



Lines and Symmetry

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. Which shape has exactly 2 lines of symmetry?

- A) Equilateral triangle
- B) Square
- C) Rectangle
- D) Regular pentagon

2. A transversal is a line that crosses two or more other lines. If it crosses two parallel lines, how many angles does it create in total?

- A) 4
- B) 6
- C) 8
- D) 12

3. Which of the following has no line of symmetry?

- A) Circle
- B) Square
- C) Parallelogram
- D) Isosceles triangle

4. If a shape has exactly 8 lines of symmetry, which shape could it be?

- A) Regular hexagon
- B) Regular octagon
- C) Regular pentagon
- D) Regular heptagon

Part B: Fill in the Blank

Write the correct answer on each line.

1. A line that cuts across two parallel lines is called a _____.
2. The letter N has _____ line(s) of symmetry.
3. Two angles that add up to 90° are called _____ angles.
4. A rhombus has _____ pairs of parallel sides.
5. The midpoint of a line segment divides it into two _____ parts.

Part A: Multiple Choice

Circle the best answer for each question.

1. Which shape has exactly 2 lines of symmetry?

- A) Equilateral triangle
- B) Square
- C) **Rectangle**
- D) Regular pentagon

2. A transversal is a line that crosses two or more other lines. If it crosses two parallel lines, how many angles does it create in total?

- A) 4
- B) 6
- C) **8**
- D) 12

3. Which of the following has no line of symmetry?

- A) Circle
- B) Square
- C) **Parallelogram**
- D) Isosceles triangle

4. If a shape has exactly 8 lines of symmetry, which shape could it be?

- A) Regular hexagon
- B) **Regular octagon**
- C) Regular pentagon
- D) Regular heptagon

Part B: Fill in the Blank

Write the correct answer on each line.

1. A line that cuts across two parallel lines is called a transversal.
2. The letter N has 0 line(s) of symmetry.
3. Two angles that add up to 90° are called complementary angles.
4. A rhombus has 2 pairs of parallel sides.
5. The midpoint of a line segment divides it into two equal parts.