

Max's Magnificent Symmetry Masterclass

Master the Mirror: Can you spot the hidden patterns in everything around you?

- A line of symmetry is a mirror line where one side of a shape is an exact reflection of the other side.
- When you reflect a shape, the new shape remains congruent, meaning it is the same size and shape as the original.
- Translation means moving a shape from one position to another without turning it, flipping it, or changing its size.
- Some shapes, like a square, have four lines of symmetry: two through the sides and two through the corners.
- If a shape has no lines of symmetry, we say it is asymmetrical.

Did you know? Did you know? Symmetry is everywhere in nature! If you look at a butterfly or a snowflake, they often have perfect lines of symmetry. Even the human face has a line of symmetry running right down the center, although no face is perfectly identical on both sides!

Key vocabulary: Symmetrical · Line of symmetry · Reflection · Translation · Congruent · Axis