

Unit 9 - Area and Perimeter

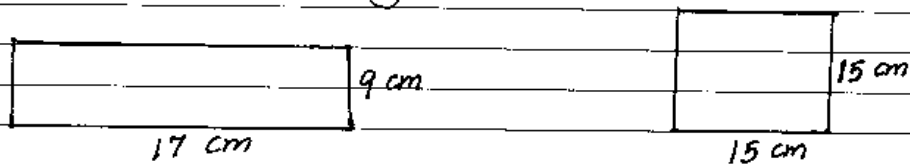
Fill in the blanks

1. _____ is the distance around the edge of a figure.
2. _____ is the amount of surface a figure covers.
3. Perimeter of a rectangle = $2 \times (\text{_____} + \text{_____})$
4. Perimeter of a square = $4 \times \text{_____}$
5. Area of a rectangle = $\text{_____} \times \text{_____}$
6. Area of a square = $\text{_____} \times \text{_____}$
7. Length of the rectangle = $\text{Area} \div \text{_____}$
8. Breadth of the rectangle = $\text{_____} \div \text{Length}$
9. _____ is always measured in square units.
10. A square with 1 cm sides is a _____
11. A _____ with 1 metre sides is a square metre.
12. A square with _____ sides is a square kilometre.
13. Side of a square = $\text{Perimeter} \div \text{_____}$

14. Perimeter of a square having side 1 cm is _____
15. Area of a square having side 1 cm is _____
16. Perimeter of a square having side 3 cm is _____
17. Area of a square having side 2 m is _____
18. Area of rectangle whose length is 3 cm and breadth is 2 cm is _____

II. Do the following

1. Find the perimeter of the following figures by using the formula.



2. Find the perimeter of the rectangles whose sides are given below.
- a. length = 85 cm breadth = 14 cm
- b. length = 150 cm breadth = 100 cm
- c. length = 7 m breadth = 12 m

3 Find the side of the rectangles with the given measures.

a) Area = 96 sq. cm, length = 12 cm
Breadth = ?

b) Area = 72 sq. cm, breadth = 8 cm
Length =

c) Area = 805 sq. m, length = 35 m
Breadth = ?

d) Area = 156 sq. cm, breadth = 12 cm
Length = ?

III Do as directed.

1. A square field has a perimeter of 580 m. What is its area?

2. Sapna jogs around a square park whose side is 60 m. One day she jogged around the park 6 times. How much did she jog in all?

3. Raj has a rectangular backyard that is 54 m wide and 63 m long. How much fencing will he need to enclose the yard? IF fencing costs ₹ 85 per metre, how much will he have to pay?

4. A square picture has a frame of 500 cm. What is the length of each side?

3 Find the area of the rectangles whose sides are given below.

a length = 24 cm breadth = 9 cm

b length = 15 cm breadth = 12 cm

c length = 50 m breadth = 30 m

4. Find the area and perimeter of the squares with the following sides.

a) 72 cm b) 65 m c) 43 cm

d) 25 cm e) 30 m f) 92 cm

5. Find the side of these squares with the given perimeter.

a perimeter = 248 cm

b Perimeter = 616 cm

c Perimeter = 440 m

6. Find the area of the following figures.

