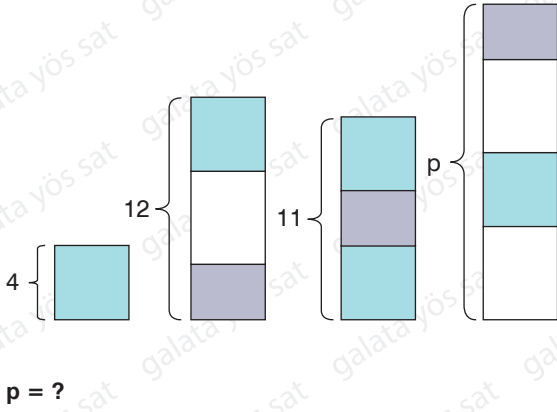


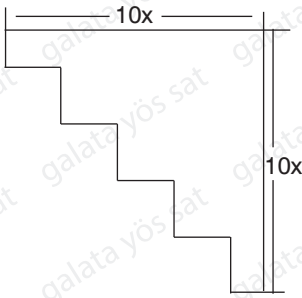
1.



$p = ?$

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

2.

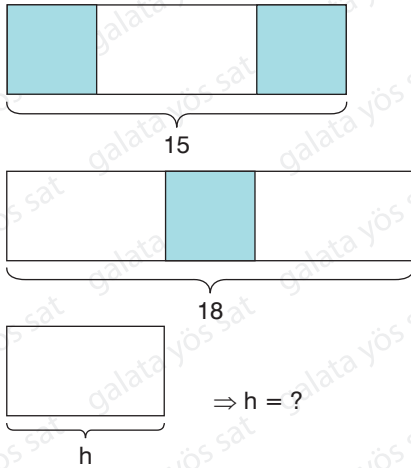


Yukarıdaki şeklin çevresi kaç  $x$ ' dir?

What is the perimeter of the figure above, in unit of  $x$ ?

- A) 36    B) 38    C) 40    D) 48    E) 50

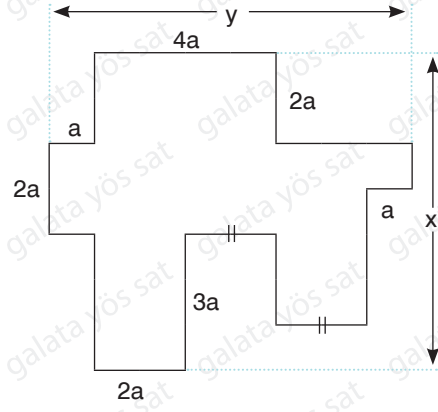
3.



$\Rightarrow h = ?$

- A) 6    B) 7    C) 8    D) 9    E) 11

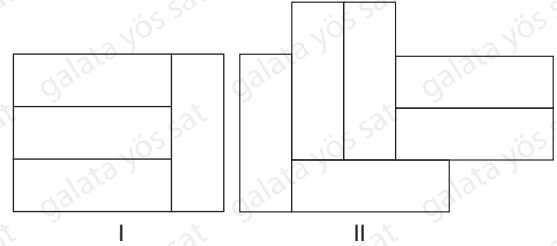
4.



$2x - y = ? a$

- A) 5    B) 6    C) 7    D) 9    E) 10

5.



Çevre (I) = 56 br

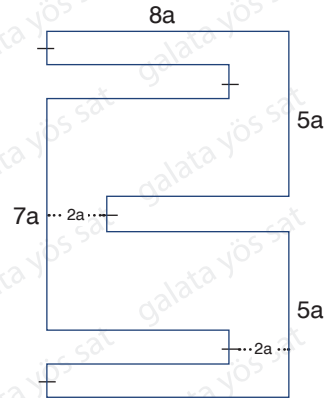
Perimeter (I) = 56 u

Çevre (II) = ? br

Perimeter (II) = ? u

- A) 60    B) 64    C) 72    D) 80    E) 84

6.



Çevre = ? a

Perimeter = ? a

- A) 70    B) 72    C) 74    D) 76    E) 78

1 - E

2 - C

3 - B

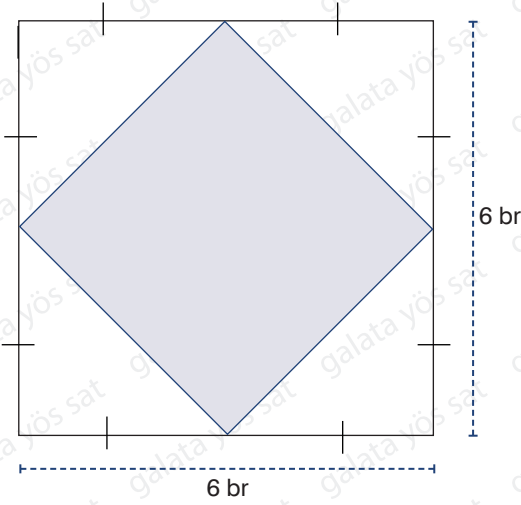
4 - B

5 - D

6 - C



1.

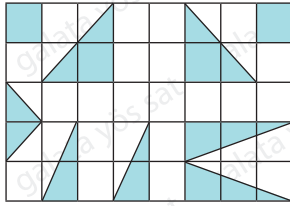


Şekildeki taralı alan kaç  $br^2$ 'dir?

What is the shaded area of the figure, in  $u^2$ ?

- A) 12 B) 18 C) 20 D) 24 E) 25

2.

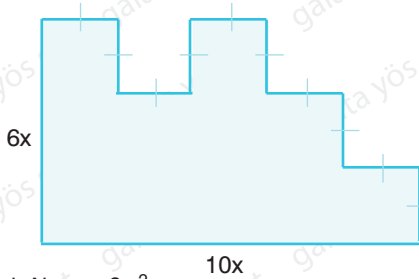


Şeklin kaçta kaç taralıdır?

What ratio of the figure is shaded?

- A)  $\frac{1}{8}$  B)  $\frac{1}{5}$   
D)  $\frac{3}{8}$  E)  $\frac{7}{20}$

3.

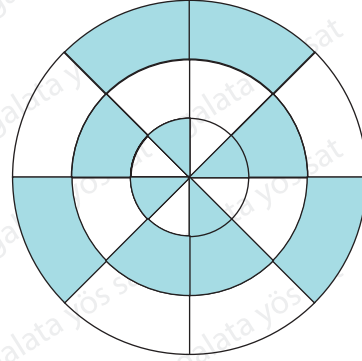


Taralı Alan = ?  $x^2$

Shaded Area = ?  $x^2$

- A) 36 B) 40 C) 44 D) 48 E) 52

4.

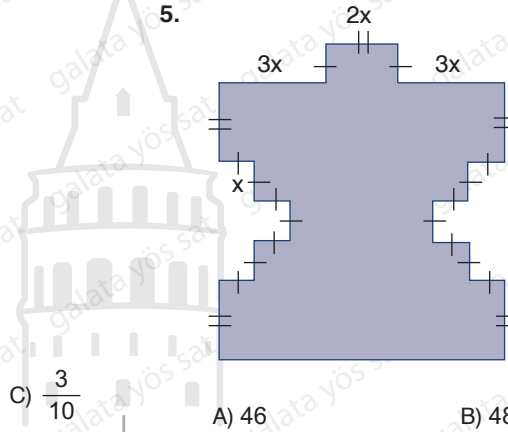


$\frac{\text{Taralı Alan}}{\text{Toplam Alan}} = ?$

$\frac{\text{Shaded Area}}{\text{Total Area}} = ?$

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

5.

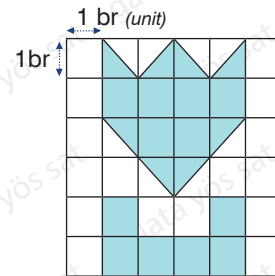


Taralı Alan = ?  $x^2$

Shaded Area = ?  $x^2$

- A) 46 B) 48 C) 50  
D) 52 E) 54

6.



Taralı Alan = ?  $br^2$

Shaded Area = ?  $u^2$

- A) 12 B) 14 C) 16  
D) 18 E) 20

1 - B

2 - C

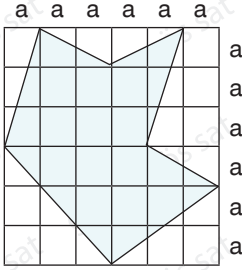
3 - C

4 - D

5 - C

6 - C

7.



Taralı Alan = ?  $a^2$

Shaded Area = ?  $a^2$

A) 18

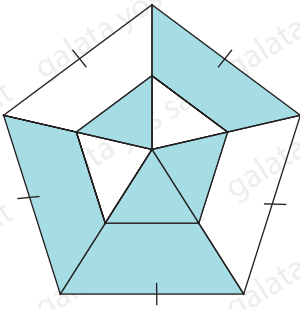
B) 18,5

C) 19

D) 19,5

E) 20

8.



Şeklin yüzde kaç taralıdır ?

What percent of the figure is shaded ?

A) 40

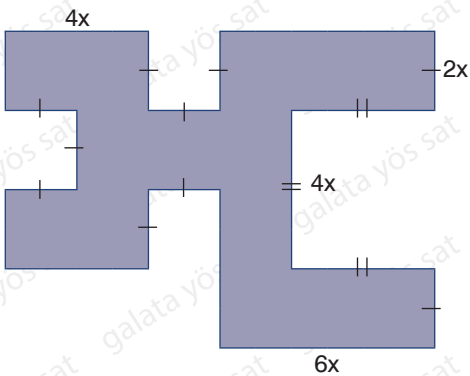
B) 45

C) 50

D) 55

E) 60

9.



Taralı Alan = ?  $x^2$

Shaded Area = ?  $x^2$

A) 54

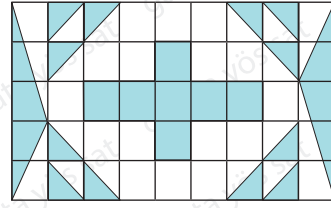
B) 56

C) 58

D) 60

E) 64

10.



Şeklin yüzde kaç gölgelidir?

What percent of the figure is shaded?

A) 20

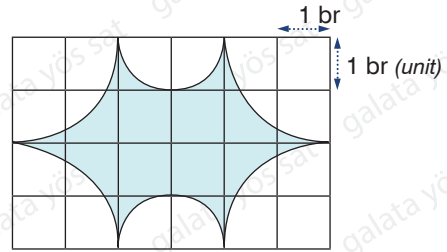
B) 25

C) 30

D) 40

E) 50

11.



( $\pi = 3$ )

Taralı Alan = ?  $br^2$

Shaded Area = ?  $u^2$

A) 6

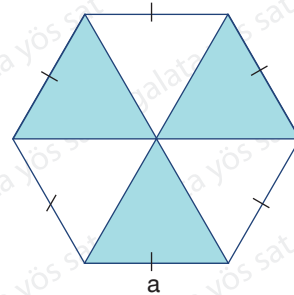
B) 8

C) 9

D) 10

E) 12

12.



Taralı Alan = ?  $a^2$

Shaded Area = ?  $a^2$

A)  $\frac{\sqrt{3}}{4}$

B)  $\frac{\sqrt{3}}{2}$

C)  $\frac{3\sqrt{3}}{4}$

D)  $\sqrt{3}$

E)  $\frac{9\sqrt{3}}{4}$

7 - D

8 - E

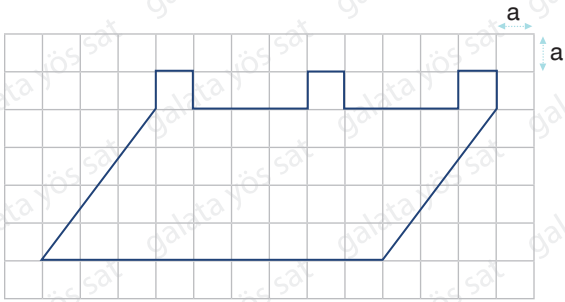
9 - B

10 - D

11 - C

12 - C

1.

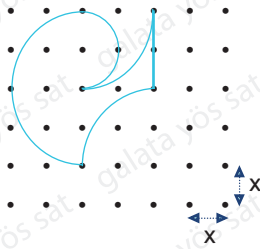


Çevre = ? a

Perimeter = ? a

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

2.

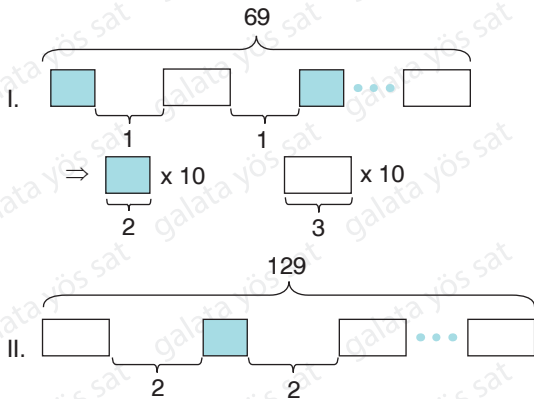


Çevre = ? x

Perimeter = ? x

- A)  $6\pi$     B) 16    C)  $6\pi + 2$     D)  $5\pi + 2$     E)  $8\pi - 2$

3.



Kaç beyaz kutu vardır?

How many white boxes are there?

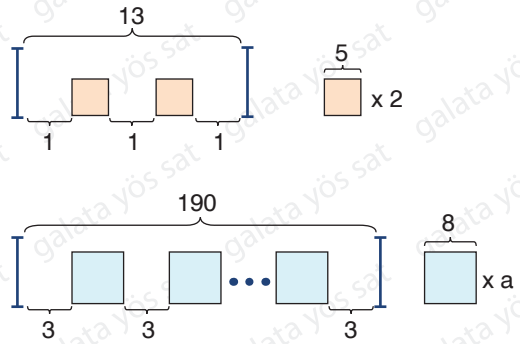
- A) 16    B) 15    C) 14    D) 13    E) 12

1 - D

2 - D

3 - B

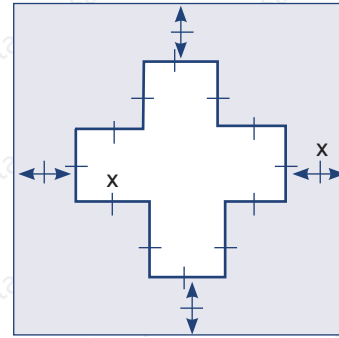
4.



$\Rightarrow a = ?$

- A) 16    B) 17    C) 18    D) 19    E) 20

5.

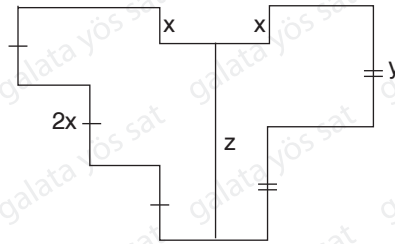


Çevre = ? x

Perimeter = ? x

- A) 25    B) 30    C) 32    D) 40    E) 45

6.



$\Rightarrow y+z = ? x$

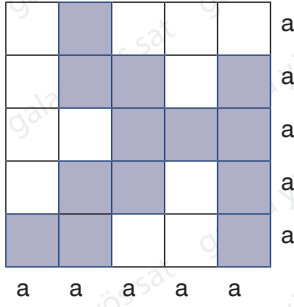
- A) 7    B) 8    C) 9    D) 10    E) 11

4 - B

5 - C

6 - B

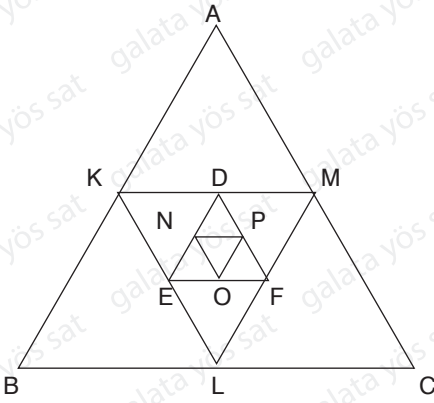
7.



Çevre = ? a

Perimeter = ? a

- A) 25    B) 26    C) 27    D) 28    E) 30



Yukarıdaki şekilde eşkenar üçgenler gösterilmiştir. Her üçgenin kenarlarının orta noktaları alınarak sıradaki üçgen oluşturuluyor.

Bu özelliğe göre, 8. ve 9. soruları cevaplayınız.

Equilateral triangles are shown in the figure above. The next triangle is formed by taking the midpoints of the sides of each triangle.

Accordingly, answer questions 8 and 9.

8. ABC üçgeninin bir kenar uzunluğu 48cm ise 5. olarak oluşan üçgenin çevresi kaç cm'dir?

If the length of one side of triangle ABC is 48 cm, what is the perimeter of the 5th triangle formed?

- A) 6    B) 8    C) 9    D) 12    E) 18

7 - D

8 - C

9. ABC üçgeninin çevresi 192cm ise 6. olarak oluşan üçgenin alanı kaç  $cm^2$ 'dir?

If the perimeter of triangle ABC is 192 cm, how many  $cm^2$  is the area of the 6th triangle formed?

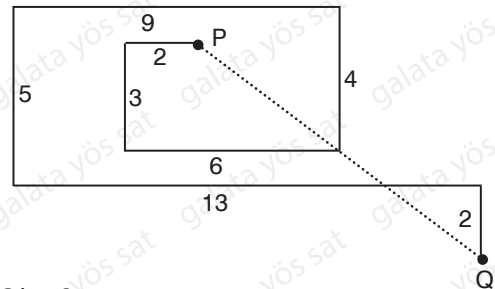
- A)  $\sqrt{3}$     B)  $2\sqrt{3}$     C) 4    D) 6    E)  $3\sqrt{3}$

10.



- A) 6    B) 8    C) 9    D) 12    E) 18

11.



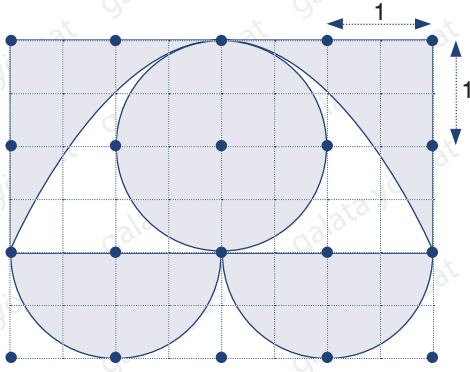
|PQ| = ? cm

- A) 5    B) 7    C) 8    D) 10    E) 15

10 - D

11 - D

1.

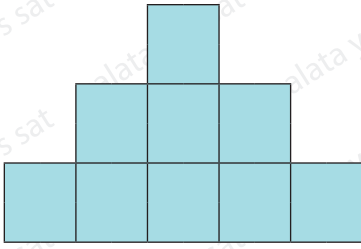


Taralı Alan = ? br<sup>2</sup>

Shaded Area = ? u<sup>2</sup>

- A) 4π      B) 8-π      C) 8  
D) 4+2π      E) 4+π

2.

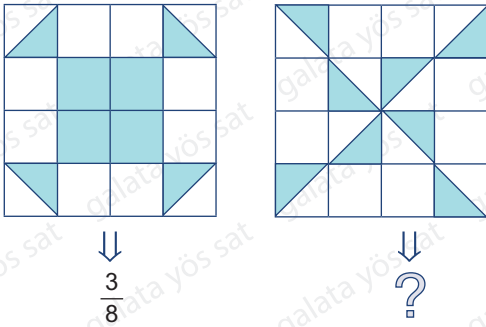


Yukarıdaki şeklin çevresi 48 br olduğuna göre, bu şeklin alanı kaç br<sup>2</sup> dir ?

If the perimeter of the figure is 48 u, what is the area of this figure, in u<sup>2</sup>?

- A) 36      B) 72      C) 81      D) 90      E) 96

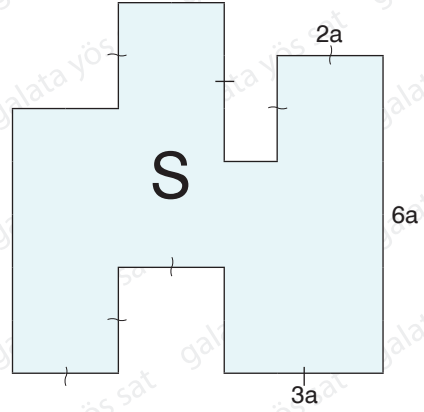
3.



- A)  $\frac{1}{4}$       B)  $\frac{3}{16}$       C)  $\frac{1}{8}$   
D)  $\frac{5}{16}$       E)  $\frac{5}{32}$

1 - C      2 - C      3 - A

4.

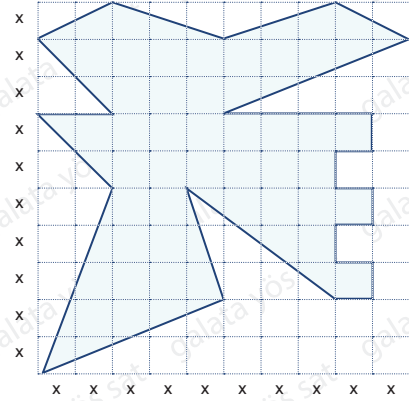


Alan (S) = ? a<sup>2</sup>

Area (S) = ? a<sup>2</sup>

- A) 32      B) 34      C) 36      D) 38      E) 40

5.

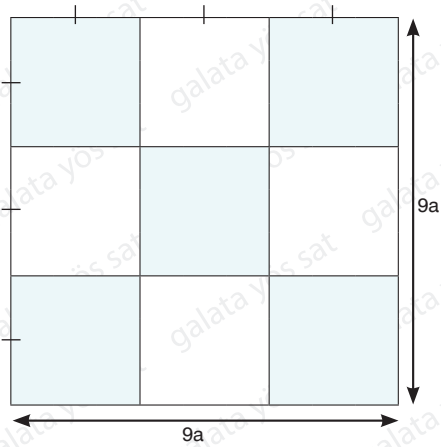


Taralı Alan = ? x<sup>2</sup>

Shaded Area = ? x<sup>2</sup>

- A) 53      B) 53,5      C) 54      D) 54,5      E) 55

6.



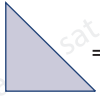
Taralı Alan = ? a<sup>2</sup>

Shaded Area = ? a<sup>2</sup>

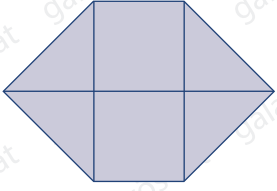
- A) 30      B) 36      C) 45      D) 54      E) 65

4 - C      5 - D      6 - C

7.



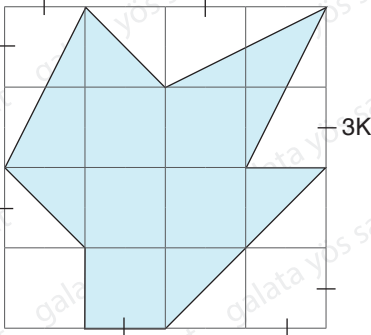
= A



= ? A

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

8.

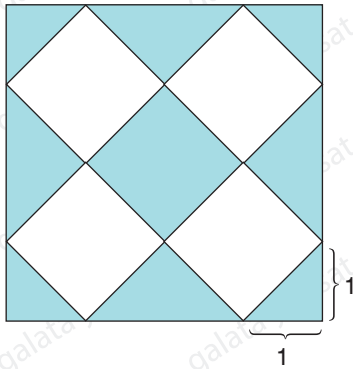


Taralı Alan = ? K<sup>2</sup>

Shaded Area = ? K<sup>2</sup>

- A) 54      B) 63      C) 72      D) 75      E) 81

9.

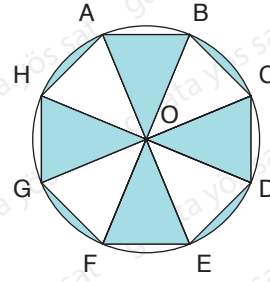


Karenin yüzde kaç boyalıdır?

What percent of the square is shaded?

- A) 30      B) 36      C) 40      D) 45      E) 50

10.



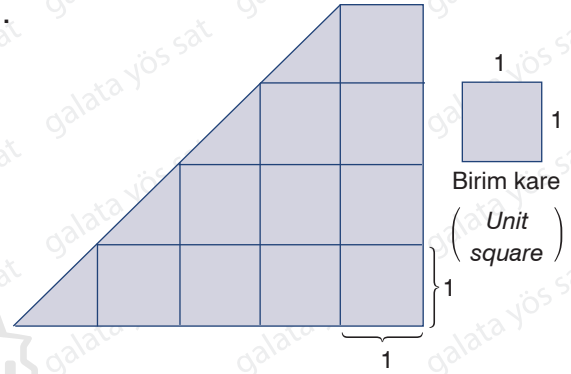
O : Merkez / O : center

|AE| =  $6\sqrt{2}$  br (u)

Taralı Alan = ? br<sup>2</sup> / Shaded Area = ? u<sup>2</sup>

- A)  $6\pi$       B)  $8\pi$       C)  $9\pi$       D)  $12\pi$       E)  $16\pi$

11.

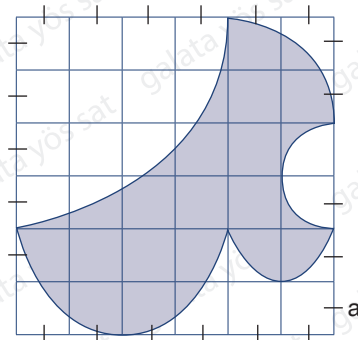


Yukarıdaki şekli kaplamak için kaç birim kare kullanılmıştır?

How many unit squares are used to cover the figure above?

- A) 9      B) 10      C) 12      D) 14      E) 15

12.



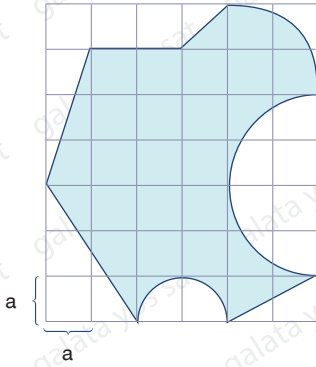
Taralı Alan = ? a<sup>2</sup>

Shaded Area = ? a<sup>2</sup>

- A) 18      B)  $20-\pi$       C)  $6\pi$       D)  $24-2\pi$       E)  $16+\pi$



1.

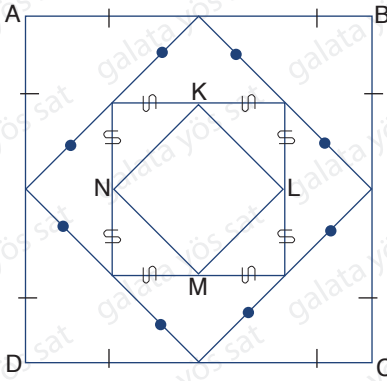


Taralı Alan = ?  $a^2$

Shaded Area = ?  $a^2$

- A)  $24 + \frac{5\pi}{2}$       B)  $5\pi$       C)  $27 - \frac{3\pi}{2}$   
 D)  $29 - \frac{3\pi}{2}$       E) 25

2.



ABCD ve KLMN karedir.

ABCD and KLMN are squares.

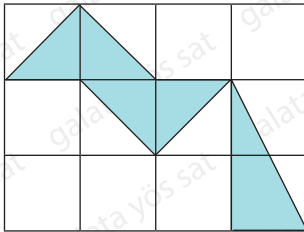
$|AB| = 16$  cm

Çevre (KLMN) = ? cm

Perimeter (KLMN) = ? cm

- A) 8      B)  $8\sqrt{2}$       C) 16      D)  $16\sqrt{2}$       E) 32

3.



Şeklin yüzde kaçı boyalıdır ?

What percent of the figure is shaded ?

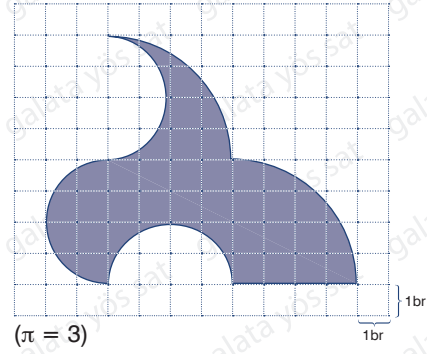
- A) 15      B) 20      C) 25      D) 30      E) 35

1 - D

2 - D

3 - C

4.

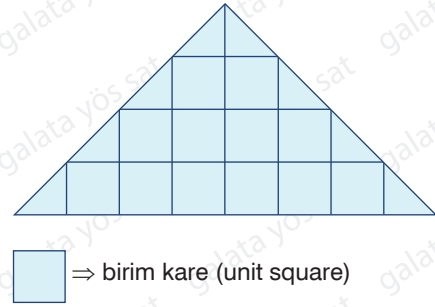


Çevre = ? br

Perimeter = ? u

- A) 32      B) 34      C) 36      D) 38      E) 40

5.

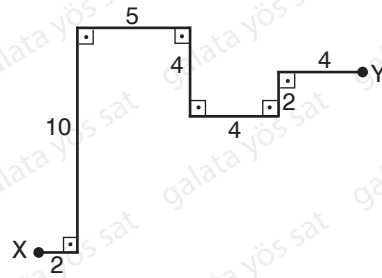


Yukarıdaki şekli kaplamak için kaç birim kare kullanılmıştır?

How many unit squares are used to cover the figure above?

- A) 12      B) 14      C) 16      D) 18      E) 20

6.



X ile Y arasındaki en kısa uzaklık kaç  $br^2$ 'dir?

What is the shortest distance between X and Y, in  $u^2$ ?

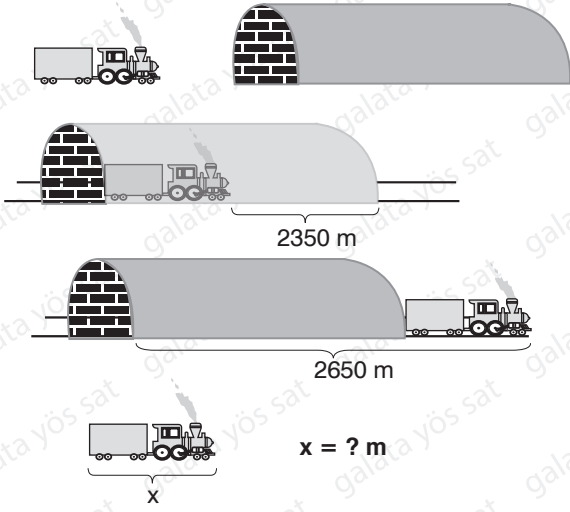
- A) 7      B) 10      C) 13      D) 15      E) 17

4 - B

5 - C

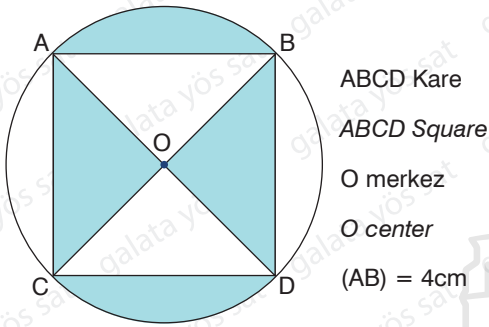
6 - E

7.



- A) 100 B) 150 C) 200 D) 250 E) 300

8.

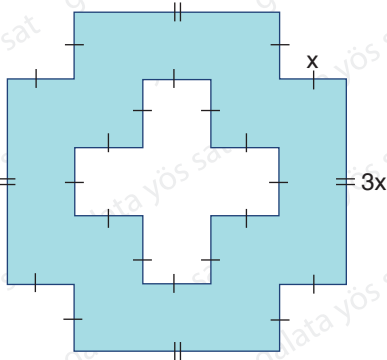


Taralı Alan = ?  $cm^2$

Shaded Area = ?  $cm^2$

- A)  $2\pi$  B) 12 C)  $8+2\pi$  D)  $4\pi$  E)  $8\pi-8$

9.



Çevre = ? x

Perimeter = ? x

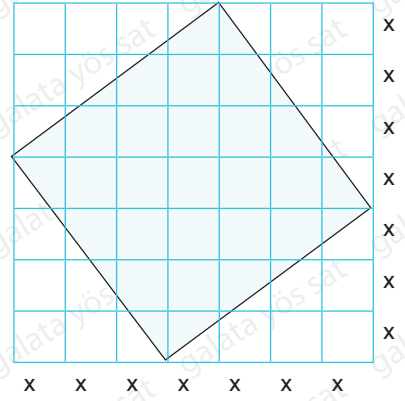
- A) 28 B) 32 C) 36 D) 40 E) 44

7 - B

8 - D

9 - B

10.

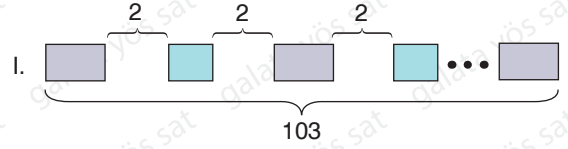


Taralı Alan = ?  $x^2$

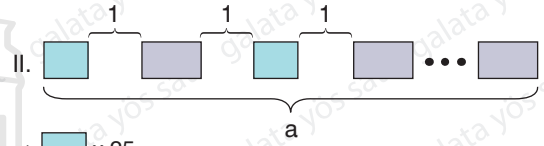
Shaded Area = ?  $x^2$

- A) 20 B) 21 C) 24 D) 25 E) 28

11.



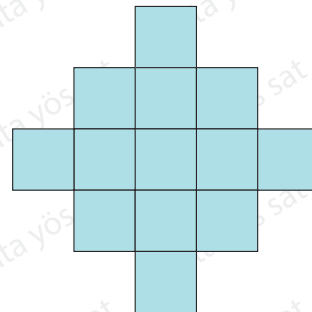
$$\Rightarrow \underbrace{\square}_{4} \times 10 \quad \underbrace{\square}_{3} \times 9$$



a = ?

- A) 221 B) 222 C) 223 D) 224 E) 225

12.



Yukarıdaki şeklin alanı  $52 u^2$  dir. Buna göre, şeklin çevresi kaç br dir?

The area of the figure is  $52 u^2$ . Accordingly, what is the perimeter of the figure, in u?

- A) 36 B) 40 C) 44 D) 48 E) 50

10 - D

11 - D

12 - B