Non-Verbal Reasoning Challenge with Max the Monkey

Learning objective: To develop spatial awareness, pattern recognition, and logical deduction skills through non-verbal reasoning tasks.

Max the Monkey loves finding patterns in everything! Read each card carefully to identify the rule or the missing piece in the sequence. Try to solve these without using words, just like Max!

What is the term for a shape that is flipped over an axis to create a mirror image?	**If a shape turns 90 degrees in the direction of a clock's hands, what is this movement called?**
Reflection	Clockwise rotation
Max sees a square turn into a triangle, then a pentagon. What is the rule based on the number of sides?	**If a shape is shaded on the left, then the right, then the left, what is the next step in the sequence?**
The number of sides increases by one each time	Shaded on the right
What do we call a shape that looks exactly the same when folded in half?	**If a pattern shows an arrow pointing up, then right, then down, which way does it point next?**
Symmetrical	Left (90-degree clockwise rotation)
In a 3x3 grid, if a dot moves from the top-left corner to the centre, what is the most likely next position?	**What is the name for a pattern that repeats in a specific order?**
Bottom-right corner (moving diagonally)	A sequence
If a shape is turned 180 degrees, how does it compare to its original orientation?	**What is the primary difference between rotation and reflection?**
It is upside down	Rotation turns the shape around a point, while reflection flips it over a line
Max finds a shape with a dot inside. If the dot moves to the outside in the next step, what might the rule be?	**Why is it important to check the orientation of a shape when solving non-verbal sequences?**
Inversion of position	Because the direction a shape faces is often part of the logical pattern