

Triangle Classification Practice

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5th Grade Math Practice

Name: _____

Date: _____

Solve each problem. Show your work when needed.

1. A triangle has angles measuring 30° , 60° , and 90° . What type of triangle is it based on angles?

2. If a triangle has two sides measuring 5 cm and one side measuring 3 cm, what type of triangle is it based on side lengths?

3. What is the sum of the angles in a triangle?

4. Circle the greater angle: 45° or 50°

5. What type of triangle has all three angles less than 90° ? _____ triangle

6. A triangle has sides measuring 7 cm, 8 cm, and 9 cm. What type of triangle is it based on side lengths?

7. If one angle in a triangle measures 70° , what is the measure of the other two angles if they are equal?

8. An equilateral triangle has three equal sides. True or False?

True False

9. Circle the type of triangle that has one angle greater than 90° : Acute, Right, Obtuse

10. In a triangle, if one angle measures 45° and the other measures 45° , what type of triangle is it?

11. Calculate the perimeter of a triangle with sides measuring 6 cm, 7 cm, and 8 cm.

12. If a triangle has angles measuring 50° and 60° , what is the measure of the third angle?

13. A triangle is called equilateral if all its sides are equal. The measure of each angle in an equilateral triangle is _____ degrees.

14. A triangle has angles of 100° , 40° , and x° . What is the value of x ?

15. A triangle can have two right angles. True or False?

True False

Answer Key

1. Right 2. Isosceles 3. 180 4. 50° 5. Acute 6. Scalene 7. 55 8. True 9. Obtuse 10. Isosceles 11. 21 12. 70 13. 60 14. 40 15. False