

Worksheet – Area of Rectangle and Square

(To be solved in the notebook)

Exercise 1: Recall Formulas

1. Write the formula for the area of a rectangle.
2. Write the formula for the area of a square.
3. A square has a side of 12 cm. What is its area?
4. A rectangle has length 15 cm and breadth 8 cm. Find its area.
5. Which formula uses only one measurement: rectangle or square?

Exercise 2: Grid Counting

1. Count the number of squares inside a rectangle with length 6 cm and breadth 4 cm.
2. Count the number of squares in a square with side 5 cm.
3. A rectangle is drawn on a grid with 9 rows and 3 columns. What is its area?
4. A square is drawn with 7 rows and 7 columns. What is its area?
5. Compare: Which has more area, a rectangle of 6×8 or a square of side 7?

Exercise 3: Direct Calculations

1. Area of rectangle (L = 10 cm, B = 9 cm).
2. Area of square (Side = 15 cm).
3. Area of rectangle (L = 20 cm, B = 5 cm).
4. Area of square (Side = 18 cm).
5. Which is bigger: square of side 16 cm or rectangle of 20×12 cm?

Exercise 4: Real-Life Applications

1. The floor of a classroom is a rectangle, 12 m long and 8 m wide. Find its area.
2. A square garden has side 25 m. Find its area.
3. A book cover measures 30 cm \times 20 cm. What is its area?
4. A square tile has side 40 cm. What is its area?
5. Which is larger in area: a blackboard of 6 m \times 4 m or a square board of side 5 m?

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Exercise 5: Word Problems

1. A square window has side 2 m. Find its area.
2. A rectangular door is 2 m long and 1 m wide. Find its area.
3. A farmer has a rectangular plot of land 50 m \times 40 m. What is its area?
4. A square playground has side 60 m. Find its area.
5. Which is bigger: the plot (50 \times 40) or the square playground (60 \times 60)?

Exercise 6: Challenge Problems

1. A rectangle has the same area as a square of side 15 cm. If its length is 25 cm, find its breadth.
2. A square and a rectangle have equal areas. The square has side 12 cm and the rectangle has breadth 9 cm. Find its length.
3. Two squares have sides 10 cm and 14 cm. Compare their areas.
4. A rectangle has area 84 cm². If its breadth is 7 cm, find its length.
5. A square has area 196 cm². Find its side length.