



# Classifying Triangles

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 4

## Part A: Multiple Choice

Circle the best answer for each question.

1. How many lines of symmetry does an equilateral triangle have?

- A) 0
- B) 1
- C) 2
- D) 3

2. How many lines of symmetry does an isosceles triangle have?

- A) 0
- B) 1
- C) 2
- D) 3

3. How many lines of symmetry does a scalene triangle have?

- A) 0
- B) 1
- C) 2
- D) 3

4. Why does an equilateral triangle have more lines of symmetry than a scalene triangle?

- A) Equilateral has three congruent sides while scalene has none
- B) Scalene triangles always have right angles
- C) Equilateral triangles only have one congruent side
- D) Scalene triangles have three lines of symmetry

## Part B: Fill in the Blank

Write the correct answer on each line.

1. An equilateral triangle has \_\_\_\_\_ lines of symmetry.

2. An isosceles triangle has \_\_\_\_\_ line(s) of symmetry.

3. A scalene triangle has \_\_\_\_\_ line(s) of symmetry.

4. A triangle has lines of symmetry only along sides that are \_\_\_\_\_ in length.

5. An equilateral triangle's three lines of symmetry each pass through one vertex and the \_\_\_\_\_ of the opposite side.

**Part A: Multiple Choice**

Circle the best answer for each question.

1. How many lines of symmetry does an equilateral triangle have?

- A) 0
- B) 1
- C) 2
- D) 3

2. How many lines of symmetry does an isosceles triangle have?

- A) 0
- B) 1
- C) 2
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3. How many lines of symmetry does a scalene triangle have?

- A) 0
- B) 1
- C) 2
- D) 3

4. Why does an equilateral triangle have more lines of symmetry than a scalene triangle?

- A) Equilateral has three congruent sides while scalene has none
- B) Scalene triangles always have right angles
- C) Equilateral triangles only have one congruent side
- D) Scalene triangles have three lines of symmetry

**Part B: Fill in the Blank**

Write the correct answer on each line.

1. An equilateral triangle has 3 lines of symmetry.
2. An isosceles triangle has 1 line(s) of symmetry.
3. A scalene triangle has 0 line(s) of symmetry.
4. A triangle has lines of symmetry only along sides that are congruent in length.
5. An equilateral triangle's three lines of symmetry each pass through one vertex and the midpoint of the opposite side.