

Max's Non-Verbal Reasoning Challenge

Learning objective: To develop spatial awareness, pattern recognition, and logical thinking skills required for Non-Verbal Reasoning.

Max the monkey loves to solve puzzles! Look at these cards to help you spot patterns, rotations, and sequences. Read the front of the card, think about the pattern, and then check the answer on the back.

What is a 'Rotation' in a pattern puzzle?

Turning a shape around a fixed point, either clockwise or anti-clockwise, without changing its size or shape.

If a shape is flipped over a central line, what is this called?

Reflection (like looking at the shape in a mirror).

What does 'Clockwise' mean when describing how a shape moves?

Moving in the same direction as the hands on a standard analogue clock.

In a sequence of shapes that changes: Square, Triangle, Square, Triangle... what is the next shape?

Square.

What is 'Symmetry'?

When a shape or pattern looks identical on both sides of a dividing line.

If a shape turns 90 degrees clockwise, how does it look?

It has made a quarter-turn to the right.

What is a 'Sequence' in a non-verbal reasoning task?

A set of shapes or objects that follow a logical rule or pattern one after another.

If a pattern shows an arrow pointing up, then right, then down, what is the rule?

A 90-degree clockwise rotation.

What is the opposite of 'Clockwise'?

Anti-clockwise.

If a shape is scaled up (made bigger) but keeps its exact appearance, what has changed?

The size, but the proportions remain the same.

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

To see if the shape has been rotated or flipped, which changes how it fits into a pattern.

Max has 3 shapes in a row. The first has 1 dot, the second has 2 dots, the third has 3 dots. What is the pattern?

An increasing sequence, adding 1 dot each time.