

Y4 Geometry

KS2 Y4 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

A triangle has sides of 7 cm, 4 cm and 9 cm. Name the type of triangle.

Step 1 · Are any sides equal?

7, 4 and 9 are all different

Step 2 · No equal sides

Scalene

Answer: It is a scalene triangle

Check: A scalene triangle also has no equal angles ✓

2. Now try one with the steps

A quadrilateral has 4 right angles and opposite sides of 8 cm and 3 cm. What is it?

Step 1 · 4 right angles

Step 2 · The sides are not all equal

Answer:

3. Practice

Have a go at each one. There is space underneath to work it out.

1. How many sides does a quadrilateral have?

2. A triangle has 3 equal sides. What type of triangle is it?

3. A triangle has exactly 2 equal sides. What type of triangle is it?

4. A triangle has no equal sides. What type of triangle is it?

5. Which quadrilateral has 4 equal sides and 4 right angles?

6. Which quadrilateral has exactly 1 pair of parallel sides?

7. How many right angles does a rectangle have?

8. A quadrilateral has 4 equal sides but no right angles. What is it?

9. A triangle has sides 8 cm, 8 cm and 8 cm. What is its perimeter, and what type is it?

10. A quadrilateral has two pairs of equal sides that are next to each other, and no parallel sides. What is it?

11. Which two quadrilaterals have 2 pairs of parallel sides but no right angles?

12. True or false: every square is a rhombus.

13. True or false: every rectangle is a square.

14. An isosceles triangle has two sides of 6 cm. Its perimeter is 20 cm. How long is the third side?

4. Before you hand it in

Saying a square turned on its corner is a diamond, not a square.

Turning a shape does not change it. Check the properties: 4 equal sides and 4 right angles means square.

Thinking a square is not a rectangle.

A rectangle has 4 right angles and opposite sides equal. A square has those too, so it is a special rectangle.

Calling any triangle with a point at the top isosceles.

Measure the sides. Isosceles means exactly 2 equal sides.

Calling every four-sided shape a rectangle.

Look for right angles, equal sides and parallel sides, then use the names square, rectangle, rhombus, parallelogram, trapezium and kite.