

Progression in calculation – EYFS

Our mastery approach:

Statement of Intent

Stamford Bridge Primary School has adopted a mastery approach to the teaching of mathematics. We believe that a secure conceptual understanding of mathematics is essential in order to ensure maths is meaningful and accessible to all. We aim to nurture a love of mathematics and, above all, prepare our children to use and apply their learning effectively in the real world.

EYFS Progression in addition

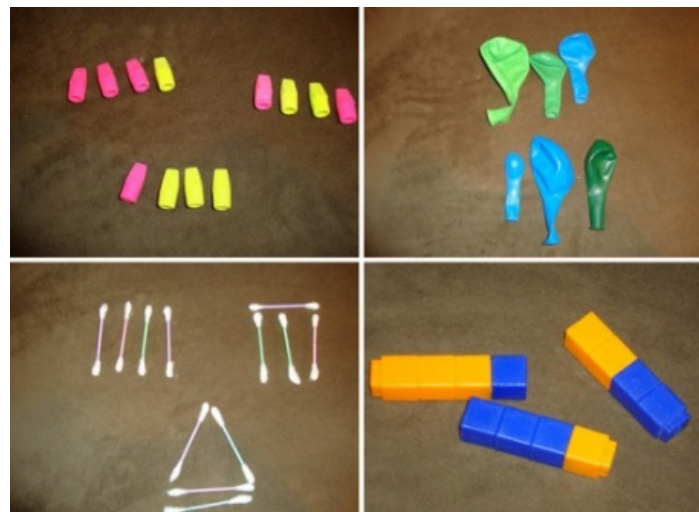
22-36 months:

Knows that a group of things changes in quantity when something is added

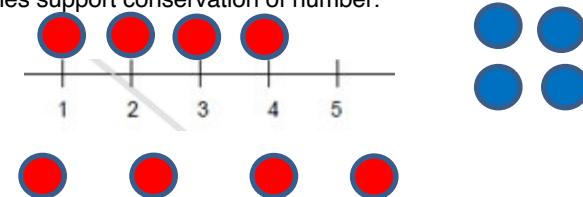


30 – 50 months:

Separates a group of three or four objects in different ways, beginning to recognise that the total is still the same.



Matching objects to numerals on number lines support conservation of number.



40-60+ months:

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



Find the total number of balls shown here.



5 balls

and



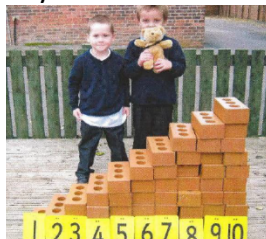
3 balls

total

Action – vocab – symbols

Do it – say it – record it

Says the number that is one more than a given number.



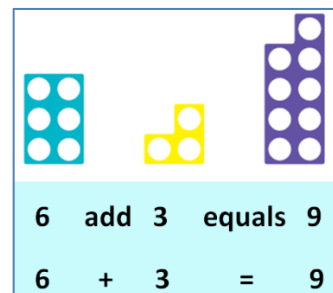
In practical activities and discussion, beginning to use the vocabulary involved in adding



Early learning goal

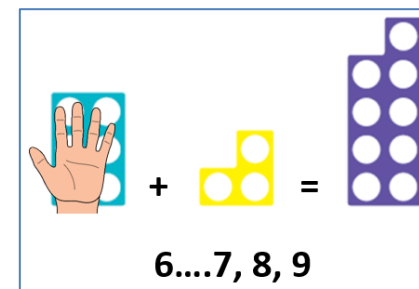
Say which number is one more or one less than a given number.

Using quantities and objects, they add two single-digit numbers and count on to find the answer.

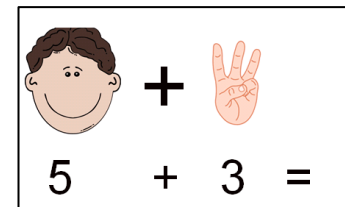


Action – vocab – symbols

Do it – say it – record it



Counting on is the key skill here. Hand over Numicon to count on, move to make hidden set in front of kids then count on, move to hidden set, number line counting on, straight track game with dice, number dice and spot dice,



EYFS – Progression in subtraction

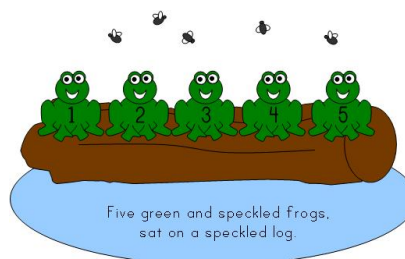
22-36 months:

Knows that a group of things changes in quantity when something is taken away



30 – 50 months:

Shows an interest in simple subtraction number problems



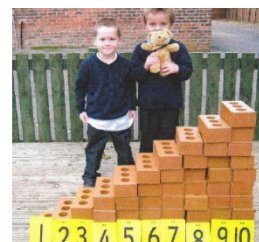
40-60+ months:

In practical activities and discussions, begins to use vocabulary involving subtraction



Early learning goal

Says the number that is one less than a given number.



Using quantities and objects, they subtract two single-digit numbers and count back to find the answer.

Counting back

EYFS – Progression in multiplication

30 – 50 months:

Compares two groups of objects, saying when they have the same number.



'same' and 'different' taught as vocab and concepts

Early learning goal

They solve problems, including doubling, halving and sharing.



Introduced to concept and vocab
 $3 + 3$ is a double

Butterfly wings
Ladybird spots
Spots on socks
Numicon



EYFS – Progression in division

22-36 months:

Begins to make comparisons between quantities.

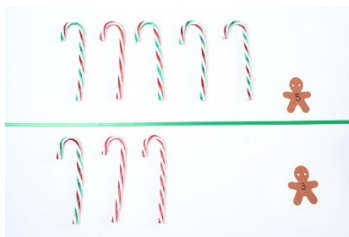
Vocab - more, less/fewer



30 – 50 months:

Compares two groups of objects, saying when they have the same number.

Vocab - same, different, fair



40 - 60+ months:

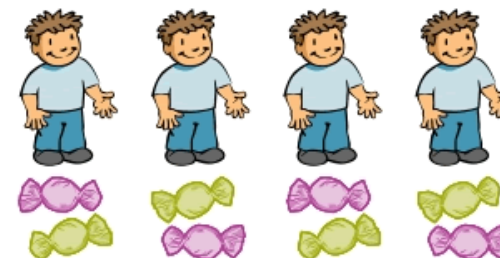
Begins to identify own mathematical problems based on own interests and fascinations.



Early Learning Goal:

They solve problems, including doubling, halving and sharing.

Sharing problems



Halving Numicon

