



## MATHS ASSESSMENT

Leo

DATE: 25<sup>th</sup> October 2024

### **Background**

The purpose of our assessment is twofold. Firstly, we look to identify each student's level in relation to their age. Secondly, we look to identify suitable areas for further study to improve each student's mathematical knowledge. At Arka our learning plans are tailored to each student's strengths and weaknesses as well as their specific goal (e.g. if a student is approaching 11+ we will ensure specific exam preparation is included as appropriate).

It is worth noting that for both purposes this assessment is just the starting point. At Arka we pride ourselves on devising programmes that continually assess students and adapt to their specific needs. As we develop a more comprehensive understanding of each child's level and areas for development we continually update each child's learning plan to ensure we are maximising the impact of their time in our centre.

Our Maths assessment is made up of an initial verbal assessment as well as a written assessment. The verbal assessment looks to establish how students think and reason mathematically. It allows us to see not only if students know the right answer but how they get to that answer and their level of understanding as to **why** problems are solved in the way they are. Our written assessment allows us to see how students can perform on a range of different calculations and topic areas.

### **Verbal Assessment**

Our verbal assessment was split into two parts and my comments are as follows.

#### Introductory Addition and Subtraction

Leo was able to add and subtract numbers in his head. He did use finger counting to help him.

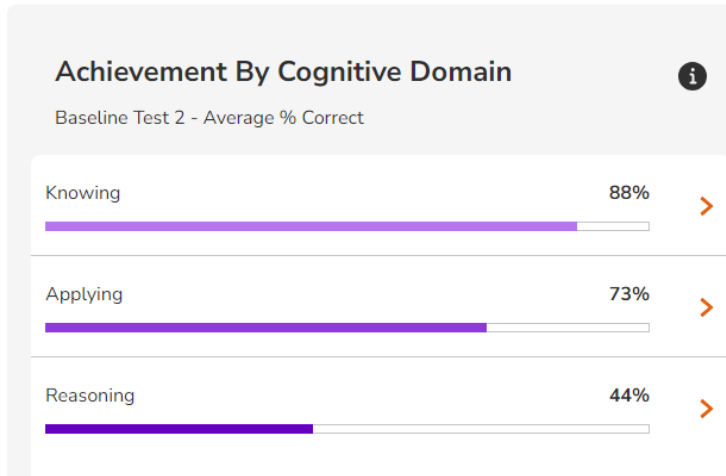
## Written Assessment

Leo sat paper 1 and paper 2 of our year 2 assessment which tests all prior knowledge of year 1. The scores below are an average of each paper combined.

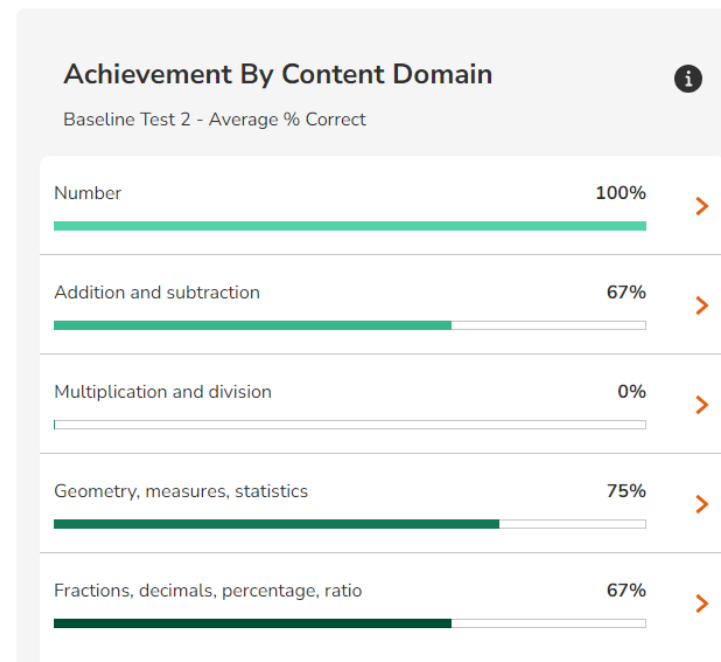
### Scores:

Overall score: 74%

### Achievement By Cognitive Domain



### Achievement By Content Domain



### Comments:

Leo's overall score was 74% which shows a strong maths ability. We can see in his cognitive domain he has high scores in his areas of knowledge and has a strong ability to apply that knowledge. Where he struggles in with reasoning. This is something we would be able to support Leo with.

Within Leo's content domain, we can see that his understanding of numbers, addition and subtraction and geometry shape and measure is strong. His fractions score is also high, however there are only 2 questions relating to fractions across both papers so therefore this would be an area we would look support Leo in. We would also look to support Leo in his multiplication and division knowledge

### **Recommended Study Programme**

Leo is in a strong position to make good progress in maths. We will work with him to ensure he becomes confident in completing any question placed in front of him. We will ensure that Leo is given the skills to reason and apply his knowledge to all question types and increase his ability to answer questions related to fractions, decimals and percentages and multiplication and division.