

Max's Geometric Garden Adventure

Learning objective: To identify, describe, and classify 2D and 3D shapes, including their properties such as vertices, edges, and faces.

Max the monkey is helping in the community garden, but he sees shapes everywhere! Look at the objects Max has found and match them to their correct 3D shape name. Then, help Max identify the 2D shapes that make up the faces of these objects.

Word bank: Cube · Cuboid · Sphere · Cylinder · Cone · Pyramid · Vertex · Edge · Face

1. Max finds a tin of peas. Which 3D shape is it, and how many flat faces does it have? (2 marks)

2. Max finds a wooden block that is a cube. How many vertices (corners) does a cube have? (2 marks)

3. A traffic cone is left on the path. Which 2D shape can you see at the bottom (the base) of the cone? (2 marks)

4. Max builds a tower using a square-based pyramid. How many edges does this pyramid have in total? (2 marks)

5. True or False: A sphere has no edges and no vertices. Explain your reasoning. (2 marks)

Draw: Draw a 'Shape Robot' using only 2D shapes. Label the different shapes you have used (e.g., rectangle, circle, triangle, pentagon).



Extension challenge: Max wants to buy some garden netting that costs £4.50. If he pays with a £5 note, how much change should he receive? Write the answer in pounds and pence.