# Maths Multiplication and Division Knowledge Organiser

## Key Vocabulary

| | |
|---|---|
| repeated addition | Adding the same number |
| Arrays | A formation |
| Multiplication | Repeated addition |
| < > = | Symbols to show more than less than |
| Equal to | . The same as |
| Less than | Fewer than |
| More than | Greater than |
| Times | Multiply together |

$4 \times 2 = 8$
$2 \times 4 = 8$
8 apples

$2 \times 5 = 10$
$5 \times 2 = 10$
10 cookies

## Key Information

| | |
|---|---|
| 1 | An array is made up of rows and coloumns |
| 2 | 3 equal groups of 2 can be written as 3 lots of 2 or $3 \times 2$ |

## Prior Knowledge

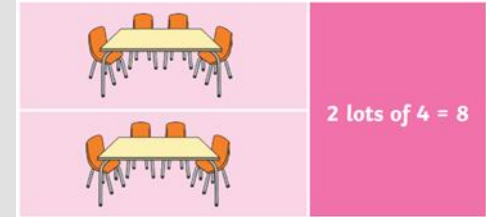| | |
|---|---|
| Y1 | Repeated addition |
| Y1/Y2 | Doubles Timestables 2, 5, 10 |

## Worked Examples

**Use Arrays**

4 rows of 10 = 40
10 columns of 4 = 40

## Worked Examples

There are 3 equal groups with 2 in each group.

4 lots of 2 = 8

2 lots of 4 = 8

4 equal groups of 10

3 lots of 2 < 2 lots of 5

$3 \times 2 = 6$

$2 \times 5 = 10$