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What is Patterns

Discover the Magic of Patterns in Geometry!

DEFINITION

> Patterns are repeated designs or sequences that can be found in shapes and numbers. They help us recognize order and predict what comes next.

KEY CONCEPTS

Repetition

Repetition is when the same shape or number appears multiple times in a sequence.

Sequences

Sequences are ordered lists of numbers or shapes that follow a specific rule.

Symmetry

Symmetry occurs when one side of a shape mirrors the other side.

Patterns in Nature

Many natural objects, like flowers and shells, display patterns that repeat.

Color Patterns

Color patterns use different colors in a specific order to create a design.

EXAMPLES

→ Red, blue, red, blue, red...

→ Circle, square, triangle, circle, square...

→ 1, 2, 3, 1, 2, 3...

MEMORY TIPS

★ Think of patterns as a song that repeats its chorus.

★ Use the phrase 'same, different, same' to remember how patterns work.

★ Visualize patterns like a dance routine that has steps that repeat.

COMMON MISTAKES

✗ Confusing patterns with random sequences.

✗ Forgetting to include all parts of a pattern.

✗ Not recognizing patterns in everyday objects.

QUICK RECAP

Patterns are important sequences that repeat in shapes and numbers. They help us understand and predict what comes next in a design. Remember to look for repetition, sequences, and symmetry in your surroundings!