

Classifying Two-Dimensional Figures

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5th Grade Math Practice

Name: _____

Date: _____

Solve each problem. Show your work when needed.

1. A triangle has 3 sides. A square has 4 sides. How many sides do both shapes have together?

2. There are 5 circles and 3 squares. How many shapes are there in total?

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

4. If a shape has 3 sides, and 2 more shapes have 4 sides each, how many sides are there in total? $3 + 4 + 4 = \underline{\quad}$

5. A rectangle is also a quadrilateral.

True False

6. A Venn diagram shows that 4 shapes are circles, and 2 shapes are both circles and squares. How many shapes are only circles?

7. If you combine 6 triangles and 2 squares, how many total shapes do you have?

8. A shape has 5 sides and is classified as a pentagon. If you remove 1 side, how many sides does it have now?

9. Circle the shape with fewer sides: Hexagon or Octagon

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

11. All squares are rectangles.

True False

12. A Venn diagram has 10 shapes in total. If 4 are triangles and 3 are squares, how many shapes are neither?

13. Calculate the total number of sides in 3 triangles (3 sides each).

14. If a shape has 8 sides and it overlaps with a shape that has 4 sides, how many sides do they have in total assuming no overlap?

15. Circle the greater number of sides: 5-sided shape or 6-sided shape

Answer Key

1. 7 2. 8 3. Pentagon 4. 11 5. True 6. 2 7. 8 8. 4 9. Hexagon 10. 6 11. True 12. 3 13. 9 14. 12 15. 6