

Max's Shape-Hunting Adventure

Learning objective: To identify, describe, and compare the properties of 2D and 3D shapes, including counting vertices, edges, and faces.

Help Max the monkey sort his collection of items! Read the questions carefully and use your knowledge of geometry to find the answers.

Word bank: vertex · edge · face · curved · straight · sphere · cube · pyramid · pentagon

1. Max has a wooden block that is a cube. How many faces does a cube have, and how many vertices does it have? (2 marks)

2. Zara is drawing a shape with 5 straight sides and 5 vertices. What is the name of this shape? (1 mark)

3. Look at a cylinder and a sphere. Which one has a flat face? Which one has no vertices or edges? (2 marks)

4. Max finds a shape with 3 straight sides. Is this shape a triangle or a rectangle? Explain how you know. (2 marks)

5. If Max buys a toy pyramid for £2 and a sphere for £3, how much does he spend in total? Write the amount in pounds (£). (1 mark)

Draw: Draw a collection of objects that Max might find in his jungle workshop. Include one object that is a cuboid, one that is a cone, and one that is a square.



Extension challenge: Can you find an object in your classroom or at home that has a curved surface? Write down the name of the object and describe why it is different from a cube.