

# Triangle Classification and Measurement

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4th Grade Math Practice

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

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

Solve each problem. Show your work when needed.

1. A triangle has sides measuring 5 cm, 5 cm, and 8 cm. What type of triangle is it?

\_\_\_\_\_

2. A triangle has sides of 3 cm, 4 cm, and 5 cm. Classify this triangle.

\_\_\_\_\_

3. Calculate the perimeter of a triangle with sides 6 cm, 6 cm, and 6 cm.

4. If one side of a triangle is 7 cm, and the other two sides are equal, what is the length of each of the equal sides in an isosceles triangle if the perimeter is 25 cm?  $7 + 2x = 25$ ,  $x =$  \_\_\_\_\_

5. Liam has a triangle with sides measuring 9 cm, 9 cm, and 12 cm. What type is it?

\_\_\_\_\_

6. All sides of an equilateral triangle are equal.

True  False

7. Circle the greater perimeter: Triangle A (4 cm, 5 cm, 6 cm) or Triangle B (5 cm, 5 cm, 5 cm).

8. A triangle has sides measuring 10 cm, 15 cm, and 20 cm. What type of triangle is this?

\_\_\_\_\_

9. Find the area of a triangle with base 10 cm and height 5 cm. Area =  $\frac{1}{2} * \text{base} * \text{height} =$  \_\_\_\_\_

10. If a triangle has sides 3 cm, 4 cm, and \_\_\_\_\_ cm, and it is scalene, what could be the length of the last side?

11. Emma has a triangle with sides measuring 8 cm, 8 cm, and 10 cm. What type of triangle is it?

\_\_\_\_\_

12. Multiply the lengths of the sides of a scalene triangle: 3 cm, 4 cm, and 5 cm. What is the product?

13. Which triangle has two equal sides: Triangle A (3 cm, 3 cm, 4 cm) or Triangle B (5 cm, 6 cm, 7 cm)?

14. A triangle has sides of 7 cm, 8 cm, and 9 cm. What type of triangle is this?

\_\_\_\_\_

15. An isosceles triangle has all three sides of different lengths.

True  False

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**Answer Key**

1. Isosceles 2. Scalene 3. 18 4. 9 5. Isosceles 6. True 7. Triangle B 8. Scalene 9. 25 10. 5 11. Isosceles 12. 60 13. Triangle A 14. Scalene 15. False