Area of a Square

like a square?

A.	Choose the Correct Answer:		
	1. What is the area of a square with side 7 cm?		
	a) 14 cm²	b) 49 cm ²	
	c) 28 cm ²	d) 21 cm ²	
	2. The side of a square is 9 m. What is its area?		
	a) 18 m²	b) 81 m ²	
	c) 27 m ²	d) 72 m²	
	3. Which formula is used to find the area of a square?		
	a) Length × Breadth	b) Side + Side	
	c) Side × Side	d) 2 × Side	
	4. A square has an area of 64 cm ² . V	•	
	a) 8 cm	b) 6 cm	
	c) 7 cm	d) 4 cm	
	5. Which of the following is true about a square?		
	a) All angles are equal, but sides are unequalb) Opposite sides are equal		
	c) All sides and angles are equal		
	d) Only two sides are equal		
В.	Write the Missing Terms to Complete the Sentences:		
	1. A square has equal si	des.	
	2. The formula for the area of a square is		
	3. If the area of a square is 100 cm², then the length of each side is		
	4. The area of a square with side 5.5 m is		
	5. The area is always measured in	units.	
C.	Figure out the answers to these questions:		
	1. A square garden has a side of 15 m. What is the area of the garden?		
	2. The area of a square-shaped cloth the cloth?	is 144 cm ² . What is the length of one side of	
	3. If a square playground has an area	of 225 m², how much space does it cover?	
	4. The area of a square wall is 49 m ²	. What is the height of the wall if it is shaped	

- 5. Find the side of a square whose area is the same as the area of a rectangle of length 12 m and breadth 6 m.
- 6. A square-shaped tile has an area of 81 cm². How many tiles are needed to cover a floor of area 729 cm²?
- 7. A square paper has a side of 10 cm. If it is folded into half, what will be the area of each part?
- 8. A square field has a side 24 m. How much fencing is required if the boundary is to be fenced (additional hint: area is not affected)?

D. Mark each sentence with a True (\checkmark) or False (X):

1. All four sides of a square are of equal length.	
2. The area of a square is calculated using the formula $4 \times \text{side}$.	
3. If a square has a side of 11 cm, its area is 121 cm ² .	
4. The unit of area is always a linear unit like cm or m.	
5. The square of 0 is also 0, so the area of a square with side 0 cm is 0 cm ² .	

E. Challenge yourself with these questions:

- 1. A carpet is in the shape of a square with a side of 3.75 m. Find its area.
- 2. Convert the area of a square with side 1.2 m into cm².
- 3. A square room has a side of 6.5 m. Find its area in square meters.
- 4. A square blackboard has an area of 2.25 m². What is the length of its side?
- 5. A square sheet has an area of 400 cm². A square piece of side 5 cm is cut out from it. What is the remaining area?

F. Find the perimeter of each of the following squares.

