

Max the Monkey's Shape Explorer Fact-File

Learning objective: Identify and describe the properties of 2D and 3D shapes, including the number of sides, vertices, and faces.

Help Max the Monkey organise his collection of shapes. Choose three different shapes you can see around your classroom or home. Fill in the fact-file for each shape to show what you know about its properties. Use your ruler to help you count the sides and vertices carefully!

Word bank: sides · vertices · faces · curved · straight · 2D · 3D · edges · corners

1. Shape Name: What is the name of the shape you have chosen? Is it 2D (flat) or 3D (solid)? (2 marks)

2. Side and Vertex Count: How many straight sides does your shape have? How many vertices (corners) can you count? (2 marks)

3. 3D Shape Details: If your shape is 3D, how many flat faces does it have? Are any of the edges curved? (2 marks)

4. Real-world Example: Where have you seen this shape in the real world? Describe an object that is this shape. (2 marks)

5. Max's Challenge: Can you name a different shape that has more sides than the one you just described? (2 marks)

Extension challenge: Find a partner and play 'Guess My Shape'. Describe the properties of a shape (e.g., 'I have 4 sides and 4 corners') without saying the name, and see if your partner can guess which shape it is!