

Zara's Symmetrical Art Studio

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

Help Zara the zebra decorate her art studio! Use a ruler to ensure your lines are perfectly straight. Remember, a shape is symmetrical if it looks exactly the same on both sides of the line.

Draw: Draw a large, clear square in the centre of the page. To the left of the square, draw a simple butterfly wing. Ask the student to complete the butterfly by drawing the matching wing on the right side of a vertical 'line of symmetry'. Encourage the student to add symmetrical patterns (like circles or stripes) to both wings to make them match perfectly.



Label words: Line of symmetry · Reflect · Mirror image · Vertical · Horizontal · Pattern

Steps:

1. Draw a dashed line of symmetry through the centre of the square below. Explain why this is a line of symmetry.
2. Zara has drawn a triangle. Does it have a line of symmetry? Draw it if it does.
3. If you reflect a shape across a line of symmetry, what happens to its size and shape?
4. Look at the letter 'A'. Draw a vertical line of symmetry through it.
5. Which of these shapes has more than one line of symmetry: a rectangle or a parallelogram?