Max’s Symmetry Challenge

Learning objective: To identify, describe and represent the position of a shape following a reflection or translation, and to recognise line symmetry in 2D shapes.

Use these flashcards to test your knowledge of symmetry. Max the Monkey has hidden the answers—try to guess them before checking the back of the card!

What is a line of symmetry?	An imaginary line where you can fold a shape in half so that both halves match exactly.
How many lines of symmetry does a regular square have?	Four lines of symmetry.
What do we call it when a shape is flipped over a line of symmetry?	A reflection.
Does a regular pentagon have more or fewer lines of symmetry than a rectangle?	More. A regular pentagon has five, while a rectangle has two.
Max draws a shape and moves it across his page without rotating or flipping it. What is this called?	A translation.
True or False: A scalene triangle has at least one line of symmetry.	False. A scalene triangle has no lines of symmetry.
If a shape is reflected, does the size of the shape change?	No, the shape remains the same size (it is congruent).
Which line of symmetry runs from side to side?	A horizontal line of symmetry.
How many lines of symmetry does a circle have?	An infinite number of lines of symmetry.
What type of symmetry does a shape have if it looks the same after being turned around a central point?	Rotational symmetry.
A letter 'A' has which type of symmetry line?	A vertical line of symmetry.
If you draw a line from the top-left corner to the bottom-right corner of a square, what type of line is this?	A diagonal line of symmetry.