

Calculation Policy adapted from White Rose Maths HubProgression in Calculations - supported with a rich use of vocabulary and discussion throughout using 'stem sentences'

## Calculation policy: Addition

Key language: sum, total, parts and wholes, plus, add, altogether, more, 'is equal to' 'is the same as'.

## Concrete/ Build it

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


Pictorial / Draw it

Children to represent the cubes using dots or crosses. They could put each part on a part whole model too.


## Abstract/ Write it/ Say it

$4+3=7$
Say it: Four is a part, three is a part and seven is the whole.



Regrouping to make 10; using ten frames and counters/cubes or using Numicon.

$6+5$

Children to draw the ten frame and counters/cubes.


Children to develop an understanding of equality e.g.
$6+\square=11$
$6+5=5+\square$
$6+5=\square+4$
Say it: The equals sign balances the totals on each side.

| TO + O using base 10. Continue to develop understanding of partitioning and place value. $41+8$ | Children to represent the base 10 e.g. lines for tens and dot/crosses for ones. | $41+8$ $\begin{aligned} & 1+8=9 \\ & 40+9=49 \end{aligned}$ <br> Say it: the ones total nine the tens total forty. I recombine to make forty nine. |
| :---: | :---: | :---: |
| TO + TO using base 10. Continue to develop understanding of partitioning and place value. $36+25$ | Chidlren to represent the base 10 in a place value chart. | Looking for ways to make 10. <br> Say it: I exchange 11 ones for 1 ten and 1 one |



