

HOLGATE PRIMARY & NURSERY SCHOOL



Primary and Nursery School

A guide for parents on written
calculations in mathematics

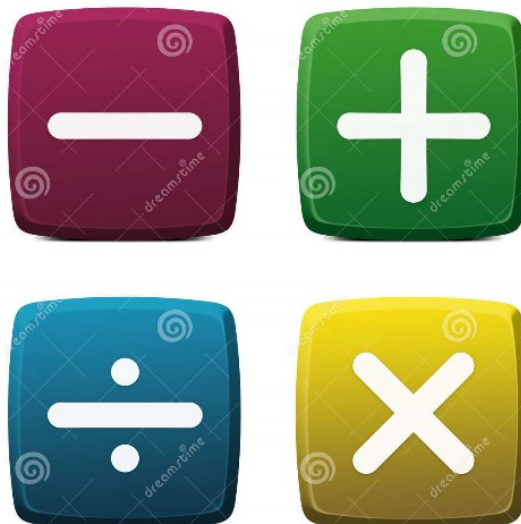
Foundation Stage

This booklet is designed to support parents understand the strategies/methods used in school when teaching children a formal written method to solve a problem. It shows the progression in calculation strategies for each of the four operations: addition, subtraction, multiplication and division. For each operation there are stages that children need to work through and build upon their basic skills.

These are the calculations that you child will do during the foundation stage. These stages are progressive and will be built upon throughout the academic year. Children will work through these stages at different paces to ensure that they are confident and can apply them independently.

For children to develop a good sense of number, it is important to lay firm foundations in mathematics and to build on these in a systematic way.

At Holgate Primary we have taken into account the way children develop in their learning and understanding, beginning with a firm grounding in mental calculations, and using these skills to develop effective written methods for calculations.



Addition

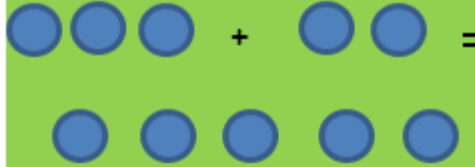
Stage 1

Counting using fingers and objects.



Stage 2

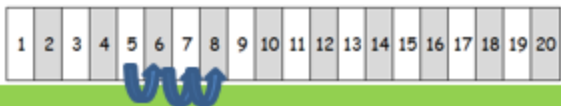
Counters or pictures used to show amounts.



Stage 3

Counting on a number track (single numbers).

$$5 + 3 =$$



Stage 4

Using a number line (single jumps)

$$7 + 5 =$$



Subtraction

Stage 1

Using fingers to show taking away.



Stage 2

Using objects/counters to show taking away.

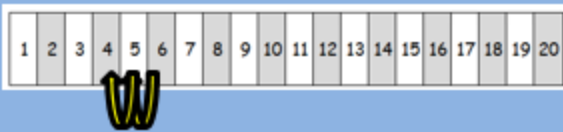
$$6 - 2 = 4$$



Stage 3

Using a number track to count back.

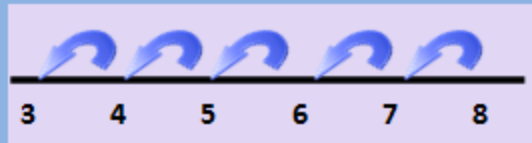
$$6 - 2 = 4$$



Stage 4

Using a number line to count back.

$$8 - 5 = 3$$



Multiplication

Stage 1

Songs and counting in 2s, 5s and 10s.



Division

Stage 1

Halving shapes, numbers and quantity of objects.

Stage 2

Sharing numbers using counters/objects
(÷)

$$6 \div 2 = 3$$

