

Area

A. Choose the correct answer:

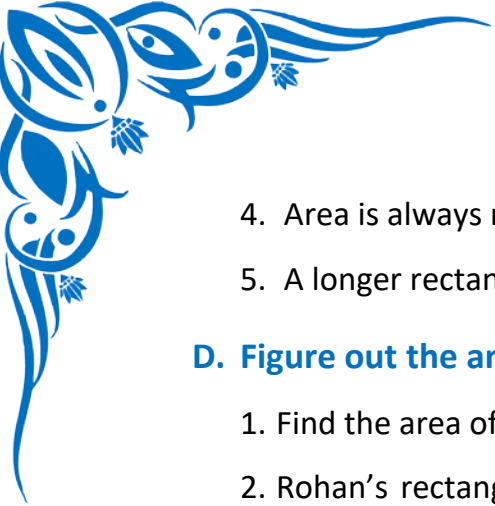
1. Area is the measure of _____.
(a) length (b) boundary
(c) surface covered (d) perimeter
2. Which unit can be used to measure the area of your book?
(a) cm (b) cm^2
(c) liter (d) km
3. The area of a square with side 4 cm is _____.
(a) 8 cm^2 (b) 12 cm^2
(c) 16 cm^2 (d) 20 cm^2
4. To find the area of a rectangle, we multiply _____.
(a) length and breadth (b) all four sides
(c) only length (d) perimeter and side
5. A rectangle has a length of 5 cm and breadth of 3 cm. Its area is _____.
(a) 15 cm^2 (b) 8 cm^2
(c) 20 cm^2 (d) 25 cm^2

B. Write the Missing Terms to Complete the Sentences:

1. Area is measured in _____ units.
2. A square with sides of 6 cm will have an area of _____.
3. To find the area of a rectangle, we multiply _____ and _____.
4. The area of a shape tells us how much _____ it covers.
5. A rectangle measuring 7 cm by 2 cm has an area of _____ cm^2 .

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

1. The area is the total length around a shape. _____
2. Area of a square can be found by multiplying its side by itself. _____
3. A triangle has the same area as a rectangle with equal sides. _____



4. Area is always measured in square units like cm^2 or m^2 . _____
5. A longer rectangle always has more area than a shorter rectangle. _____

D. Figure out the answers to these questions:

1. Find the area of a square garden whose side is 10 m.
2. Rohan's rectangular room is 8 m long and 6 m wide. What is the area of his room?
3. Draw a rectangle with length 5 cm and breadth 3 cm, then calculate its area.
4. If a book cover measures 12 cm by 9 cm, what is the area of the cover?
5. Explain in your own words what area means, and give one example from daily life.

E. Challenge yourself with these questions:

1. If a rectangle has an area of 20 cm^2 and its breadth is 4 cm, find its length.
2. How many tiles of area 4 cm^2 each are needed to cover a rectangle of area 32 cm^2 ?
3. Rahul made a square drawing with an area of 36 cm^2 . What is the length of each side of his drawing?
4. Do you think two rectangles with different lengths and breadths can have the same area? Explain briefly.
5. A rectangle is twice as long as it is wide. If the width is 3 cm, find the area of this rectangle.