



Classifying 2D Shapes

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. A triangle has two angles of 55° each. Classify it by both sides and angles.

- A) Scalene acute
- B) Isosceles obtuse
- C) Isosceles acute
- D) Equilateral acute

2. Which of the following is NOT possible?

- A) A right scalene triangle
- B) An obtuse equilateral triangle
- C) An acute isosceles triangle
- D) A right isosceles triangle

3. A triangle has angles of 90° , 45° , and 45° . Which classification best describes it?

- A) Scalene right
- B) Equilateral acute
- C) Isosceles right
- D) Isosceles obtuse

4. Triangle PQR has sides 6 cm, 6 cm, and 6 cm. What is the measure of each angle?

- A) 90°
- B) 45°
- C) 60°
- D) 120°

Part B: Fill in the Blank

Write the correct answer on each line.

1. If two angles of a triangle are 70° each, the third angle is _____ degrees.
2. A triangle with angles 40° , 60° , and 80° is classified as _____ by its angles.
3. A triangle with sides 7 cm, 7 cm, and 10 cm is _____ by its sides and _____ by its angles.
4. The largest angle in a right triangle always measures exactly _____ degrees.
5. If one angle of a triangle is 90° and another is 35° , the third angle is _____ degrees.

Part A: Multiple Choice

Circle the best answer for each question.

1. A triangle has two angles of 55° each. Classify it by both sides and angles.

- A) Scalene acute
- B) Isosceles obtuse
- C) **Isosceles acute**
- D) Equilateral acute

2. Which of the following is NOT possible?

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- C) **Isosceles right**
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4. Triangle PQR has sides 6 cm, 6 cm, and 6 cm. What is the measure of each angle?

- A) 90°
- B) 45°
- C) **60°**
- D) 120°

Part B: Fill in the Blank

Write the correct answer on each line.

1. If two angles of a triangle are 70° each, the third angle is 40 degrees.
2. A triangle with angles 40° , 60° , and 80° is classified as acute by its angles.
3. A triangle with sides 7 cm, 7 cm, and 10 cm is isosceles, obtuse by its sides and _____ by its angles.
4. The largest angle in a right triangle always measures exactly 90 degrees.
5. If one angle of a triangle is 90° and another is 35° , the third angle is 55 degrees.