

EYFS

Addition

Counting

Children are introduced to the concept of counting, number order and number recognition through practical activities and games.



When counting, 1:1 correspondence (pointing to each object as they count) is a key skill, along with the knowledge that anything can be counted, for example, claps, steps and jumps.



Children practise selecting the correct numeral to represent amounts to 10 before moving on.

Finding 1 more

Once secure with counting, children count forwards to find 1 more.



Subtraction

Counting backwards

Children are introduced to the concept of counting backwards through child initiated games such as singing counting songs and playing running races ("5,4,3,2,1,0 - GO!").

Finding 1 less

Once this skill is secure, children learn to count backwards to find 1 less.



Children are introduced to the concept of 'less' by learning that subtracting means taking away a certain number of objects from a group (leaving them with less objects).

Taking away ones



Children count a set of objects then take away 1 at a time. They then recount the set using 1:1 correspondence to find out how many are left.

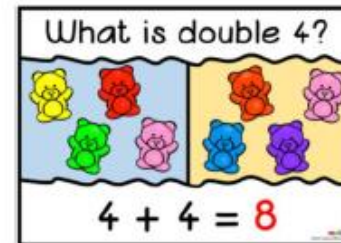
Multiplication

Doubling

The concept of doubling is taught as adding two equal groups together.

Before doubling can be introduced, children need to have a secure knowledge of counting, number facts and addition.

Children use practical resources to add together 2 equal groups of objects.



Children practise this skill using a range of practical resources and through games and activities.



Division

Halving and sharing

Before halving and sharing can be introduced, children need to have a secure knowledge of counting backwards, number facts and subtraction.

Children should then be introduced to the concept of halving and sharing through practical games and activities.



Children practise physically 'halving and sharing' through activities such as sharing food for their Teddy Bear's Picnic, sharing resources equally to play a game.



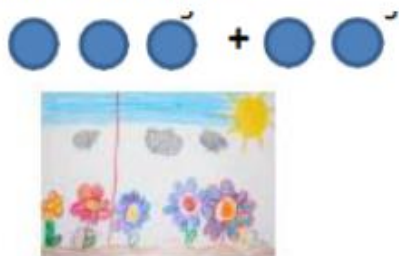
Find the total number of items in 2 groups by counting

Once counting is secure, children are introduced to the concept of 'more' by learning that adding two groups of objects together gives them a larger number (more objects).

Children use concrete apparatus to combine 2 groups by counting each object.



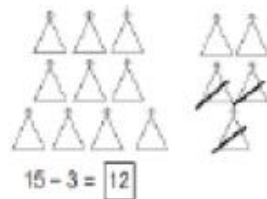
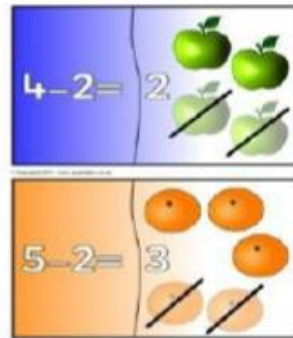
Children make a record in pictures, words or symbols of addition activities.



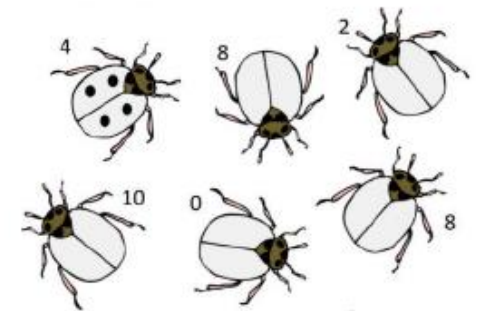
Children use physical objects to demonstrate how something can be taken away.



Once, understanding is secure, children move on to crossing out drawn representations.



By the end of Reception, children are expected to understand the concept of doubling and to be able to double a number up to 10.



By the end of Reception, children are expected to understand the concept of halving and sharing.

