

9. Perimeter of a classroom = 42 m
Length of the classroom = 12 m
Breadth of the classroom = Perimeter
= 42 m

$$P = 2 \times (b + l)$$
$$= 2 \times (b + 12)$$

$$42 = 2b + 24$$

$$2b = 42 - 24$$

$$= 18$$

$$b = \frac{18}{2} = 9 \text{ m}$$

$$L = 12 \text{ m } B = 9 \text{ m}$$

$$L \times B$$

$$= 12 \times 9 \text{ m}$$

$$= 108 \text{ sq. m}$$

10. $p = 1 \text{ m} = 100 \text{ cm}$

$$P = 100 \text{ cm}$$

$$4 \times \text{side} = P$$

$$\text{side} = \frac{P}{4} = \frac{100}{4} = 25 \text{ cm}$$

$$\text{Area} = 25 \times 25 \text{ cm}$$

$$= 625 \text{ sq. cm}$$