

# MULTIPLICATION and DIVISION

Year 1

## KNOWLEDGE ORGANISER

### Overview



In our unit on 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**  
**DIVISION**

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.

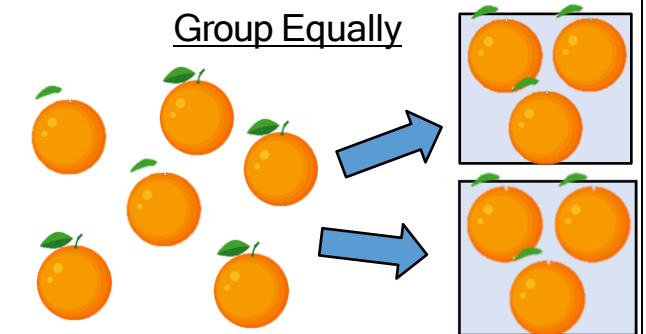
### Grouping and Sharing

#### Making Equal Groups



There are 4 equal groups of socks.

#### Group Equally



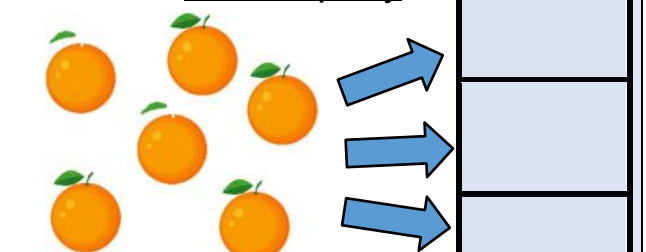
Put the oranges into groups of 3.

#### Add Equal Groups



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

#### Share Equally



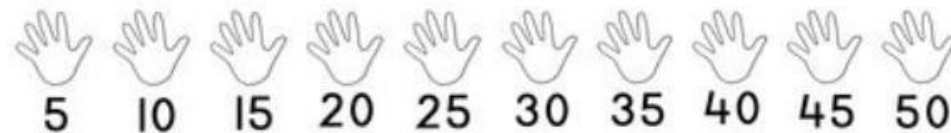
Share the oranges equally.

### Count in 2s, 5s and 10s

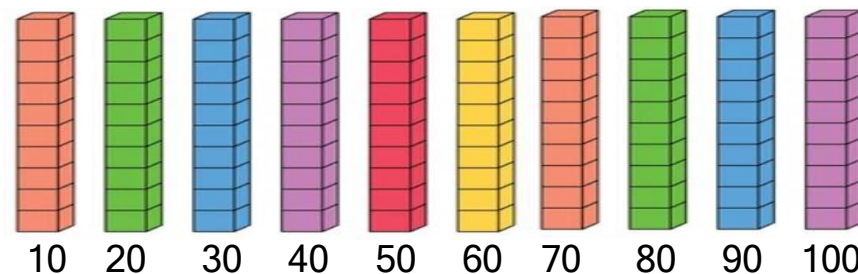
#### Counting in 2s



#### Counting in 5s

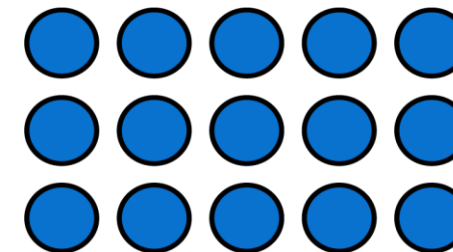


#### Counting in 10s



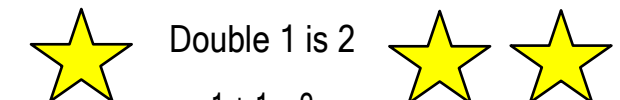
### Arrays and Doubles

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



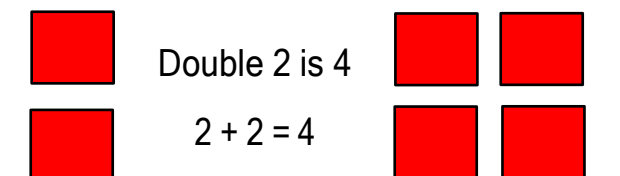
3 rows of 5 blue dots = 15 blue dots  
5 columns of 3 blue dots = 15 blue dots

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