

Multiplication -

Multiply with concrete objects, arrays and pictorial representations

Children are taught to understand multiplication as repeated addition and scaling. It can also describe an array.

 $2 \times 4 =$

Each child has two eyes. How many eyes do four children have?

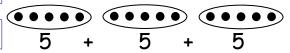
Drawing pictures is very useful to help children visualise the problem.



2 + 2 + 2 + 2

 $5 \times 3 =$

There are 5 cakes in a pack. How many cakes are in three packs?



Dots or tally marks are often grouped. This shows 3 lots of 5.

Key number skills:

Count in 2's, 5's and 10's
Solve one step problems involving
multiplication, by calculating the
answer using concrete objects,
pictorial representations and
arrays with the support of the
teacher.

Make connections between arrays, number patterns, and counting in twos, fives and tens. Begin to understand doubling using concrete objects and pictorial representations.

Key vocabulary:

groups of, lots of, times, array, altogether, multiply, total, count up in...

Division – group and share small quantities

Children are taught to understand division as repeated subtraction, sharing and grouping.

6 ÷ 2 =

6 lollies are shared between 2 children. How many lollies do they each get?

sharing between 2





There are 6 lollies. How many children can have 2 each? Grouping in 2's









Key number skills:

Solve one-step problems, calculating answers using concrete objects, pictorial representations arrays with support. Through grouping and sharing small quantities, begin to understand division, and find simple fractions of objects, numbers / quantities.

Make connections between arrays, number patterns, and counting in 2s, 5s and 10s.

Drawing often gives the children a way into solving the problem.

Practical things like sweets can also be used to 'share'.

Key vocabulary:

share, share equally, one each, two each..., group, groups of, lots of, array

