



Lines and Symmetry

Name: _____

Date: _____

Grade: Grade 4

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: An equilateral triangle has only 1 line of symmetry because it has 3 sides.

Rewrite: _____

2. Fix the sentence: Intersecting lines must always form right angles.

Rewrite: _____

3. Fix the sentence: A line and a ray are the same thing because they both go on forever.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. When two lines cross at one point, they are called _____ lines.
2. A regular hexagon has _____ pairs of parallel sides.
3. The letter W has _____ line(s) of symmetry.
4. A point marks an exact _____ in space and has no size.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Name two objects in a classroom that show perpendicular lines.

2. Why does a scalene triangle have zero lines of symmetry?

Answer Key · Lines and Symmetry · Grade: Grade 4

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: An equilateral triangle has only 1 line of symmetry because it has 3 sides.

Rewrite: **An equilateral triangle has 3 lines of symmetry, one from each vertex to the midpoint of the opposite side.**

2. Fix the sentence: Intersecting lines must always form right angles.

Rewrite: **Intersecting lines cross at a point but do not always form right angles. Only perpendicular lines form right angles.**

3. Fix the sentence: A line and a ray are the same thing because they both go on forever.

Rewrite: **A line goes on forever in both directions, but a ray has one endpoint and goes on forever in only one direction.**

Part B: Fill in the Blank

Write the missing word or number on each line.

- When two lines cross at one point, they are called **intersecting** lines.
- A regular hexagon has **3** pairs of parallel sides.
- The letter W has **1** line(s) of symmetry.
- A point marks an exact **location** in space and has no size.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Name two objects in a classroom that show perpendicular lines.

The edges where a wall meets the floor form perpendicular lines, and the corner of a book where two sides meet also shows perpendicular lines.

2. Why does a scalene triangle have zero lines of symmetry?

A scalene triangle has all three sides of different lengths, so there is no line you can fold along to make
