

Max the Monkey's Symmetry Challenge

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

Use these flashcards to test your knowledge of symmetry. Max the Monkey thinks everything is a puzzle—can you solve these symmetry shapes?

What is symmetry?

Symmetry happens when a shape or pattern is exactly the same on both sides of a line.

What do we call the imaginary line that divides a shape into two identical halves?

A line of symmetry.

If a shape has no line of symmetry, what is it called?

Asymmetrical.

How many lines of symmetry does a square have?

Four.

Does a rectangle have a diagonal line of symmetry?

No, the corners do not match up if you fold it diagonally.

If you look at your reflection in a mirror, is it an example of symmetry?

Yes, the reflection is a symmetrical copy of yourself.

How many lines of symmetry does a regular hexagon have?

Six.

If you draw a line straight down the middle of a butterfly, is it symmetrical?

Yes, both wings are mirror images of each other.

Max has a circle. How many lines of symmetry does it have?

An infinite number of lines.

Can a shape have a horizontal line of symmetry but no vertical one?

Yes, for example, the letter 'B' or 'D'.