## Bullion Lane Primary School



EYFS Calculation Policy

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This policy supports the White Rose maths scheme used throughout the school.
Progression within each area of calculation is in line with the programme of study in the 2014 National Curriculum and the EYFS Statutory Framework.

This calculation policy should be used to support children to develop a deep understanding of number and calculation. This policy has been designed to teach children through the use of concrete, pictorial and abstract representations.

Concrete representation - a pupil is first introduced to an idea or skill by acting it out with real objects. This is a 'hands on' component using real objects (manipulatives) and is a foundation for conceptual understanding.

Pictorial representation - a pupil has sufficiently understood the 'hands on' experiences performed and can now relate them to representations, such as a diagram or picture of the problem.

Abstract representation - a pupil is now capable of representing problems and calculations by using mathematical notation, for example $4-1=3,12 \times 2=24$.

It is important that conceptual understanding, supported by the use of representation, is secure for all procedures. Reinforcement is achieved by going back and forth between these representations.

Key language: sum, total, parts and wholes, plus, add, altogether, more, 'is equal to', 'is the same as'.
EYFS - Addition Adds and subtracts, using quantities and objects, 2 single-digit numbers, and counts on or back to find the answer (ELG).

Finds the total number of items in two groups by counting all of them.

> Combining two parts to make a whole (use other resources too e.g. eggs, shells, teddy bears, cars).


Children to represent the cubes using dots or crosses. They could put each part on a part whole model too.
$4+3=7$
Four is a part, 3 is a part and the whole is seven.


| Subtraction | Concrete | Pictorial | Abstract |
| :--- | :--- | :--- | :--- |

Key language: take away, less than, the difference, subtract, minus, fewer.




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