

# Multiplication and Division

## Knowledge Organiser

### Key Vocabulary

### Recognise Equal Groups

### Make Equal Groups

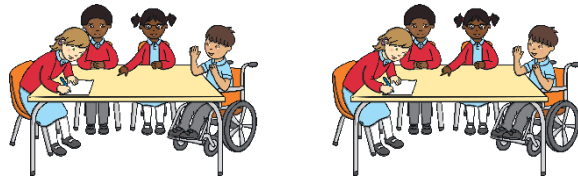
groups



5 equal groups with 3 in each group

equal groups

lots of



2 equal groups with 4 in each group

arrays

repeated  
addition



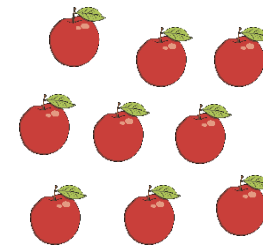
4 equal groups of 10

multiplication

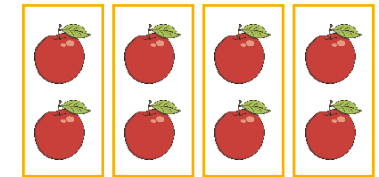
times tables



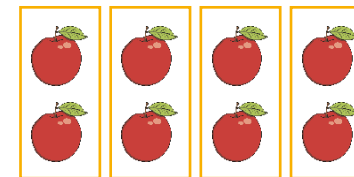
6 equal amounts of 5 pence



Make 4  
equal groups

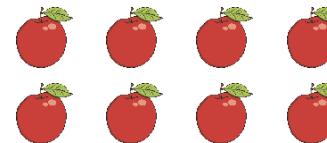


### Add Equal Groups



$2 + 2 + 2 + 2 = 8$  apples

### The Multiplication Symbol



$$4 \times 2 = 8$$

$$2 \times 4 = 8$$

8 apples



$$2 \times 5 = 10$$

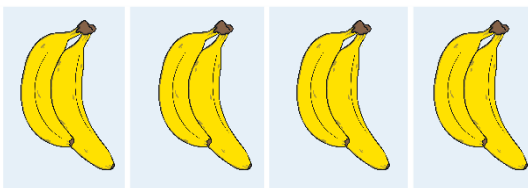
$$5 \times 2 = 10$$

10 cookies

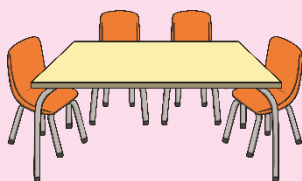
# Multiplication and Division

# Knowledge Organiser

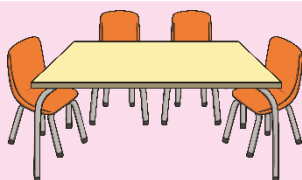
## Multiplication from Pictures



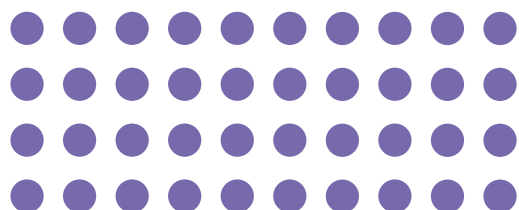
$$4 \text{ lots of } 2 = 8$$



$$2 \text{ lots of } 4 = 8$$



## Use Arrays



$$4 \text{ rows of } 10 = 40$$

$$10 \text{ columns of } 4 = 40$$

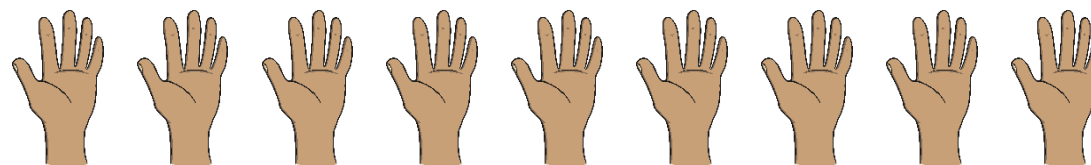
## The 2 Times Table



$$6 \text{ lots of } 2 = 12$$

2 4 6 8 10 12 14 16 18 20 22 24

## The 5 Times Table



$$9 \text{ lots of } 5 = 45$$

5 10 15 20 25 30 35 40 45 50 55 60

## The 10 Times Table



$$7 \text{ lots of } 10\text{p} = 70\text{p}$$

10 20 30 40 50 60 70 80 90 100 110 120