

**YEAR 4**

Shape, Symmetry and Angles

Three sections. For the symmetry questions, sketch the shape and draw the fold lines before you count them.

Name: _____

Date: _____

Score: _____

A. Naming shapes

Count the sides. The name usually tells you how many.

- 1 How many sides does a pentagon have?

- 2 How many sides does a hexagon have?

- 3 How many sides does an octagon have?

- 4 Name the shape with four equal sides and four right angles.

- 5 Name the shape with exactly one pair of parallel sides.

- 6 Name the shape with four equal sides but no right angles.

- 7 How many faces does a cube have?

- 8 How many edges does a cube have?

- 9 How many vertices (corners) does a cube have?

B. Symmetry

A fold line makes both halves match exactly.

- 1 How many lines of symmetry does a square have?

- 2 How many lines of symmetry does a rectangle have?

- 3 How many lines of symmetry does an equilateral triangle have?

- 4 How many lines of symmetry does an isosceles triangle have?

- 5 How many lines of symmetry does a regular hexagon have?

- 6 Does a parallelogram have any lines of symmetry? Explain.

C. Angles

Right angle 90, straight line 180, full turn 360.

- 1 How many degrees are there in a right angle?

- 2 How many degrees are there in a straight line?

- 3 How many degrees are there in a full turn?

- 4 Two angles sit on a straight line. One is 65° . What is the other?

- 5 Two angles sit on a straight line. One is 40° . What is the other?

- 6 Two angles sit on a straight line. One is 125° . What is the other?

- 7 Two angles sit on a straight line. One is 90° . What is the other?

- 8 Three angles meet at a point on a straight line. Two are 50° and 70° . What is the third?

9 Is an angle of 120° acute, obtuse or reflex?

10 Is an angle of 200° acute, obtuse or reflex?