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THE MATH EXPERT

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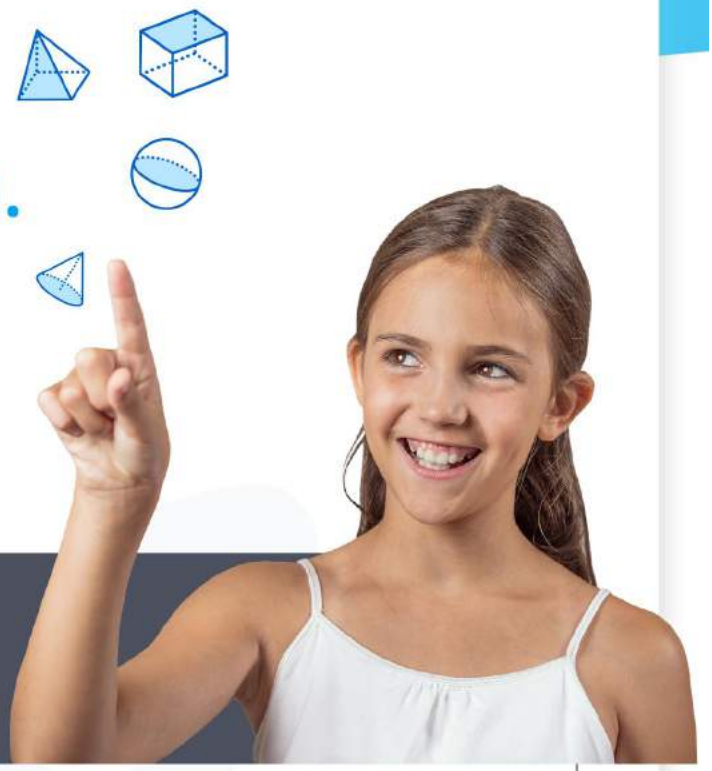

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Adaptive Platform | **Interactive Visual Simulations** | **Personalized Attention**

For Grades 1 - 10

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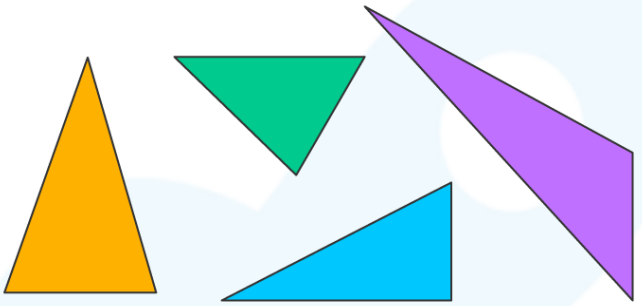
AREA OF SHAPES WORKSHEETS

1. An equilateral triangle has a side of 4 units. Find the area of the equilateral triangle.

2. A scalene triangle has sides of lengths 7 units, 8 units, and 9 units respectively. Find the area of the triangle.
   (a) $12\sqrt{5}$ square units
   (b) $2\sqrt{5}$ square units
   (c) $10\sqrt{2}$ square units
   (d) $3\sqrt{5}$ square units



3. The area of the triangle having a base of 12 units and a height of 14 units is _____.

4. The side of a square is 7.5 units. Find the area of the square.

5. The diagonal of a square is $13\sqrt{2}$ units. The area of the square is _____.

6. Find the side of a square having an area of 225 square units.
   (a)25units (b) 15units (c)20units (d)18units

7. The breadth of a rectangle is one third its length. Find the length of the rectangle if its area is 108 square units.

8. Find the area of a rectangle having and a length of 4.5 units and a breadth of 2.5 units.

9. The length and breadth of a rectangle is in the ratio 3 : 4, and the area of the rectangle is 192 square units. Find the length of the rectangle.

10. The area of a parallelogram is 100 square units, and its base is 12.5 units. Find the height of the parallelogram.

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When you learn math in an interesting way, you never forget.

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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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ANSWERS

1)	$4\sqrt{3}$ square units
2)	(a) $12\sqrt{5}$ square units
3)	84 square units
4)	56.25 square units
5)	169 square units
6)	15 units

7)	18 units
8)	11.25 square units
9)	12 units
10)	8 units

FUN FACT

1. Areas can be found only for closed figures such as a triangle, circle, square, rectangle, rhombus, parallelogram, or a polygon.
2. Shapes generally refer to two-dimensional shapes, and their areas is equal to the product of their two dimensional lengths.