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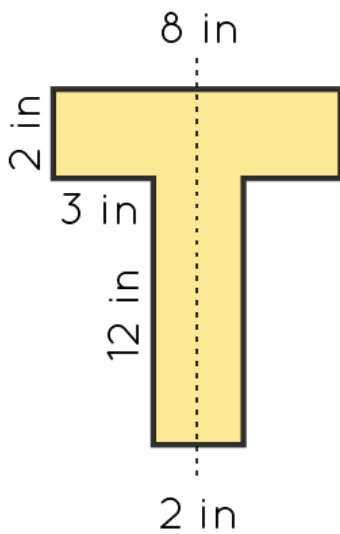
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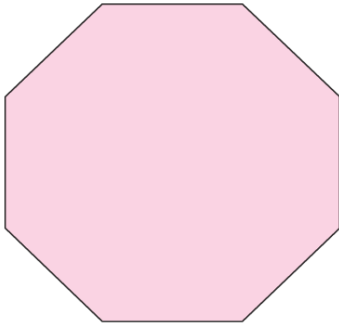
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Area and Perimeter Worksheet 4

1) Find the area of a triangle with base length 8 inch and altitude 9 inch.

2) Find the area of a circle with radius 14 units.

3) Sam needs to determine the area of the parallelogram. If a parallelogram has a height of 29 yards and its base is 10 yards, calculate its area.

4) The perimeter of the given figure below is _____
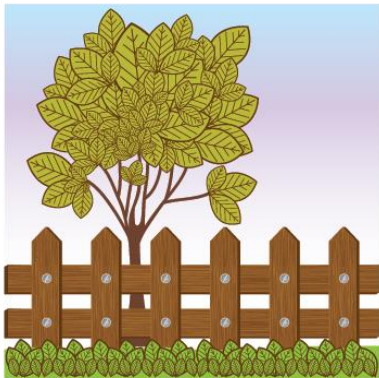   Note: The dotted line shows that the figure is symmetric

8 in
2 in
3 in
12 in
2 in

5) The two sides of a triangle are 30 units and 16 units. The perimeter of the triangle is 80 units. Determine its third side.

6) The perimeter of an octagon is 192cm. Each side of the octagon is the same length. What is the length of one side of the octagon?

7) Find the cost of fencing a square field of length 50 m, if each meter of wire costs $15.

8) Jerry wants to run a string of lights along the edges of a wall. The height of the wall is 10m and the width is 8 m. If each meter of the string of lights costs $45, how much must he pay for it?

9) Perimeter of a rectangular hall is 36 feet and it's breadth is 8 feet. Find out the area of the hall.

10)   A room is 21 m long and 5.7 m wide. Entire floor is to be paved with square tiles whose side is 10 cm. How many tiles will be needed?

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- 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."
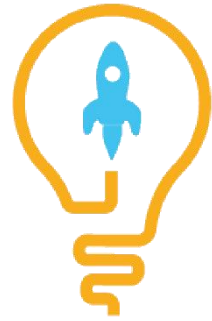
- Kirk Riley

"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. 36 sq. inches	6. 24 cm
2. 616 sq. units	7. $3000
3. 290 sq. yards	8. $1620
4. 44 inches	9. 80 sq. feet
5. 34 units	10. 11,970 tiles

FUN FACT

1. The length and width of a rectangle are called its dimensions.

2. Circumference is the other name for perimeter of a circle.

3. Different rectangles may have same areas but different perimeters. Try finding the areas and perimeters of rectangles with dimensions 20 x 20 and 40 x 10.