

Max the Monkey's Symmetry Hunt

Learning objective: To identify and draw lines of symmetry in 2D shapes and patterns.

Max the Monkey loves finding patterns. Look at the shapes below. Use a ruler to draw a straight line where you think the shape can be folded perfectly in half. This is called a line of symmetry. Follow the steps below to complete your symmetry report.

Word bank: symmetry · line · fold · mirror · shape · half · match · pattern

1. Look at a square. Draw a line to show where you can fold it so both sides match. Describe what you see. (2 marks)

2. If you put a mirror on the line of symmetry, what happens to the other half of the shape? (2 marks)

3. Max found a triangle. Can you draw a line of symmetry on it? Explain why it is or is not symmetrical. (2 marks)

4. Think of a shape at home. Name the shape and tell me how many lines of symmetry it has. (2 marks)

Extension challenge: Can you draw a pattern that has more than one line of symmetry? Show Max your design!