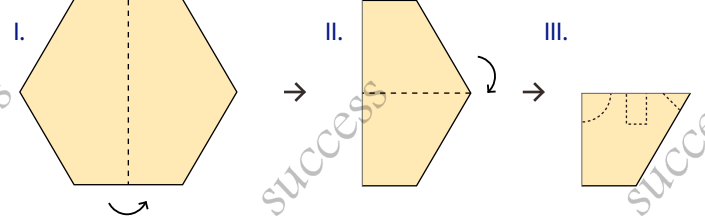
14



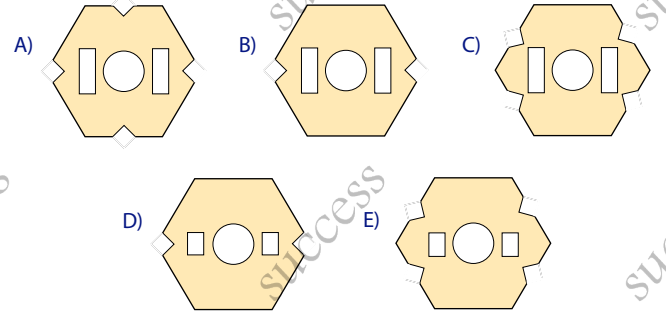
(A,B) = ?

- | | | |
|----------|----------|----------|
| A) (4,1) | B) (2,3) | C) (4,5) |
| D) (2,5) | E) (4,3) | |

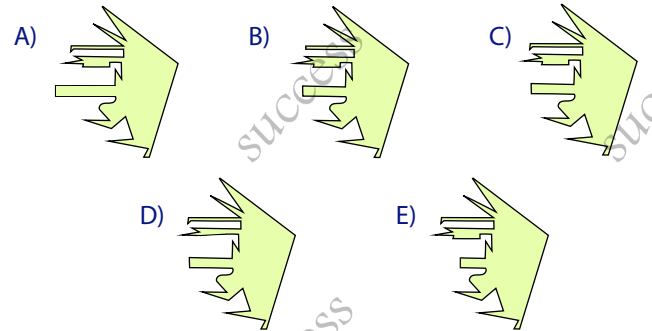
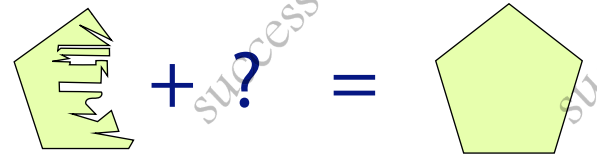
15



Verilen altıgen şekilli kağıt, I. ve II. aşamalarda görüldüğü gibi katlanıp, III. aşamada kesiliyor. Aynı kağıdı tekrardan açılırsa, aşağıdaki seçeneklerden hangisi kağıdın şekli olur?

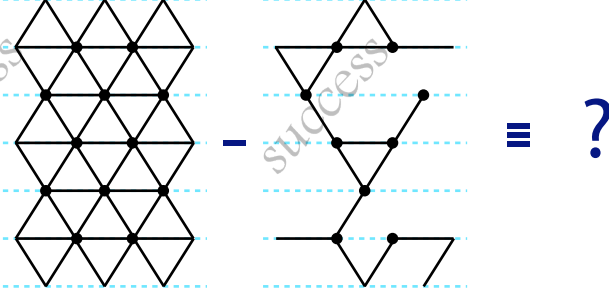


16



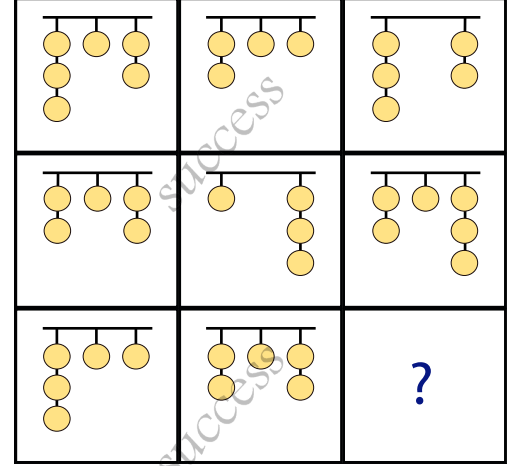


17



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

18



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

19

Hangi şekil diğerlerinden farklıdır?

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

A) 

B)



○ △ ★ □ ▢

C)



A B C D E

○ △ ★ □ ▢

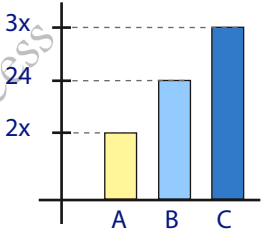
D) 

E)

○ △ ★ □ ▽

7

23

 $x = ?$

A) 5

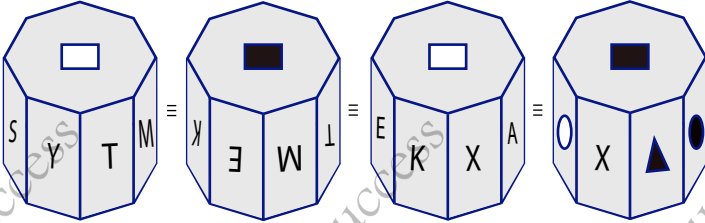
B) 8

C) 10

D) 12

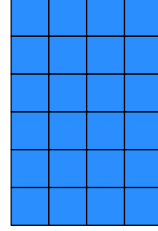
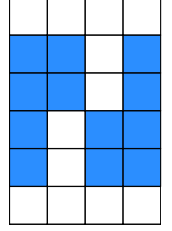
E) 15

24

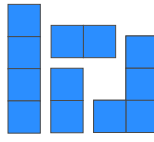


- A) V E K
 B) E K V
 C) A K E
 D) V K E
 E) A E K

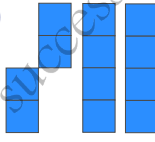
25

 $- ? \neq$ 

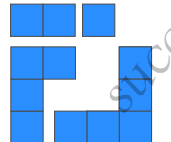
A)



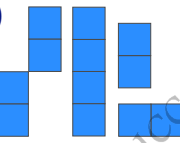
B)



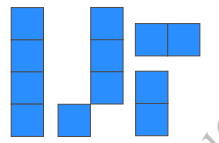
C)



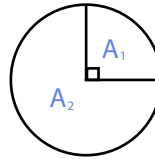
D)



E)

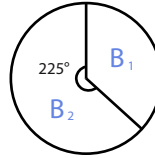


26

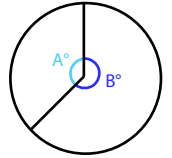


$A_1 + A_2 = A$

$A_2 = B_1$



$B_1 + B_2 = B$

 $B^\circ = ?$

A) 270

B) 220

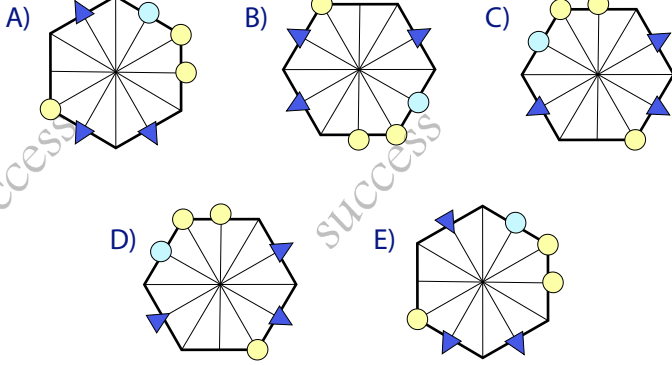
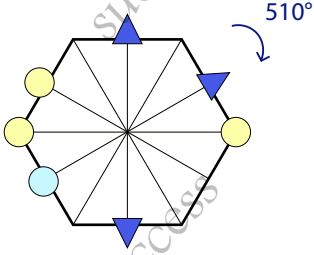
C) 240

D) 260

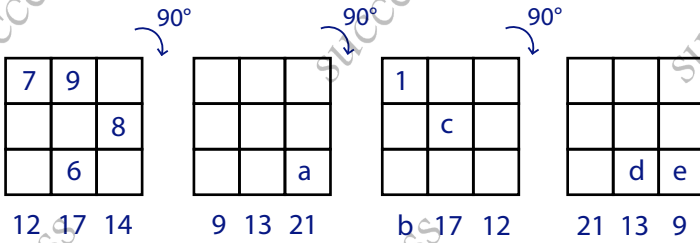
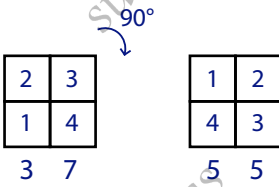
E) 210



27



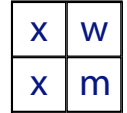
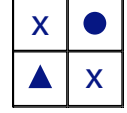
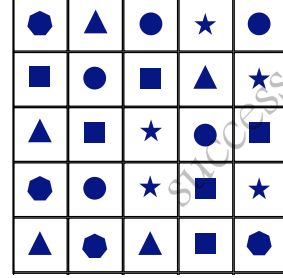
28



$$a+b+c+d+e=?$$

- A) 25 B) 27 C) 29
D) 26 E) 28

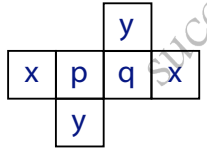
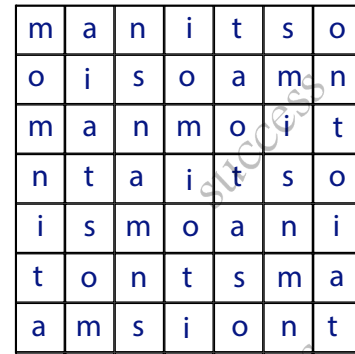
29



$$(m, w) = ?$$

- A) (★, ▲) B) (●, ■) C) (★, ●)
D) (●, ★) E) (▲, ★)

30

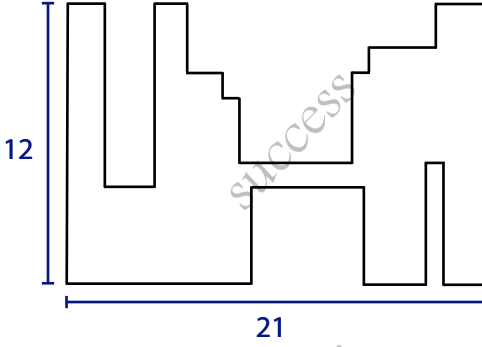


$$(p, q) = ?$$

- A) (a, i) B) (a, s) C) (s, a)
D) (o, m) E) (n, o)



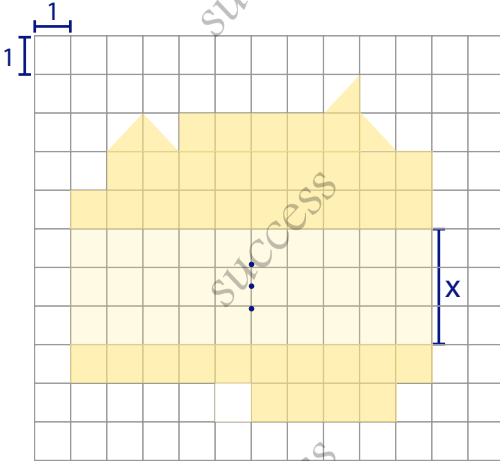
31



Şeklin çevresi kaçtır?

- A) 112 B) 114 C) 116
D) 113 E) 115

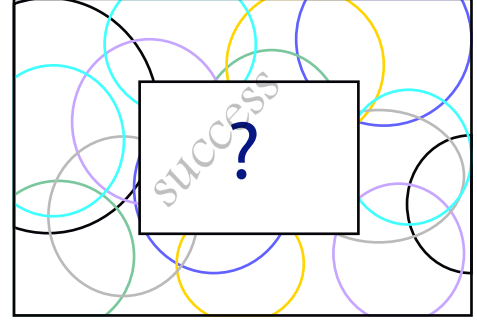
32



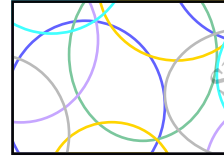
Bütün alan 110 cm'dir. Şekilde taralı olan sarı kısmının yüksekliği x birimdir. Buna göre, x kaç birimdir?

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

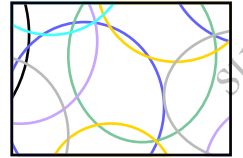
33



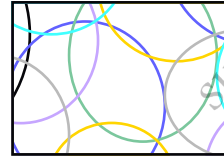
A)



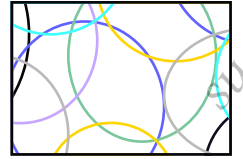
B)



C)

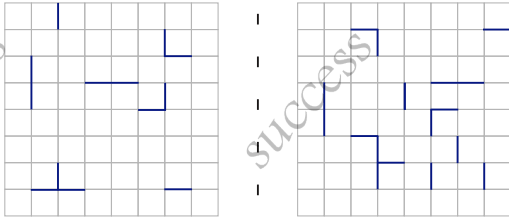


D)

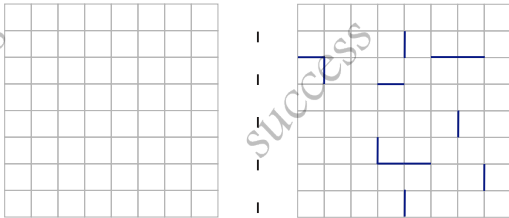


E)

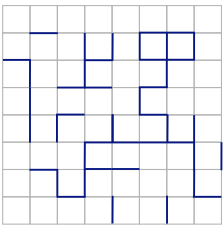




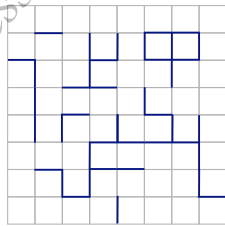
2. adım



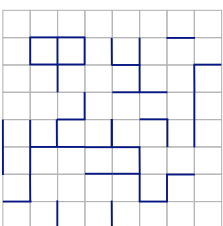
A)



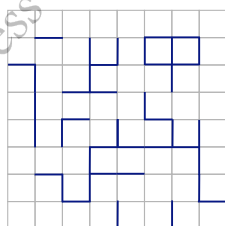
B)



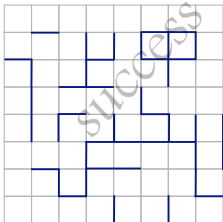
C)



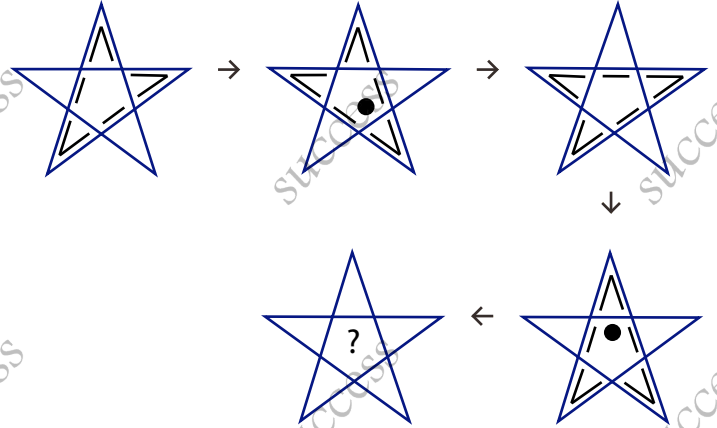
D)



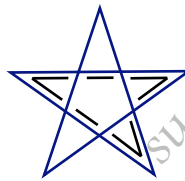
E)



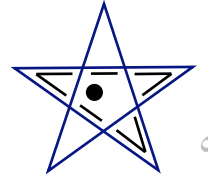
35



A)



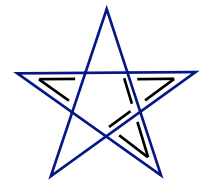
B)



C)



D

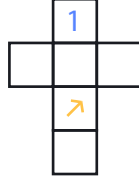
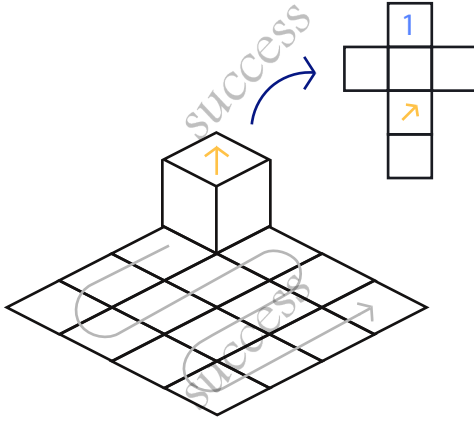


E)

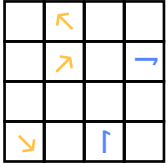




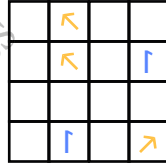
36



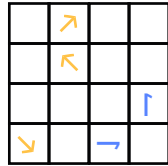
A)



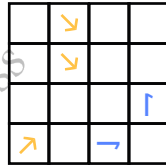
B)



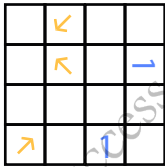
C)



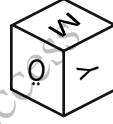
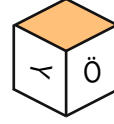
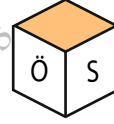
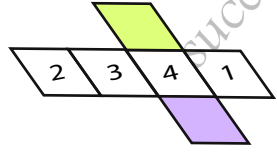
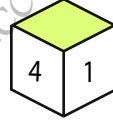
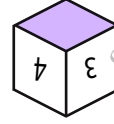
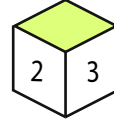
D)



E)

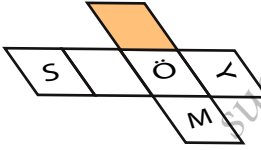


37

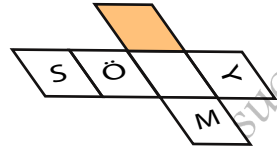


?

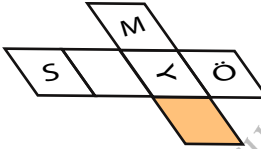
A)



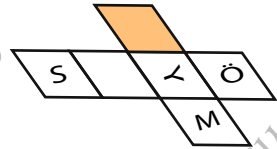
B)



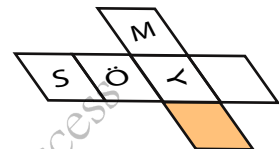
C)



D)

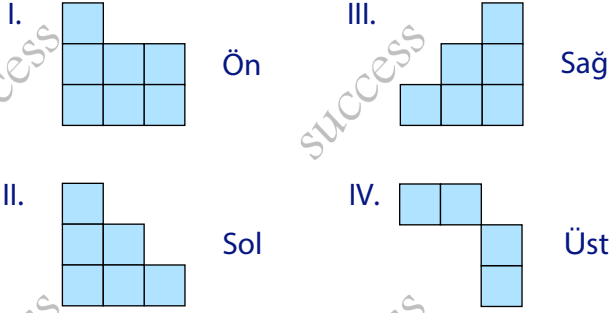


E)

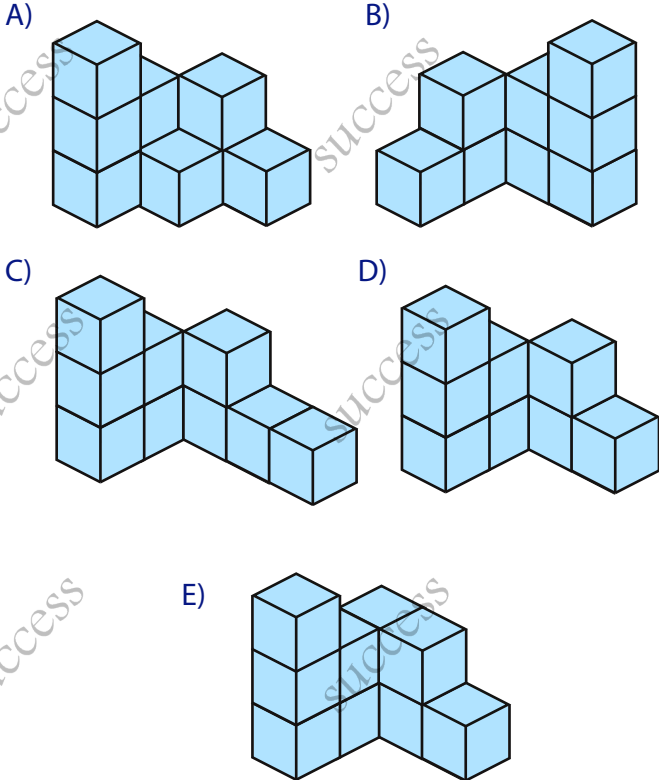




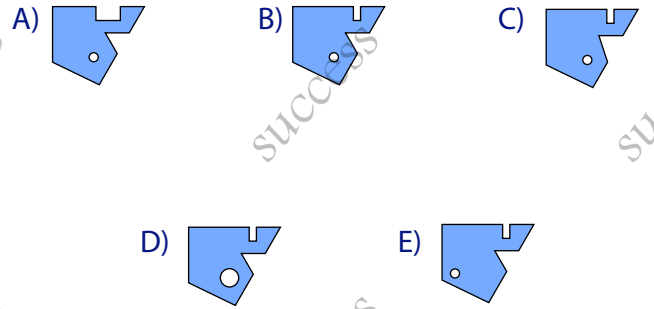
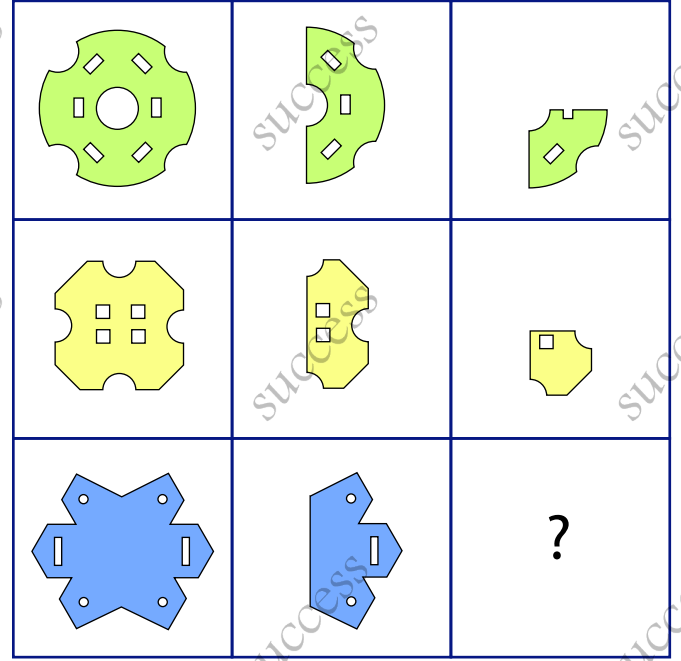
38



Aşağıdaki şıklardan hangisi yukarıdaki bakış açılarına göre uyumludur?

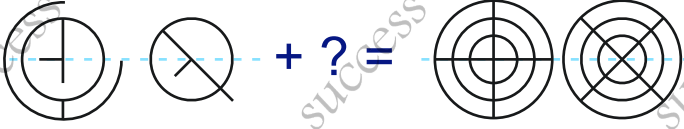


39





40



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

41

$$\frac{1}{3} - \frac{4}{\frac{1}{2} - 2} = ?$$

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

42

$$\frac{1}{5x+2} - \frac{3}{10x+4} = \frac{1}{12} \quad x=?$$

- A) $-\frac{5}{8}$ B) $-\frac{8}{5}$ C) $\frac{5}{8}$ D) $\frac{8}{5}$ E) 1

43

$$\frac{\frac{1}{12} \cdot \frac{4}{5}}{2 + \frac{2}{5}} = ?$$

- A) 2 B) 6 C) $\frac{1}{6}$ D) $\frac{1}{36}$ E) 36



44

$$2\sqrt{3} \left(\frac{\sqrt{18} + \sqrt{27}}{3 + \sqrt{6}} \right) = ?$$

- A) 2 B) 6 C) 18 D) 36 E) 54

47

$$\frac{8^2 \cdot 12^6}{4^4 \cdot 9^3 \cdot 16^2} = ?$$

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

45

$$\frac{\sqrt{75} \cdot \sqrt{12}}{\sqrt{98} - \sqrt{8}} = ?$$

- A) $\sqrt{2}$ B) $2\sqrt{2}$ C) $3\sqrt{2}$ D) $4\sqrt{2}$ E) $5\sqrt{2}$

48

$$1 + \frac{4}{1 + \sqrt{x}} = \sqrt{x} \quad x = ?$$

- A) 2 B) 4 C) 5 D) 12 E) 20

46

$$\frac{7! + 8!}{5!(3! + 5!)} = ?$$

- A) 3 B) 9 C) 27 D) 6! E) 7!

49

$$\frac{(x+3)^2 + x + 1}{x^2 - 4} \cdot \frac{x^2 + 3x - 10}{x + 5} = ?$$

- A) $x + 5$ B) $x - 2$ C) $x + 2$
D) $x - 5$ E) x



50

$$\frac{4 \cdot 9^2 - 4^2 \cdot 9}{2^2 \cdot 3^3 + 2^3 \cdot 3^2} = ?$$

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

51

$$4^{x+1} \cdot 12^{1-x} = 6$$

$$9^x = ?$$

- A) 3 B) 8 C) 9 D) 64 E) 81

52

$$(a - b)! = 1$$

$$\frac{a!}{b!} + \frac{b!}{a!} = \frac{50}{7}$$

$$a \cdot b = ?$$

- A) 30 B) 36 C) 42 D) 48 E) 49

53

$$x < y < 0$$

$$\left| \frac{x}{y} - 1 \right| = 2$$

$$|x - y + 1| = 7$$

$$x \cdot y = ?$$

- A) -48 B) -24 C) 4 D) 24 E) 48

54

$$x, y \in \mathbb{Z}$$

$$2 < \frac{x+2}{2} < 3 < y - x < 5$$

$$x + y = ?$$

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

55

$$|x + 5| + |y| = y$$

$$|1 + |2 - y|| = 7$$

$$x + y = ?$$

- A) -13 B) -3 C) 3 D) 8 E) 13



56

$$a \cdot b < 0 < a - b < c + b$$

$$? < ? < ?$$

- A) $b < a < c$ B) $a < b < c$ C) $b < c < a$
 D) $c < b < a$ E) $c < a < b$

57

$$\begin{array}{r} ABA \\ \times 2 \\ \hline 109 \end{array}$$

$$\begin{array}{r} BA \\ \times B \\ \hline xyz \end{array}$$

$$x + y + z = ?$$

- A) 8 B) 9 C) 10 D) 11 E) 12

58

$$(a + b)^2 = 8ab$$

$$3a - 4b = 3$$

$$a \cdot b = ?$$

- A) 3 B) 9 C) $\frac{9}{2}$ D) $\frac{3}{2}$ E) 12

59

$$\sqrt{a} - \sqrt{b} = \sqrt{c + 4}$$

$$\sqrt{a} + \sqrt{b} = \sqrt{c + 8}$$

$$\sqrt{ab} = \sqrt{c}$$

$$a + b = ?$$

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

60

$$2^a \phi \sqrt{b} = a^2 + ab$$

$$64 \phi 3 = ?$$

- A) 80 B) 86 C) 90 D) 94 E) 100

61

$$2xz + 3yz = 0$$

$$5xy - 2xz = 0$$

$$x \neq z$$

$$x + y - z = 12$$

$$z = ?$$

- A) -10 B) -5 C) 0 D) 5 E) 10



62

$$f(x+3) - f(x+1) = x^2 + a$$

$$f(4) - f(0) = 7$$

a = ?

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

63

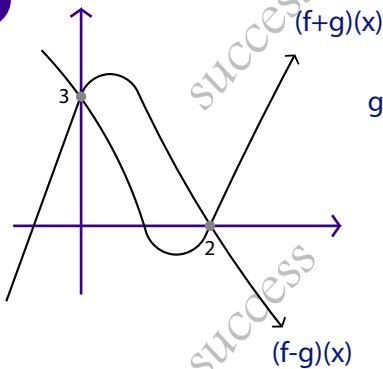
$$f(9x-a) = 10a - 81x$$

$$f(-1) = 14$$

a = ?

- A) 2 B) 5 C) 14 D) 20 E) 22

64

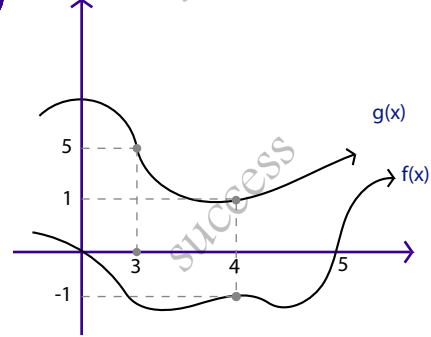


$$g(x) = ax^2 + bx + c$$

$$\frac{a}{b} = ?$$

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

65

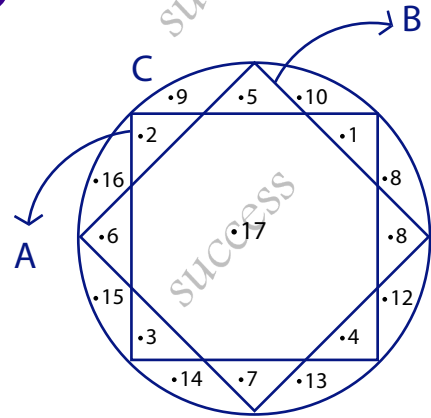


$$(f+g)(a) = f(g(b)) = 0$$

$$b - a = ?$$

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

66

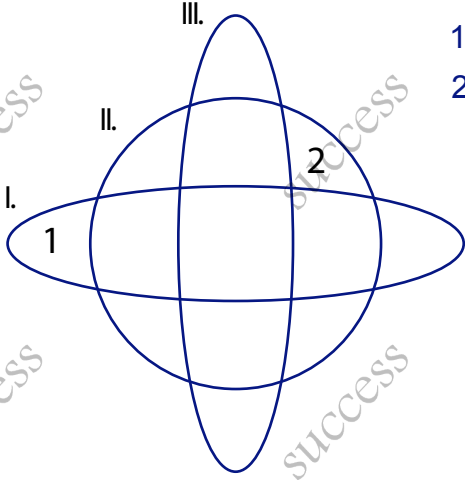


$$(A \cap B) \cup ((C / A) / (C / B)) = ?$$

- A) {17} B) {5, 6, 7, 8, 17} C) {5, 6, 7, 8}
D) {1, 2, 3, 4} E) {8, 9, 10, 12, 13}



67



$$1 \notin B$$

$$2 \notin (A \cup B)$$

I, II, ve III nedir?

- | | I. | II. | III. |
|----|----|-----|------|
| A) | a | c | b |
| A) | c | a | b |
| A) | a | b | c |
| A) | c | b | a |
| A) | b | c | a |

68

$$p(x) = ax^2 + x + b$$

$$p(x) = (x - 1)Q(x) + 5$$

$$Q(0) = 3$$

$$a \cdot b = ?$$

- A) 2 B) 3 C) 4 D) 6 E) 8

69

$$P(x) = (a - 1)x^3 + 2x^2 + b - a$$

$$Q(x) = (c - a)x^2 + a$$

$$P(x) = Q(x)$$

$$a + b + c = ?$$

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

70

$$B \subseteq C$$

$$(A) = [1, 2, 3, 4, 5, 6]$$

$$(B) = [7, 8]$$

$$(A \cap C) \cup B = [1, 4, 6, 7, 8]$$

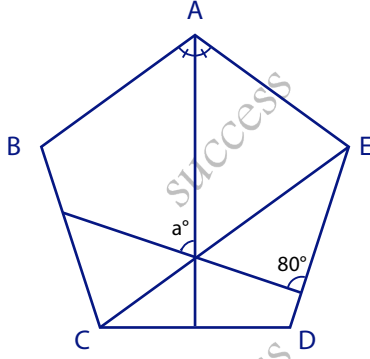
$$(A / C) = ?$$

- A) (2, 3, 5) B) (3, 5, 6, 9) C) (5, 6)
- D) (1, 2, 6) E) (3, 5, 6, 7)



71

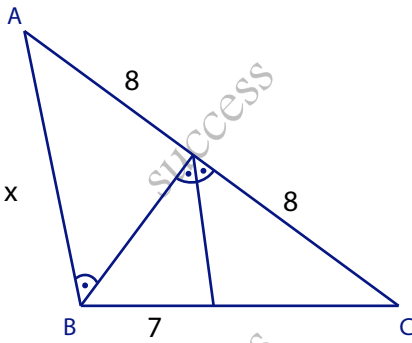
ABCD düzgün beşgen olduğuna göre, a kaç derecedir?



- A) 48 B) 52 C) 62 D) 70 E) 80

72

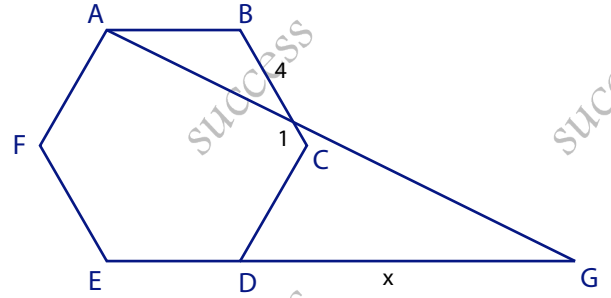
x kaçtır?



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

73

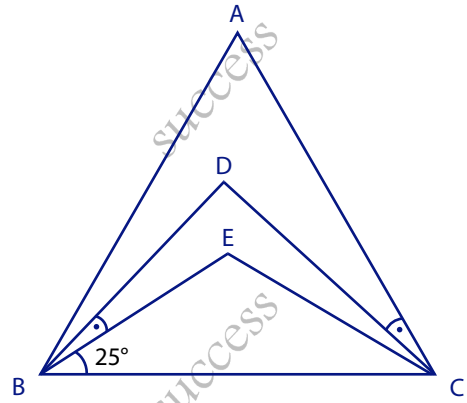
ABCDEF düzgün altıgen, $|DG| = x$ olduğuna göre, x kaçtır?



- A) $\frac{25}{2}$ B) $\frac{25}{4}$ C) 11 D) 5 E) 8

74

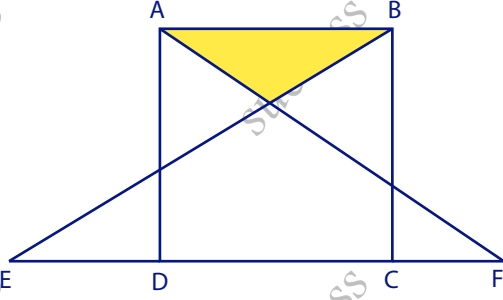
ABC Eşkenar üçgendir, $|BE| = |EC|$ olduğuna göre, BDC açısı kaç derecedir?



- A) 80 B) 90 C) 95 D) 100 E) 125

75

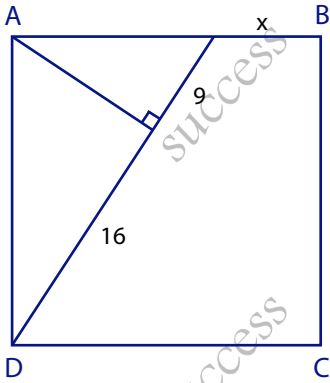
ABCD Karedir
 $|ED| = |DC| = 2|FC| = 28$
 Buna göre taralı alan kaç cm^2 'dir?



- A) 110 B) 112 C) 114 D) 116 E) 118

76

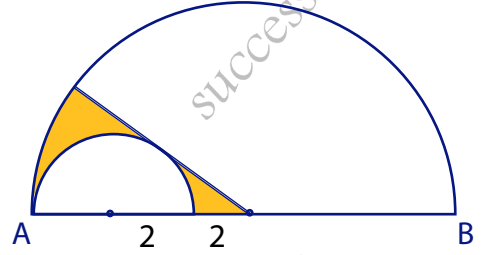
ABCD kare
 $x = ?$



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

77

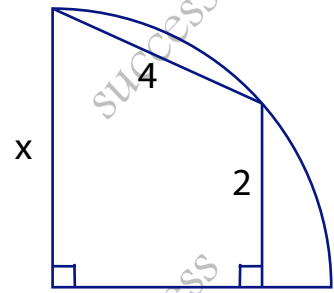
Aşağıda iki tane yarım çember var
 olduğuna göre,
 Taralı alan kaç cm^2 'dir?



- A) $\frac{\pi}{2}$ B) $\frac{\pi}{4}$ C) π D) 2π E) 3π

78

Aşağıdaki şekil çeyrek daire olduğuna göre,
 x kaçtır?

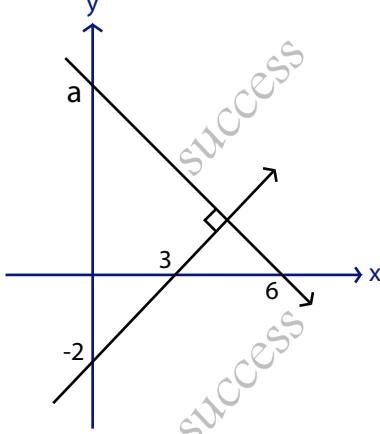


- A) 3 B) 4 C) 5 D) 6 E) 8



79

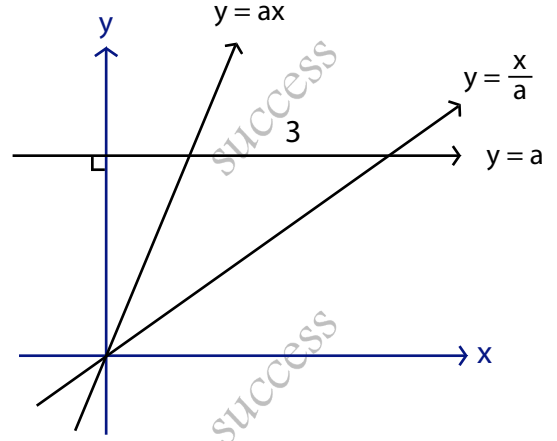
a kaçtır?



- A) 8 B) 9 C) 10 D) 11 E) 12

80

a kaçtır?



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