Area aswer:

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Α.	Choose the correct answer:		
	1. Area is defined as		
	a) the length of the boundary	b) the total space outside a shape	
	c) the surface enclosed by a close	ed figure d) the measure of angles in a figure	
	2. The unit of area is usually expres	ssed in	
	a) cm	b) cm ²	
	c) cm³	d) km	
	3. The area of a square of side 5 cm	n is	
	a) 10 cm²	b) 20 cm ²	
	c) 25 cm ²	d) 30 cm ²	
	4. If length = 8 m and breadth = 4 m, the area of the rectangle is		
	a) 32 m	b) 24 m	
	c) 32 m ²	d) 12 m ²	
	5. The area of a triangle with base 10 cm and height 6 cm is		
	a) 30 cm	b) 60 cm ²	
	c) 30 cm ²	d) 40 cm ²	
В.	Write the Missing Terms to Com	plete the Sentences:	
	1. Area is the amount of	enclosed by a shape.	
	2. The area of a rectangle is given by ×		
	3. The formula for the area of a triangle is $\frac{1}{2} \times \underline{\hspace{1cm}} \times \underline{\hspace{1cm}}$.		
	4. A square of side 9 cm has an area of		
	5. The area of a parallelogram is bas	se ×	
C.	Mark each sentence with a True	(✔) or False (X):	
	1. Area is measured in cubic units.		
	2. A triangle has no area if its heigh	t is 0.	

3. The area of a square is always more than its perimeter.	
or the area or a square is arrays more than its perimeter.	3. The area of a square is always more than its perimeter

4. If two rectangles have the same area, they must have the same length and breadth.

5. 1 m ² = 10,000 cm ² .	
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D. Figure out the answers to these questions:

- 1. Find the area of a rectangle with length 12 cm and breadth 5 cm.
- 2. A triangle has base 10 cm and height 8 cm. Find its area.
- 3. A square has area 49 cm². Find its side length.
- 4. Find the area of a parallelogram with base 15 cm and height 6 cm.
- 5. Compare the area of two squares: one with side 4 cm and the other with side 6 cm.

E. Challenge yourself with these questions:

- 1. A field is 25 m long and 18 m wide. Find the cost of covering it at Rs. 15 per m².
- 2. The area of a square playground is 144 m². Find its side and perimeter.
- 3. How many tiles of size $\frac{1}{2}$ m $\times \frac{1}{2}$ m are required to cover an area of 20 m²?
- 4. A triangular park has base 24 m and height 10 m. Find its area.
- 5. The area of a rectangle is 96 cm² and its length is 12 cm. Find the breadth.