

Max the Monkey's Geometry Jungle Challenge

Learning objective: To identify, describe, and classify 2D and 3D shapes, and recognise angles as properties of shapes.

Max the Monkey loves finding shapes in the jungle! Help him solve these 10 geometry puzzles. Read each question carefully and write your answers clearly.

Answer Key: 1. B (3), 2. False, 3. False, 4. A (Right angle), 5. Vertex, 6. True, 7. B (Square-based pyramid), 8. 4, 9. False, 10. True.

Word bank: Right angle · Vertex · Parallel · Perpendicular · Polygon · Face · Edge · Horizontal

1. 1. Max is looking at a triangle. How many sides does a triangle have? A) 2 B) 3* C) 4 D) 5 (1 mark)

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

3. 3. True or False: A cube has 12 faces. (1 mark)

4. 4. What do we call an angle that looks like the corner of a square? A) Right angle* B) Acute angle C) Obtuse angle D) Straight angle (1 mark)

5. 5. What is the mathematical word for the 'corner' where two edges meet on a 3D shape? (1 mark)

6. 6. True or False: A rectangle has four right angles. (1 mark)

7. 7. Which shape has a square base and four triangular faces? A) Cube B) Square-based pyramid* C) Sphere D) Cone (1 mark)

8. 8. How many sides does a regular quadrilateral (a square) have? (1 mark)

9. 9. True or False: A sphere has at least one flat face. (1 mark)

10. 10. True or False: Two lines that never meet and stay the same distance apart are called parallel lines. (1 mark)

Draw: Draw a picture of a jungle scene using only 2D shapes. Use triangles for trees, a rectangle for a river, and circles for the sun and flowers.



Extension challenge: Max has £5.00. He wants to buy a set of plastic 3D shapes that costs £3.75. How much change would he receive? If he also buys a ruler for 80p, how much money does he have left in total?