



# Classifying Quadrilaterals

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

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

Grade: Grade 4

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. A Grade 4 square has \_\_\_\_\_ diagonals that are equal and perpendicular.
2. In a parallelogram, the diagonals always \_\_\_\_\_ each other.
3. A rectangle's two diagonals are \_\_\_\_\_ in length.
4. A rhombus has diagonals that meet at \_\_\_\_\_ angles.
5. Diagonals of a square are both equal and \_\_\_\_\_.
6. Two diagonals of a quadrilateral connect opposite \_\_\_\_\_.
7. In a kite, exactly one diagonal \_\_\_\_\_ the other diagonal.
8. Diagonals of a non-rectangle parallelogram are usually \_\_\_\_\_ equal.
9. A square's diagonals split it into 4 \_\_\_\_\_ right triangles.

## Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Square (Grade 4)	→ _____	Diagonals bisect each other only
Rectangle (non-square)	→ _____	Equal diagonals, not perpendicular
Rhombus (non-square)	→ _____	Perpendicular diagonals, not equal
Parallelogram (general)	→ _____	Equal and perpendicular diagonals

## Answer Key · Classifying Quadrilaterals · Grade: Grade 4

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### Part A: Fill in the Blank

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Write the missing word or number on each line.

1. A Grade 4 square has 2 diagonals that are equal and perpendicular.
2. In a parallelogram, the diagonals always bisect each other.
3. A rectangle's two diagonals are equal in length.
4. A rhombus has diagonals that meet at right angles.
5. Diagonals of a square are both equal and perpendicular.
6. Two diagonals of a quadrilateral connect opposite vertices.
7. In a kite, exactly one diagonal bisects the other diagonal.
8. Diagonals of a non-rectangle parallelogram are usually not equal.
9. A square's diagonals split it into 4 congruent right triangles.

### Part B: Matching

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Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Square (Grade 4)	→ <u>Equal and perpendicular diagonals</u>	Diagonals bisect each other only
Rectangle (non-square)	→ <u>Equal diagonals, not perpendicular</u>	Equal diagonals, not perpendicular
Rhombus (non-square)	→ <u>Perpendicular diagonals, not equal</u>	Perpendicular diagonals, not equal
Parallelogram (general)	→ <u>Diagonals bisect each other only</u>	Equal and perpendicular diagonals