

## Finding Area

### A. Choose the correct answer:

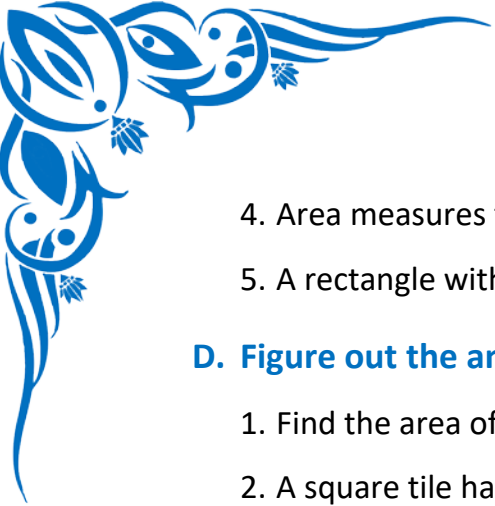
1. To find the area of a square, we multiply \_\_\_\_\_.  
(a) length  $\times$  breadth (b) side  $\times$  side  
(c) side  $\times$  2 (d) length + breadth
2. A rectangle has a length of 8 cm and a breadth of 3 cm. What is its area?  
(a) 24 cm<sup>2</sup> (b) 11 cm<sup>2</sup>  
(c) 16 cm<sup>2</sup> (d) 18 cm<sup>2</sup>
3. The area of a figure is measured in \_\_\_\_\_.  
(a) cm (b) m  
(c) cm<sup>2</sup> (d) liter
4. What will be the area of a square whose side is 5 cm?  
(a) 10 cm<sup>2</sup> (b) 20 cm<sup>2</sup>  
(c) 25 cm<sup>2</sup> (d) 15 cm<sup>2</sup>
5. If the length of a rectangle doubles, its area \_\_\_\_\_.  
(a) remains same (b) doubles  
(c) triples (d) halves

### B. Write the Missing Terms to Complete the Sentences:

1. Area tells us the amount of \_\_\_\_\_ a figure covers.
2. Area is measured in \_\_\_\_\_ units.
3. The area of a rectangle is found by multiplying \_\_\_\_\_ and \_\_\_\_\_.
4. A square with a side length of 9 cm has an area of \_\_\_\_\_ cm<sup>2</sup>.
5. A rectangle measuring 4 m by 5 m has an area of \_\_\_\_\_ m<sup>2</sup>.

### C. Mark each sentence with a True (✓) or False (X):

1. Area is always measured in square units. \_\_\_\_\_
2. If you double the sides of a square, the area becomes four times greater. \_\_\_\_\_
3. To find the area of a rectangle, we add length and breadth. \_\_\_\_\_



4. Area measures the length around a shape. \_\_\_\_\_
5. A rectangle with length 2 cm and breadth 3 cm has an area of 5 cm<sup>2</sup>. \_\_\_\_\_

**D. Figure out the answers to these questions:**

1. Find the area of a rectangle having a length of 7 cm and breadth of 6 cm.
2. A square tile has a side length of 3 cm. Find the area covered by 4 such tiles.
3. Draw a rectangle whose length is 8 cm and breadth is 2 cm. Calculate its area.
4. Explain why a bigger rectangle may not always have a greater area than a smaller rectangle.
5. Ria's drawing paper is rectangular and measures 12 cm by 10 cm. What is the area of her drawing paper?

**E. Challenge yourself with these questions:**

1. Find the area of a rectangle whose sides measure 9 cm and 4 cm.
2. If a square has an area of 36 cm<sup>2</sup>, find the length of each side.
3. A rectangular room is 10 m long and 5 m wide. How much carpet area does it have?
4. Can two rectangles with different dimensions have the same area? Explain.
5. If a square playground has sides of 15 m, what will be its area?