Max’s Maths Patterns: Non-Verbal Reasoning Flashcards

Learning objective: To develop logical thinking and pattern recognition skills essential for Year 3 non-verbal reasoning tasks.

Use these flashcards to practice spotting patterns in shapes, sizes, and sequences. Max the monkey says: 'Look closely at every detail!'

What is a 'sequence'?

A set of shapes or objects that follow a specific pattern in a particular order.

If a shape turns 90 degrees in the same direction as clock hands, what is this movement called?

Clockwise.

What does 'symmetry' mean?

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

If a pattern shows a square, then a circle, then a square, then a circle, what comes next?

A square.

What is a 'reflection'?

How a shape looks when it is flipped over, like seeing it in a mirror.

If a shape turns 90 degrees opposite to the direction of clock hands, what is this called?

Anticlockwise.

True or False: In a pattern, shapes can change size, colour, or position.

True.

What is the 'odd one out' in a group of three triangles and one square?

The square.

If a pattern grows by adding one side to the shape each time (triangle, square, pentagon), what is the rule?

The number of sides increases by one.

What does 'rotation' mean?

Turning a shape around a central point without changing its size or shape.

If a shape is shaded black, then white, then black, then white, what is the next colour?

Black.

Why is it important to look at the 'orientation' of a shape?

Because it tells you which way up or which way around the shape is facing.