

#### Tríníty Fírst School Calculatíon Polícy

2023

Flourishing together through

kíndness, curíosíty, respect, resílíence and teamwork.

#### **Trinity First School**

Calculation Policy - 2022



At Trinity First we believe that children should be introduced to the processes of calculation through practical, oral and mental activities. As children begin to understand the underlying ideas they develop ways of recording to support their thinking and calculation methods, use particular methods that apply to special cases, and learn to interpret and use the signs and symbols involved.

Please note that early learning in number and calculation in the Early Years Foundation Stage follows the 'Statutory framework for the early years foundation stage' (September2021) document and this calculation policy is designed to build on progressively from the content and methods established in the Early Years.

Choosing the appropriate strategy, recording in mathematics and in calculation in particular is an important tool both for furthering the understanding of ideas and for communicating those ideas to others. A useful written method is one that helps children carry out a calculation and can be understood by others. Written methods are complementary to mental methods and should not be seen as separate from them. The aim is that children use mental methods when appropriate, but for calculations that they cannot do in their heads they use an efficient written method accurately and with confidence. It is important children acquire secure mental methods of calculation and efficient written methods of calculation, subtraction, multiplication and division which they know they can rely on when mental methods are not appropriate. Throughout the school children are encourage to follow a Concrete, Pictorial & Abstract (C.P.A.) approach to aid their calculation and deepen their understanding.

This document identifies progression in calculation strategies and whilst year groups are identified these are suggestions rather than a prescriptive method of what should be taught in a particular year group. Children should not be made to go onto the next stage if they are not ready or not confident to do so.

By the end of Year 4, children should be able to choose an appropriate approach to solve a problem: making a choice between using jottings (an extended written method), an efficient written method or a mental method.

This policy contains the key pencil and paper procedures that will be taught within our school alongside practical resources. It has been written to ensure consistency and progression throughout the school and reflects a whole school agreement.

## ADDITION







![](_page_6_Figure_0.jpeg)

# SUBTRACTION

![](_page_8_Figure_0.jpeg)

![](_page_9_Figure_0.jpeg)

![](_page_10_Figure_0.jpeg)

![](_page_11_Figure_0.jpeg)

# MULTIPLICATION

![](_page_13_Picture_0.jpeg)

![](_page_14_Figure_0.jpeg)

![](_page_15_Figure_0.jpeg)

![](_page_16_Figure_0.jpeg)

## DIVISION

![](_page_18_Figure_0.jpeg)

![](_page_19_Figure_0.jpeg)

![](_page_20_Figure_0.jpeg)

![](_page_21_Figure_0.jpeg)