

# Classifying Two-Dimensional Figures

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4th Grade Math Practice

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Solve each problem. Show your work when needed.

1. What is the area of a rectangle with a length of 8 cm and a width of 5 cm?

2. Emma has 12 squares and 8 triangles. How many shapes does she have in total?

\_\_\_\_\_

3. Circle the shape with more sides: Triangle or Hexagon

4. What number comes next in this sequence of sides? 3, 4, 5,

\_\_\_\_\_

5. A rectangle can be classified as a square.

True  False

6. If a pentagon has 5 sides, how many sides do 3 pentagons have in total?

7. A Venn diagram shows 6 circles and 4 squares. If 2 shapes are both circles and squares, how many unique shapes are there?

\_\_\_\_\_

8. Circle the shape that has the least sides: Pentagon or Octagon

9. What shape has 4 equal sides? \_\_\_\_\_

10. All parallelograms are rectangles.

True  False

11. If a shape is classified as both a square and a rectangle, what property does it share?

\_\_\_\_\_

12. What is the perimeter of a rectangle with a length of 10 cm and a width of 4 cm?

13. Liam sorted his shapes into 3 categories: triangles, squares, and circles. If he has 5 triangles and 2 squares, how many shapes are not circles?

\_\_\_\_\_

14. Which shape has more sides: Decagon or Heptagon?

15. Complete the Venn diagram categories: Shapes with 3 sides:  
Triangle, \_\_\_\_\_

16. A square is a type of rectangle.

True  False

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**Answer Key**

1. 40 2. 20 3. Hexagon 4. 6 5. True 6. 15 7. 8 8. Pentagon 9. Square 10. False 11. Four right angles 12. 28 13. 7 14. Decagon 15. Apex 16. True