

# NDAU Task Information

## Non-Verbal Reasoning

### What is non-verbal reasoning?

Non-verbal reasoning involves the ability to understand and analyse visual information and solve problems using visual skills.

### Why is non-verbal reasoning important?

Children with good non-verbal reasoning ability are better at recognising visual sequences and identifying relationships between visual objects. This ability enables individuals to analyse and solve complex problems without relying upon language skills.

### How do we measure non-verbal reasoning?

We measure non-verbal reasoning using tasks from the Lucid Ability tests that take account of the child's age.

Children aged 4 – 6 years old complete the Dressing Up task (see Figure 1). This is a mental rotation task where the child is shown 'Zoid' (in the middle) and four of his friends around him on the computer screen. Zoid and his friends are all playing a dressing-up game together and are wearing or carrying different items. The child has to decide which one of Zoid's four friends has copied him exactly.

Children aged 7 or above will complete the Matrix Puzzle task (See Figure 2). A pattern will appear with a missing shape replaced by a question mark. The child has to choose which of six possible options is the missing shape that completes the pattern.

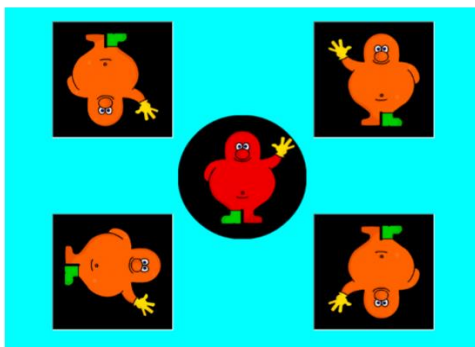


Figure 1. Dressing Up Task

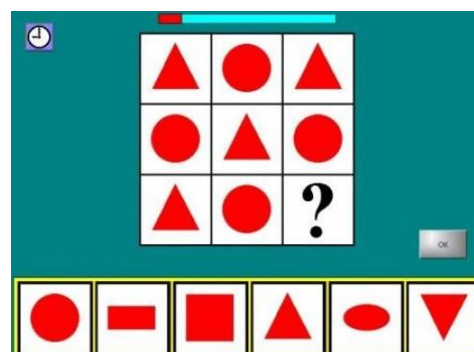


Figure 2. Matrix Puzzle Task