



St Mary's School  
CAMBRIDGE

**Year 5**

**Non Verbal Reasoning**

**Sample**

## Non-verbal Reasoning Test Years 5

Non-verbal reasoning is problem-solving based around pictures, diagrams and shapes, rather than words. The 'questions' use drawings, shapes or codes instead of words, and your child will need to work out sequences, similarities and differences between these figures or break the code.

Non-verbal reasoning tests are designed to see how your child can use critical thinking and logic to solve problems, and are an indication of their reasoning skills, spatial awareness and powers of deduction. The results provide a good indication of thinking ability and potential.

Below you will find some sample 'questions' that ask you to identify the pattern or next item in a sequence. The objective is to reason which is the best choice to take the place of the ?

Remember to look for similarities and/or differences in shape and shading, positioning or patterns. There are several online websites which have free sample tests for further practice.

# Practice Test

**P1.**

A large oval contains a question mark and four shapes: a diamond, a triangle, a circle, and a semi-circle. Below the oval are four options: A (a square with two circles), B (a triangle), C (a circle with diagonal stripes), and D (a square with a grid pattern).

**A**      **B**      **C**      **D**

**P2.**

A large oval contains a question mark and four smaller ovals, each containing two plus signs. Below the oval are four options: A (an oval with three crosses), B (an oval with one cross), C (a rectangle with two crosses), and D (an oval with two crosses).

**A**      **B**      **C**      **D**

**P3.**

A horizontal row of five boxes. The first four boxes contain stars of increasing size (small, medium, large, very large). The fifth box contains a question mark. Below the row are four options: A (a very large star), B (a small star), C (a large star), and D (two small stars).

**A**      **B**      **C**      **D**

**P4.**

A horizontal row of five boxes. The first four boxes contain: a circle on a stem, a square in a circle, a circle on a stem, and a square in a circle. The fifth box contains a question mark. Below the row are four options: A (a square in a circle on a stem), B (a circle on a stem), C (a square in a circle), and D (a square in a circle).

**A**      **B**      **C**      **D**

**P5.**

A 3x3 grid of shapes. Row 1: a solid black circle, a circle with a vertical line through the center, and an empty circle. Row 2: a solid black semi-circle, a semi-circle with a vertical line through the center, and an empty semi-circle. Row 3: a solid black chevron shape, a chevron shape with a vertical line through the center, and a question mark. Below the grid are four options: A (a chevron shape), B (an empty chevron shape), C (an empty semi-circle), and D (an empty circle).

**A**      **B**      **C**      **D**

**P6.**

A 2x2 grid of shapes. Top-left: two circles with a dot between them. Top-right: two circles with a dot between them, and two circles with a dot between them. Bottom-left: a horizontal bar with a dot on the left end. Bottom-right: a question mark. Below the grid are four options: A (two horizontal bars with dots on the left ends), B (a horizontal bar with a dot on the right end), C (two vertical bars with dots on the top ends), and D (a vertical bar with a dot on the top end).

**A**      **B**      **C**      **D**