

Subject: Mathematics

Class: 4

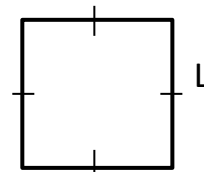
Unit: 8

Topic: Area

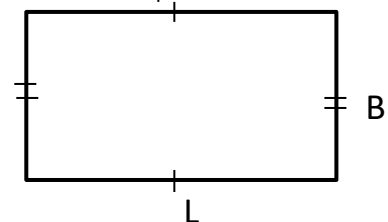
- 1. Specific objectives:** At the end of this learning activities students will be able to calculate the area of rectangle and square by applying formula.
- 2. Materials:** Daily use teaching materials.

Important points to remember are as follows

This figure is square
So, Area of square = L^2 (Length)²

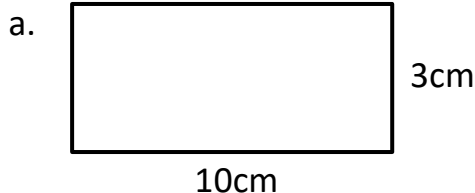


This figure is rectangle
So, Area of rectangle = $L \times B$ (Length \times Breadth)



For example

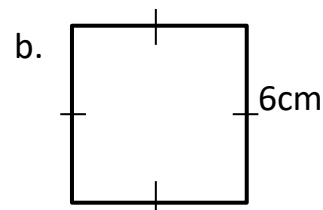
Find the areas of the following figures.



Solution

Given figure is rectangle
Length of the rectangle (l) = 10cm
Breadth of the rectangle (b) = 3cm
The area of rectangle (A) = $L \times B$
 $= 10\text{cm} \times 3\text{cm}$
 $= 30\text{ cm}^2$

\therefore The area of rectangle is 30 cm^2



solution

Given figure is square
Length of the square (l) = 6cm
The area of square (A) = L^2
 $= (6\text{cm})^2$
 $= 36\text{ cm}^2$

\therefore The area of a square is 36 cm^2

3. Homework:

- Find the areas of the squares having
 - Side(l) = 5cm
 - Side(l) = 17cm
 - Side(l) = 29cm
- Find the areas of the rectangles having

a. Length(l) = 11cm and breadth(b) = 2cm

b. Length(l) = 6cm and breadth(b) = 5cm

3. Find the areas of the following figures.

