

Max's Great Shape Hunt

Learning objective: To identify and describe the properties of 2D and 3D shapes, including angles and symmetry.

Max the monkey has found some mysterious shapes hidden around the jungle! Use this fact-file to record the properties of the shapes you find. Be sure to use your geometry vocabulary to describe the edges, vertices, and angles.

Word bank: Acute · Obtuse · Right angle · Parallel · Symmetrical · Vertex · Polygon · Quadrilateral

1. The 2D Shape Discovery: Describe the shape you found. How many sides does it have, and what is its name? (2 marks)

2. Angle Detective: Look at the interior angles of your 2D shape. Are they acute, obtuse, or right angles? (2 marks)

3. Symmetry Search: Does your shape have any lines of symmetry? Explain how you know. (2 marks)

4. 3D Shape Analysis: Find a 3D shape. How many faces, edges, and vertices does it have? (3 marks)

5. Parallel Pair: Can you find any parallel lines on your shapes? Describe where they are. (2 marks)

6. The Shape Challenge: If you put two of your 2D shapes together, what new shape could you create? (2 marks)

Extension challenge: Can you find a shape in the classroom that is a regular polygon? Write down why it is 'regular' and not 'irregular'.