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: *A line segment goes on forever in one direction from its endpoint.*

   Rewrite: _____

2. Fix the sentence: *The letter M has 3 lines of symmetry.*

   Rewrite: _____

3. Fix the sentence: *Parallel lines always meet at a point far away.*

   Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. The letter D has _____ line(s) of symmetry.
2. A ray is named by its _____ and one other point on the ray.
3. Two lines that are not parallel and do not intersect in a flat surface are called _____ lines.
4. The letter O has _____ lines of symmetry.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. How is a line segment different from a line?

2. Name a capital letter that has no lines of symmetry and explain why.

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: *A line segment goes on forever in one direction from its endpoint.*

   Rewrite: A line segment has two endpoints and does not go on forever. A ray goes on forever in one direction from its endpoint.

2. Fix the sentence: *The letter M has 3 lines of symmetry.*

   Rewrite: The letter M has 1 line of symmetry, running vertically down the middle.

3. Fix the sentence: *Parallel lines always meet at a point far away.*

   Rewrite: Parallel lines never meet no matter how far they extend.

Part B: Fill in the Blank

Write the missing word or number on each line.

1. The letter D has **1** line(s) of symmetry.
2. A ray is named by its **endpoint** and one other point on the ray.
3. Two lines that are not parallel and do not intersect in a flat surface are called **skew** lines.
4. The letter O has **2** lines of symmetry.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. How is a line segment different from a line?

   > *A line segment has two endpoints and a fixed length, while a line extends forever in both directions with no endpoints.*

2. Name a capital letter that has no lines of symmetry and explain why.

   > *The letter F has no lines of symmetry because you cannot fold it along any line and have both halves match exactly.*