

CW
26/12/2021
Sunday

Chapter 14

Perimeter and area Worksheet

Date _____
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A. Fill in the blanks.

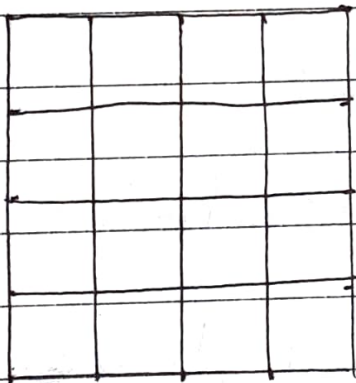
1. The length of the boundary of a closed figure is called its Perimeter.
2. A square is a figure in which all sides are equal.
3. Rectangle is a closed figure having equal opposite sides.
4. Perimeter of a square = 4 × length of its ~~one~~ side.
5. The surface enclosed by a 2-D or plane figure is known as its Area.

B. Do as directed

6. Find the perimeter of a triangle in which all sides are 7 cm.

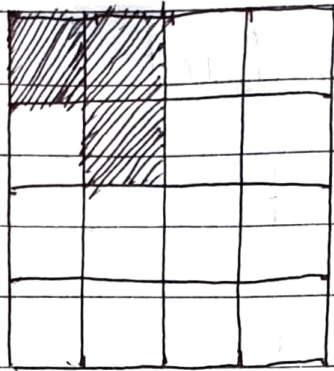
Ans-
$$\begin{aligned} \text{Perimeter} &= 7 + 7 + 7 \\ &= 3 \times 7 \\ &= 21 \text{ cm} \end{aligned}$$

7. Find the area of the above figure if each square has an area of 1 sq. cm.



Ans- $16 \times 1 \text{ sq. cm.} = 16 \text{ sq. cm.}$

8. Find the area of shaded region
inf. each square has an area
of 1 sq. cm



Ans- 3 sq. cm.

9. Find the perimeter of the rectangle
whose length is 7 cm and breadth
is 4 cm

Ans- Length = 7 cm; Breadth = 4 cm

$$\begin{aligned} \text{Perimeter} &= 2 \times (\text{length} + \text{Breadth}) \\ &= 2 \times (7 + 4) \end{aligned}$$

$$= 2 \times 11$$

$$= 22 \text{ cm}$$

10. Find the perimeter of the square whose side is 13 m

Ans- Perimeter = $4 \times$ length of one side

$$= 4 \times 13$$

$$= 52 \text{ m}$$

C. Solve the following questions

11. The length of a floor is 70 m and its breadth is 40 m. Find the perimeter of the floor

Ans- Length = 70 m; Breadth = 40 m

$$\text{Perimeter} = 2 \times (\text{Length} + \text{Breadth})$$

$$= 2 \times (70 + 40)$$

$$= 2 \times 110$$

$$= 220 \text{ m}$$

\therefore The Perimeter of the floor is 220m

19. A square shaped garden is of length 75 m. How much wire will be required ~~to~~ for fencing around it thrice? Also write the important of plant in our life

Ans - Length of one side = 75 m

Perimeter = $4 \times$ length of one side

$$= 4 \times 75$$

$$= 300 \text{ m}$$

Length of wire needed to fence it thrice

$$= 300 \times 3$$

$$= 900 \text{ m}$$

∴ 900 m wire needed to fence it thrice.

and Plant is important for us because

it gives us oxygen, wood, Jute, ~~cotton~~

~~and~~ and cotton.

13. A cloth is 8 m long and 5 m wide.

If Leena wants to lace it around,

how much lace is required

Ans- Length = 8 m ; Breadth = 5 m

$$\text{Perimeter} = 2 \times (\text{Length} + \text{Breadth})$$

$$= 2 \times (8 + 5)$$

$$= 2 \times 13$$

$$= 26$$

\therefore 26 m cloth is required to
~~for~~ lace it around

14. Write the formulas to find the perimeter of square, rectangle and triangle

Ans- Formula ~~for~~ for finding the perimeter of square :-

- Perimeter of a square = $4 \times$ length of one side

Formula for finding the perimeter of Rectangle :-

- Perimeter of Rectangle = $2 \times (\text{length} + \text{breadth})$

Breadth)

Formula for finding the perimeter of

Triangle:-

- Perimeter of a triangle = Sum of length of all three sides

15. A triangular field has its sides of length 130 m, 110 m and 90 m respectively. Calculate the distance travelled by a woman if he goes around the field twice.

Ans- ~~Perimeter of the triangular field~~²

Length of the sides = 130 m, 110 m, 90 m

Perimeter = Sum of all the sides

$$\text{Perimeter} = 130 + 110 + 90$$

$$= 240 + 90$$

$$= 330 \text{ m}$$

Distance covered by the women

$$= 330 \times 2$$

$$= 660 \text{ m}$$

∴ 660 m Distance covered by the women