



Geometry: Properties of Shape

Gold

These Gold questions require comparing shapes and explaining reasoning, a genuine stretch beyond Year 3.

Name: _____ Date: _____

Section A: Shape Reasoning

1. Explain why a square is always a rectangle, but a rectangle is not always a square.

2. How many edges does a triangular prism have?

3. A shape has 4 sides and 4 right angles, but its sides are not all equal. What could it be?

4. Name two 3D shapes that both have exactly one curved face.

5. If you cut a cube in half, what 2D shape would you see on the cut face?

Section B: Angles & Symmetry

1. Which of these has more right angles: a square or a triangle?

2. Does a circle have any straight sides?

3. Name a 2D shape that has no lines of symmetry.

4. Name a 2D shape that has exactly one line of symmetry.

5. Explain, in your own words, what makes an angle a "right angle".
