

Max's Symmetry Safari

Learning objective: To identify, describe, and draw 2D shapes with one or more lines of symmetry.

Help Max the monkey solve his symmetry puzzles! Use a ruler to help you draw lines of symmetry and identify which shapes are perfectly balanced.

Word bank: Symmetry · Line of symmetry · Mirror line · Reflect · Balanced · Vertical · Horizontal

1. Max has found some shapes in the jungle. Which of these shapes have at least one line of symmetry? Circle them: A square, a scalene triangle, a regular pentagon, and a parallelogram. (2 marks)

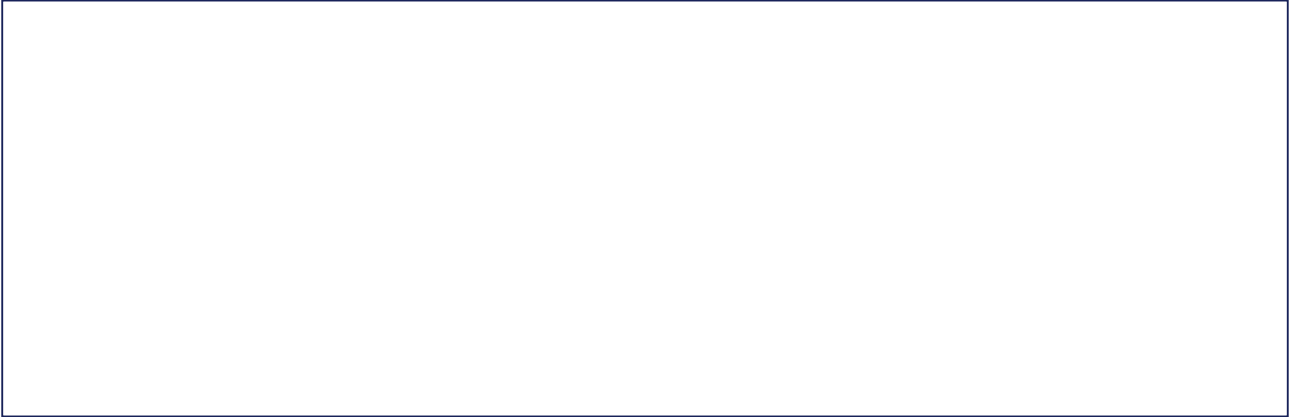
2. Draw a vertical line of symmetry through the centre of a rectangle. If you folded the rectangle along this line, what would you notice about the two halves? (2 marks)

3. Look at the letter 'A'. Does it have a line of symmetry? If so, draw it on the letter. (1 mark)

4. Zara the zebra has painted a pattern. If the left side has a blue circle 2cm from the centre line, where must the matching blue circle be on the right side to keep it symmetrical? (2 marks)

5. Max says, 'All triangles have three lines of symmetry.' Is he correct? Explain your answer using what you know about different types of triangles. (2 marks)

Draw: Draw a simple symmetrical butterfly. Start by drawing a vertical line down the middle of your page, then draw one wing on the left side and reflect it perfectly on the right side.



Extension challenge: Find three objects in your classroom or at home that have a line of symmetry. Write down the names of the objects and describe where the line of symmetry would be.