

ONE PAGE SUMMARY

Kids Learning > Geometry for Kids > Symmetry

What is Symmetry

Discover the Magic of Symmetry in Shapes!

DEFINITION

Symmetry is when a shape looks the same on both sides if divided. It's like a mirror image.

KEY CONCEPTS

Line of Symmetry

A line that divides a shape into two identical halves.

Types of Symmetry

There are two main types: reflective symmetry and rotational symmetry.

Reflective Symmetry

When one half of a shape is a mirror image of the other half.

Rotational Symmetry

When a shape can be rotated around a point and still look the same.

Symmetrical Shapes

Common symmetrical shapes include circles, squares, and butterflies.

EXAMPLES

- A butterfly has reflective symmetry.
- A square has four lines of symmetry.
- A heart shape has one line of symmetry.

MEMORY TIPS

- ★ Think of a butterfly for reflective symmetry.
- ★ Use the phrase 'mirror image' to remember symmetry.
- ★ Visualize a pizza slice for rotational symmetry.

COMMON MISTAKES

- ✗ Confusing symmetry with similar shapes.
- ✗ Not identifying all lines of symmetry.
- ✗ Assuming all shapes have symmetry.

QUICK RECAP

Symmetry is about balance and identical halves. Remember the types: reflective and rotational. Look for lines of symmetry in various shapes!