ONE PAGE SUMMARY

Kids Learning › Geometry for Kids › Symmetry

What is Symmetry

Symmetry: The Beauty of Balanced Shapes!

DEFINITION

> Symmetry is when a shape looks the same on both sides if divided. It shows balance and harmony in design.

KEY CONCEPTS

Line of Symmetry

A line that divides a shape into two identical halves.

Rotational Symmetry

When a shape looks the same after being rotated a certain number of degrees.

Reflective Symmetry

Another term for line symmetry, where one half mirrors the other.

Order of Symmetry

The number of times a shape matches itself during a full rotation.

Symmetrical Shapes

Shapes like circles and squares that have symmetry.

EXAMPLES

→ A butterfly has two wings that are mirror images.

→ A square has four lines of symmetry.

→ A heart shape has one line of symmetry.

MEMORY TIPS

★ Think of a butterfly to remember reflective symmetry.

★ Use the phrase 'mirror image' to recall line symmetry.

★ Visualize a pizza to understand rotational symmetry.

COMMON MISTAKES

✗ Confusing line symmetry with rotational symmetry.

✗ Not recognizing shapes that have no symmetry.

✗ Assuming all shapes have symmetry.

QUICK RECAP

Symmetry is about balance and identical halves in shapes. Remember the different types like line and rotational symmetry. Practice identifying symmetrical shapes in everyday objects!