

Max the Monkey's Shape Safari

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

Help Max the Monkey solve his shape puzzles! Read each question carefully and write your answer clearly.

Answer Key: 1. B (3 vertices), 2. False (a cube has 6 faces), 3. Cylinder, 4. B (4 right angles), 5. True, 6. 12 edges, 7. C (a shape with 5 sides), 8. False (it has no straight edges), 9. 8 vertices, 10. A (Parallel lines).

Word bank: Vertex · Edge · Face · Polygon · Right angle · Horizontal · Vertical

1. Max found a triangle. How many vertices does it have? A) 2 B) 3* C) 4 D) 5 (1 mark)

2. True or False: A cube has 4 faces. (1 mark)

3. I have one curved surface and two flat circular faces. What shape am I? (1 mark)

4. Which shape has four right angles? A) Triangle B) Square* C) Hexagon D) Pentagon (1 mark)

5. True or False: A sphere has no corners or edges. (1 mark)

6. How many edges does a cuboid have? (1 mark)

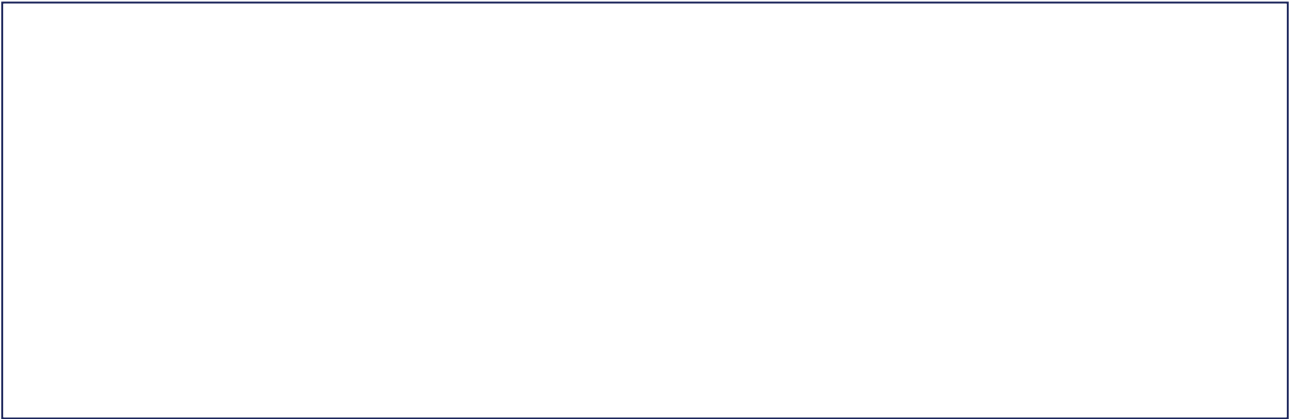
7. What is the name for a 5-sided shape? A) Quadrilateral B) Hexagon C) Pentagon* D) Octagon (1 mark)

8. True or False: A circle is a polygon. (1 mark)

9. How many vertices does a cube have? (1 mark)

10. What do we call lines that never meet? A) Parallel* B) Perpendicular C) Vertical D) Horizontal (1 mark)

Draw: Draw a picture of Max the Monkey holding a shape that has exactly 6 flat faces. Label the edges and vertices on your drawing.



Extension challenge: Max has £5.00. He wants to buy a set of 3D plastic shapes for his classroom. Each shape costs 80p. How many shapes can he buy, and how much change will he have left?