



# Lines and Symmetry

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

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

Grade: Grade 4

## Part A: Multiple Choice

Circle the best answer for each question.

1. Which shape has exactly 4 lines of symmetry?

- A) Rectangle
- B) Rhombus
- C) Square
- D) Trapezoid

2. What angle do perpendicular lines form?

- A)  $45^\circ$
- B)  $60^\circ$
- C)  $90^\circ$
- D)  $180^\circ$

3. How many lines of symmetry does a parallelogram that is not a rectangle or rhombus have?

- A) 0
- B) 1
- C) 2
- D) 4

4. A regular polygon has 10 sides. How many lines of symmetry does it have?

- A) 5
- B) 8
- C) 10
- D) 20

## Part B: Fill in the Blank

Write the correct answer on each line.

1. A shape and its reflection across a line of symmetry are \_\_\_\_\_.
2. A regular heptagon has \_\_\_\_\_ lines of symmetry.
3. Two parallel lines cut by a perpendicular line form \_\_\_\_\_ right angles.
4. The number of lines of symmetry in a regular polygon equals the number of its \_\_\_\_\_.
5. A kite has \_\_\_\_\_ line(s) of symmetry.

**Part A: Multiple Choice**

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1. Which shape has exactly 4 lines of symmetry?

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3. How many lines of symmetry does a parallelogram that is not a rectangle or rhombus have?

- A) 0
- B) 1
- C) 2
- D) 4

4. A regular polygon has 10 sides. How many lines of symmetry does it have?

- A) 5
- B) 8
- C) 10
- D) 20

**Part B: Fill in the Blank**

Write the correct answer on each line.

1. A shape and its reflection across a line of symmetry are identical.
2. A regular heptagon has 7 lines of symmetry.
3. Two parallel lines cut by a perpendicular line form 4 right angles.
4. The number of lines of symmetry in a regular polygon equals the number of its sides.
5. A kite has 1 line(s) of symmetry.