

Max's Geometry Challenge

Learning objective: To identify 2D shapes, compare angles, and recognize lines of symmetry.

Read each question carefully. Use the word bank if you get stuck. Write your answers clearly in the spaces provided.

Max the monkey is looking at shapes in the jungle. He sees leaves, rocks, and trees. He wants to see if you can help him sort them out!

Word bank: acute · obtuse · right angle · symmetry · parallel · horizontal · vertical

1. 1. Look at these two angles. Which one is an acute angle and which one is an obtuse angle? (2 marks) (2 marks)

2. 2. Max found a square. How many right angles does a square have? (1 mark) (1 mark)

3. 3. Draw a line of symmetry on this shape: [Square]. Explain what a line of symmetry means. (3 marks) (3 marks)

4. 4. Max sees two tree branches that will never touch. What do we call lines that never touch and stay the same distance apart? (2 marks) (2 marks)

5. 5. Look at the shapes below. List the names of the shapes and say how many sides each one has. (4 marks) (4 marks)

6. 6. Max is building a pattern. Explain why a triangle is different from a rectangle. Use words like 'sides', 'corners', and 'angles' in your answer. (5 marks) (5 marks)

7. 7. A shopkeeper sells a triangular frame for £4.50 and a square frame for £6.25. If Max buys both, how much does he spend in total? (8 marks) (8 marks)

Draw: Draw a shape that has exactly one pair of parallel lines.



Extension challenge: Total: /25