



Classifying 2D Shapes

Name: _____

Date: _____

Grade: Grade 5

Part A: Fix the Sentence

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

1. Fix the sentence: A rectangle has exactly one line of symmetry.

Rewrite: _____

2. Fix the sentence: All quadrilaterals have equal diagonals.

Rewrite: _____

3. Fix the sentence: A pentagon has four lines of symmetry when it is regular.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A regular octagon has _____ lines of symmetry.
2. The diagonals of a parallelogram _____ each other.
3. A shape with all sides equal but not all angles equal is an irregular _____.
4. A square has _____ lines of symmetry.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why is every square a rhombus but not every rhombus a square?

2. A shape has six equal sides and six equal angles. Name it and state whether it is regular or irregular.

Answer Key · Classifying 2D Shapes · Grade: Grade 5

Part A: Fix the Sentence

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

1. Fix the sentence: A rectangle has exactly one line of symmetry.

Rewrite: **A rectangle has exactly two lines of symmetry.**

2. Fix the sentence: All quadrilaterals have equal diagonals.

Rewrite: **Only some quadrilaterals, such as rectangles and squares, have equal diagonals.**

3. Fix the sentence: A pentagon has four lines of symmetry when it is regular.

Rewrite: **A regular pentagon has five lines of symmetry.**

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A regular octagon has 8 lines of symmetry.
2. The diagonals of a parallelogram bisect each other.
3. A shape with all sides equal but not all angles equal is an irregular polygon.
4. A square has 4 lines of symmetry.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why is every square a rhombus but not every rhombus a square?

Every square has four equal sides, which makes it a rhombus. But a rhombus does not need right angles, so a rhombus with non-right angles is not a square.

2. A shape has six equal sides and six equal angles. Name it and state whether it is regular or irregular.

It is a regular hexagon because all six sides are equal and all six angles are equal.
