

Max's Magnificent Pattern Detectives

Sharpen your focus and unlock the logic—can you see the pattern hiding in plain sight?

- When a shape undergoes a reflection, it behaves exactly like an image in a mirror. The distance from the line of symmetry remains the same for every point.
- A rotation occurs when a shape turns around a fixed point. Always check if the shape is turning clockwise or anti-clockwise and by how many degrees.
- In a sequence puzzle, look for the 'rule of change'. Ask yourself: Is a new element added each time, or is the existing shape changing its shading or size?
- Spatial awareness requires you to imagine moving a 2D shape in your mind. Try to visualise how the shape would look if it were flipped or turned upside down.
- When comparing two complex patterns, eliminate the options that clearly do not fit the established rule first. This makes finding the correct answer much simpler.

Did you know? Did you know that Non-Verbal Reasoning isn't just about puzzles? It is the same kind of logical thinking that architects use to design bridges and that computer programrs use to write complex code! Your brain is like a muscle; the more patterns you spot, the faster it grows.

Key vocabulary: Rotation · Reflection · Symmetry · Sequence · Transformation · Orientation