

Maths-7

Chapter 10: Perimeters and Area –Worksheet

A. Multiple Choice Questions (MCQs)

1. The perimeter of a rectangle is:

- A) $2(l + b)$ B) $l \times b$ C) $l^2 + b^2$ D) $l + b$

2. Area of a triangle is:

- A) $b \times h$ B) $1/2 \times b \times h$ C) $2(b+h)$ D) $b^2 - h^2$

3. The area of a square of side 6 cm is:

- A) 6 cm^2 B) 12 cm^2 C) 36 cm^2 D) 18 cm^2

4. The perimeter of a square of side 9 cm is:

- A) 18 cm B) 27 cm C) 36 cm D) 81 cm

5. 1 hectare = _____ sq. metres:

- A) 100 B) 1000 C) 10000 D) 100000

B. Fill in the Blanks

1. Perimeter is the _____ length of the boundary.

2. Area of rectangle = _____ \times breadth.

3. Area of square = side \times _____.

4. Area is measured in _____ units.

5. $1 \text{ m}^2 =$ _____ cm^2 .

C. Short Answer Questions

1. Find the perimeter of a rectangle whose length is 12 cm and breadth is 5 cm.
2. Find the area of a rectangle with length 9 cm and breadth 4 cm.
3. A square has side 11 cm. Find its perimeter.
4. Convert 5000 cm^2 into m^2 .
5. Find the area of a triangle whose base = 14 cm and height = 8 cm.

D. Word Problems

1. A farmer owns a square plot whose side is 50 m. Find its area.
2. A rectangular garden is 25 m long and 18 m wide. Find its perimeter.
3. A triangular field has base 40 m and height 25 m. Find its area.
4. A hall is 20 m long and 15 m wide. How much carpet is needed to cover the floor?
5. A square playground has a perimeter of 200 m. Find the length of one side.