



∴ Perimeter and Area :-

(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 x length of one side.

(5) The surface enclosed by a 2-D or plane figure is known as its area.

(B) DO AS DIRECTED :-

(b) Find the perimeter of a triangle in which all sides are 7 cm.

Ans- 7cm = Side = 7cm

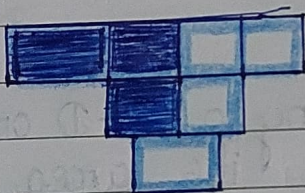
$$\begin{aligned} \text{Perimeter} &= AB + BC + CA \\ &= 7 + 7 + 7 \\ &= 21 \text{ cm} \end{aligned}$$

- (7) Find the area of the figure if each square has an area of 1 sq. cm .



Area
 $16 \text{ sq. cm. } (16 \text{ cm}^2)$

- (8) Find the area of the shaded region if each square has an area of 1 sq. cm :-



Area :- $3 \text{ sq. cm } (3 \text{ cm}^2)$

- (9) Find the perimeter of the rectangle whose length is 7 cm and breadth is 4 cm :-

Length = 7 cm , Breadth = 4 cm

Ans- Length = 7 cm , Breadth = 4 cm

$$\begin{aligned} \text{Perimeter} &= 2 \times (\text{length} + \text{breadth}) \\ &= 2 \times (7 + 4) \\ &= 2 \times 11 \\ &= 22 \text{ cm} \end{aligned}$$

(10) Find the perimeter of the square whose side is 13m

Ans- $13 \text{ m} = \text{Length of one side} = 13 \text{ m}$
Perimeter = $4 \times \text{length of one side}$
 $= 4 \times 13$
 $= 52 \text{ m}$

(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- The length and breadth is given, so it is a rectangle floor.

Perimeter of a rectangle floor, Length = 70 m,
breadth = 40 m.

$$\begin{aligned} \text{Perimeter} &= 2 \times (\text{length} + \text{breadth}) \\ &= 2 \times (70 + 40) \\ &= 2 \times 110 \\ &= 220 \text{ m} \end{aligned}$$

∴ Perimeter of the floor = 220 m.



(12) A square shaped garden is of 75 m. How much wire will be required for fencing around it thrice? Also write the importance of plant in our life.

Ans- It is a square shaped garden.

$$\begin{aligned}\text{So the perimeter of the square garden} &= \\ &= 4 \times (\text{length of one side}) \\ &= 4 \times 75 \\ &= 300 \text{ m}\end{aligned}$$

If the wire will be required for fencing around it thrice = $300 \text{ m} \times 3 = 900 \text{ m}$

∴ The wire will be required for fencing 900 m around it thrice.

Plants absorb carbon dioxide and release oxygen from their leaves, which humans and other animals need to breathe.

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