

# Exploring the Quadrilateral Family

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5th Grade Math Practice

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

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

Solve each problem. Show your work when needed.

1. A rectangle has a length of 12 cm and a width of 5 cm. What is its perimeter?

\_\_\_\_\_

2. What is the area of a square with a side length of 6 cm?

3. Circle the greater number: 5 sides (pentagon) or 4 sides (quadrilateral)

4. If a trapezoid has bases of 8 cm and 10 cm, and a height of 4 cm, what is its area?

\_\_\_\_\_

5. All parallelograms are rectangles.

True  False

6. What number comes next? 4, 6, 8, \_\_\_\_\_

7. What is  $\frac{3}{4} + \frac{1}{4}$ ?

8. A rhombus has diagonals of 8 cm and 6 cm. What is its area?

\_\_\_\_\_

9. Circle the quadrilateral with equal opposite sides: rectangle or trapezoid

10. What is  $\frac{2}{3} - \frac{1}{3}$ ?

11. Calculate the volume of a rectangular prism with length 4 cm, width 3 cm, and height 5 cm.

12. If a square is divided into 4 equal smaller squares, what is the area of each smaller square if the original square has an area of  $64 \text{ cm}^2$ ?

\_\_\_\_\_

13. A square is a type of rectangle.

True  False

14. What is  $0.75 + 0.25$ ?

15. If a kite has diagonals of 10 cm and 14 cm, what is its area?

\_\_\_\_\_

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**Answer Key**

1. 34 2. 36 3. 5 4. 36 5. False 6. 10 7. 1 8. 24 9. rectangle 10.  $\frac{1}{3}$  11. 60 12. 16 13. True 14. 1 15. 70