



# 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

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### Part A: Fix the Sentence

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

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Rewrite: \_\_\_\_\_

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

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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

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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

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Answer each question in one or two complete sentences.

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

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

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