

Max's Symmetry Spectacular

Learning objective: To identify, describe, and complete symmetric figures with respect to a specific line of symmetry.

Use these flashcards to test your knowledge of symmetry. Max the monkey has hidden some puzzles for you to solve!

What is a line of symmetry?

A line that divides a shape into two identical, mirror-image halves.

If a shape is 'symmetrical', what does that mean?

It means the shape can be folded along a line so that both halves match exactly.

What do we call a line of symmetry that goes from top to bottom?

A vertical line of symmetry.

What do we call a line of symmetry that goes from left to right?

A horizontal line of symmetry.

How many lines of symmetry does a regular square have?

Four.

How many lines of symmetry does a regular pentagon have?

Five.

True or False: A scalene triangle has no lines of symmetry.

True.

If you reflect a shape across a line of symmetry, does it change size?

No, it remains the same size and shape.

Does a circle have a limited number of lines of symmetry?

No, a circle has an infinite number of lines of symmetry.

Max has a butterfly picture. Is it likely to be symmetrical?

Yes, most butterflies have a vertical line of symmetry down their bodies.

If a shape has a diagonal line of symmetry, in which direction does it run?

From corner to corner (at an angle).

Complete the sentence: A reflection is like looking at an object in a...

Mirror.