



# Classifying Quadrilaterals

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

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

Grade: Grade 4

## Part A: Multiple Choice

Circle the best answer for each question.

1. Shapes A-H include square, rectangle, rhombus, parallelogram, trapezoid, kite, and two general quadrilaterals. Which Grade 4 group must include the square AND the rhombus?

- A) Rectangles
- B) Parallelograms
- C) Trapezoids
- D) Kites only

2. Out of 8 shapes, only the square belongs to all four groups: parallelogram, rectangle, rhombus, and square. Why?

- A) It has only one pair of parallel sides
- B) It has 4 equal sides AND 4 right angles
- C) It has only equal diagonals
- D) It has no lines of symmetry

3. Which Grade 4 shape from the set fits ONLY the trapezoid category and no other parallelogram category?

- A) Square
- B) Rhombus
- C) Isosceles trapezoid
- D) Rectangle

4. If a shape is a rectangle but NOT a square, which Grade 4 categories does it belong to?

- A) Rhombus and square
- B) Parallelogram and rectangle
- C) Trapezoid only
- D) Kite and rhombus

## Part B: Fill in the Blank

Write the correct answer on each line.

1. In the Grade 4 quadrilateral hierarchy, every square is also a \_\_\_\_\_.
2. A shape with 4 equal sides and 4 right angles fits in \_\_\_\_\_ Grade 4 categories at once.
3. An isosceles trapezoid is sorted into the \_\_\_\_\_ category only.
4. A non-square rhombus sorts into rhombus and \_\_\_\_\_ categories.
5. A general (scalene) parallelogram fits only the \_\_\_\_\_ category among the four families.

### Part A: Multiple Choice

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1. Shapes A-H include square, rectangle, rhombus, parallelogram, trapezoid, kite, and two general quadrilaterals. Which Grade 4 group must include the square AND the rhombus?

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### Part B: Fill in the Blank

Write the correct answer on each line.

1. In the Grade 4 quadrilateral hierarchy, every square is also a rhombus.
2. A shape with 4 equal sides and 4 right angles fits in 4 Grade 4 categories at once.
3. An isosceles trapezoid is sorted into the trapezoid category only.
4. A non-square rhombus sorts into rhombus and parallelogram categories.
5. A general (scalene) parallelogram fits only the parallelogram category among the four families.