



Classifying Triangles

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. Which triangle is impossible?

- A) Right scalene
- B) Right equilateral
- C) Acute isosceles
- D) Obtuse scalene

2. A triangle has angles 25, 65, and 90 degrees. Classify it.

- A) Acute scalene
- B) Right scalene
- C) Right isosceles
- D) Obtuse isosceles

3. Which set of side lengths describes an isosceles triangle?

- A) 3 cm, 4 cm, 5 cm
- B) 5 cm, 5 cm, 5 cm
- C) 6 cm, 6 cm, 8 cm
- D) 7 cm, 9 cm, 11 cm

4. Two angles of a triangle measure 55 and 55 degrees. What kind of triangle must it be?

- A) Right scalene
- B) Obtuse isosceles
- C) Acute isosceles
- D) Equilateral

Part B: Fill in the Blank

Write the correct answer on each line.

1. A triangle has angles 45, 60, and _____ degrees.
2. A triangle has angles 30, 30, and _____ degrees, making it obtuse isosceles.
3. A right triangle with two equal legs has angles of 90, 45, and _____ degrees.
4. If a triangle has angles 70, 70, and 40 degrees, it is an acute _____ triangle.
5. A triangle with angles 100, 50, and 30 degrees is an obtuse _____ triangle by side lengths.

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4. Two angles of a triangle measure 55 and 55 degrees. What kind of triangle must it be?

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- C) Acute isosceles
- D) Equilateral

Part B: Fill in the Blank

Write the correct answer on each line.

1. A triangle has angles 45, 60, and 75 degrees.
2. A triangle has angles 30, 30, and 120 degrees, making it obtuse isosceles.
3. A right triangle with two equal legs has angles of 90, 45, and 45 degrees.
4. If a triangle has angles 70, 70, and 40 degrees, it is an acute isosceles triangle.
5. A triangle with angles 100, 50, and 30 degrees is an obtuse scalene triangle by side lengths.