



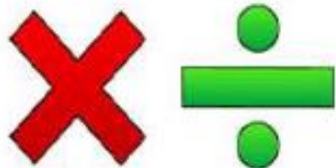
MULTIPLICATION and DIVISION

Year 1

KNOWLEDGE ORGANISER



Overview



MULTIPLICATION
DIVISION

Addition and Subtraction we learn:

- Count in 2s -Count in 5s -Count in 10s
- Make Equal Groups -Add Equal Groups
- Make Arrays -Make Doubles
- Subtraction (Not Crossing 10) -Related Facts
- Make Equal Groups - Grouping and Sharing

Multiplication and Division is useful learning because it is used in many areas of everyday life - e.g. shopping, cooking, or playing games. It also forms the basis for lots of other maths ideas.

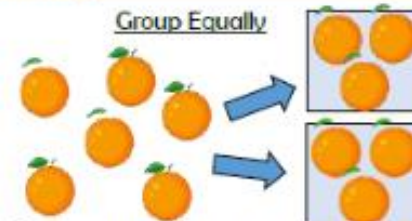
Grouping and Sharing

Making Equal Groups



There are 4 equal groups of socks.

Group Equally



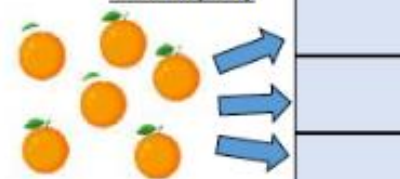
Put the oranges into groups of 5.

Add Equal Groups



$2 + 2 + 2 + 2 = 8$ socks.

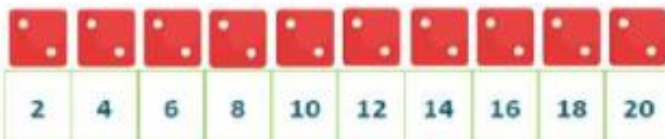
Share Equally



Share the oranges equally.

Count in 2s, 5s and 10s

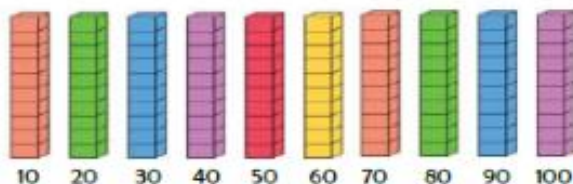
Counting in 2s



Counting in 5s



Counting in 10s



Arrays and Doubles

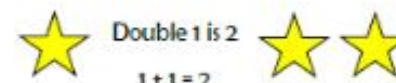
An array is a group of objects or pictures in rows and columns.



3 rows of 5 blue dots = 15 blue dots

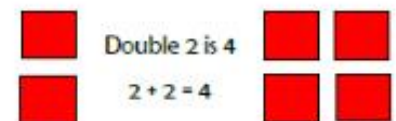
5 columns of 3 blue dots = 15 blue dots

Doubling means to become twice as great/twice as many.



Double 1 is 2

$$1 + 1 = 2$$



Double 2 is 4

$$2 + 2 = 4$$

Key Vocabulary

Number

Multiply

Divide

Equal

Groups

Share

Arrays

Double

Equal

Half