



Classifying Triangles

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. A triangle has angles of 60 and 70 degrees.

What is the third angle?

- A) 30 degrees
- B) 40 degrees
- C) 50 degrees
- D) 60 degrees

2. Which set of angles could form a triangle?

- A) 80, 60, 50 degrees
- B) 100, 50, 40 degrees
- C) 60, 60, 60 degrees
- D) 90, 90, 10 degrees

3. A triangle has angles of 90, 45, and 45 degrees.

How would you classify it?

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

4. A triangle has sides 6 cm, 6 cm, and 6 cm.

Which classification is always correct?

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

Part B: Fill in the Blank

Write the correct answer on each line.

1. A triangle has angles 35 and 95 degrees. The third angle is _____ degrees.
2. A triangle with angles 30, 60, and 90 degrees is a right _____ triangle by sides.
3. A triangle has angles 20, 20, and _____ degrees, making it an obtuse isosceles triangle.
4. If a triangle has two 50 degree angles, the third angle is _____ degrees.
5. A triangle cannot have two 90 degree angles, because the three angles must add to _____ degrees.

Answer Key · Classifying Triangles · Grade: Grade 4

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4. A triangle has sides 6 cm, 6 cm, and 6 cm.

Which classification is always correct?

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

Part B: Fill in the Blank

Write the correct answer on each line.

1. A triangle has angles 35 and 95 degrees. The third angle is 50 degrees.
2. A triangle with angles 30, 60, and 90 degrees is a right scalene triangle by sides.
3. A triangle has angles 20, 20, and 140 degrees, making it an obtuse isosceles triangle.
4. If a triangle has two 50 degree angles, the third angle is 80 degrees.
5. A triangle cannot have two 90 degree angles, because the three angles must add to 180 degrees.