

# Symmetry in Shapes Practice

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4th Grade Math Practice

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

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

Solve each problem. Show your work when needed.

1. A rectangle has 2 lines of symmetry. If you draw both, how many total lines of symmetry do you have?

\_\_\_\_\_

2. An equilateral triangle has 3 lines of symmetry. If you draw 1 line, how many more do you need to draw?

\_\_\_\_\_

3. If a shape has 4 lines of symmetry and you draw 2, how many lines are left to draw?

4. Circle the shape with more lines of symmetry: Square or Triangle

5. A star shape has \_\_\_ lines of symmetry. (Hint: Think of how many lines can divide it evenly.)

6. A circle has no lines of symmetry. True or False?

True  False

7. Draw a vertical line of symmetry through a rectangle that is 8 cm wide. What is the width of each half?

8. If a shape has 6 lines of symmetry and you remove 1, how many are left?

\_\_\_\_\_

9. A regular pentagon has \_\_\_ lines of symmetry. (Hint: Count the lines that can be drawn through the vertices and the midpoints.)

10. Circle the shape with fewer lines of symmetry: Rectangle or Circle

11. If a figure has 2 lines of symmetry and a second figure has 3, how many total lines of symmetry do they have together? \_\_\_\_

12. A hexagon has 6 lines of symmetry. If you draw 3, how many are left?

\_\_\_\_\_

13. If you have a shape with 0 lines of symmetry, how many more do you need to draw to have 3? \_\_\_\_

14. A shape has 4 lines of symmetry. If 1 is already drawn, how many more do you need?

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15. A rectangle has 1 line of symmetry. True or False?

True  False

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**Answer Key**

1.2 2.2 3.2 4. Square 5.5 6. False 7.4 8.5 9.5 10. Rectangle 11.5 12.3 13.3 14.3 15. False