

Unit 8: Properties of Two-dimensional Shapes

CONCEPT

Name: _____ Date: _____

Write your answer on the line after each problem. Read carefully and give one short answer.

1. A triangle has three sides that are all the same length: 5 cm, 5 cm, and 5 cm. What type of triangle is it by its sides? (equilateral, isosceles, or scalene)

Answer: _____

3. A triangle has sides of length 3 cm, 6 cm, and 8 cm. What type of triangle is it by its sides? (equilateral, isosceles, or scalene)

Answer: _____

5. A triangle has one angle that measures 120° . What type of triangle is it by its angles? (acute, right, or obtuse)

Answer: _____

7. A quadrilateral has 4 equal sides and 4 right angles. What is the most specific name for this shape? (square, rectangle, rhombus, or trapezoid)

Answer: _____

9. A quadrilateral has exactly one pair of parallel sides. What is the name for this shape? (square, rectangle, rhombus, or trapezoid)

Answer: _____

11. How many lines of symmetry does an equilateral triangle have?

Answer: _____

2. A triangle has sides of length 4 cm, 4 cm, and 7 cm. What type of triangle is it by its sides? (equilateral, isosceles, or scalene)

Answer: _____

4. A triangle has one angle that measures exactly 90° . What type of triangle is it by its angles? (acute, right, or obtuse)

Answer: _____

6. A triangle has three angles measuring 60° , 70° , and 50° . What type of triangle is it by its angles? (acute, right, or obtuse)

Answer: _____

8. A quadrilateral has opposite sides equal and 4 right angles, but its sides are not all the same length. What is the most specific name for this shape? (square, rectangle, rhombus, or trapezoid)

Answer: _____

10. How many lines of symmetry does a square have?

Answer: _____

12. How many lines of symmetry does a rectangle that is not a square have?

Answer: _____