

Y2 2d Shapes

KS1 Y2 Maths · Follows the national curriculum

Name _____ Class _____ Date _____

1. Worked example

How many sides and vertices does a pentagon have?

Step 1 · Count the straight sides, touching each one

5 sides

Step 2 · Count the corners where two sides meet

5 vertices

Answer: 5 sides and 5 vertices

Check: "Pent" means five, like a pentagon's five sides ✓

2. Now try one with the steps

What is the same and what is different about a square and a rectangle?

Step 1 · Same: count sides and vertices

Step 2 · Different: look at side lengths

Answer:

3. Practice

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

1. How many sides does a triangle have?

2. How many vertices does a square have?

3. How many sides does a hexagon have?

4. How many sides does an octagon have?

5. How many straight sides does a circle have?

6. I have 5 sides and 5 vertices. What shape am I?

7. I have 4 equal sides and 4 vertices. What shape am I?

8. What is the total number of sides on 2 triangles?

9. Does a square have a vertical line of symmetry? Write yes or no.

10. Does the capital letter F have a vertical line of symmetry? Write yes or no.

11. Does the capital letter A have a vertical line of symmetry? Write yes or no.

12. What is the total number of vertices on a square and a pentagon?

13. Ravi draws a shape with 3 more sides than a triangle. What shape has he drawn?

14. Tess says every shape with 4 sides is a square. Is she right? Write yes or no.

4. Before you hand it in

Counting the same side twice, or missing one.

Put a dot on the first side you count and tick each side go.

Thinking a triangle turned upside down is not a triangle.

Count the sides: 3 sides is always a triangle, whichever way it points.

Saying every shape has a vertical line of symmetry.

Fold it, or hold a mirror on the line. Only call it a line of symmetry if the halves match exactly.

Calling a circle's edge a side.

A circle has 0 sides and 0 vertices.