



**Key Vocabulary**

|                   |
|-------------------|
| times             |
| multiply          |
| multiplied by     |
| groups            |
| lots of           |
| arrays            |
| repeated addition |
| row               |
| column            |
| division          |
| share             |
| divided by        |
| share equally     |
| equal groups of   |
| inverse           |

**Recognise Equal Groups**



5 equal groups with 3 in each group



2 equal groups with 4 in each group

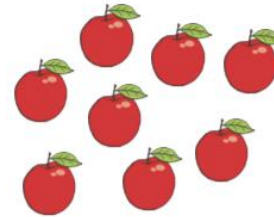


4 equal groups of 10

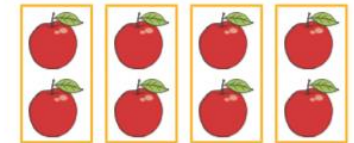


6 equal amounts of 5 pence

**Make Equal Groups**



Make 4 equal groups.



*Equal means the same*

**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 From Pictures

4 lots of 2 = 8

2 lots of 4 = 8

### The 2 Times Table

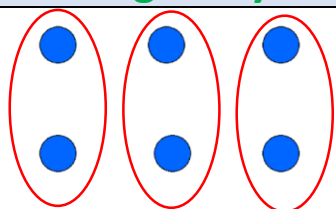


6 lots of 2 = 12

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

$6 \times 2 = 12$

### Using arrays



$2 \times 3$

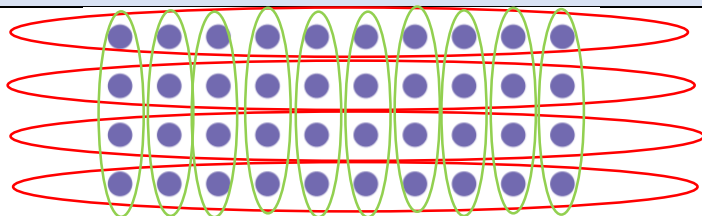
### The 5 Times Table



9 lots of 5 = 45

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

### Commutative



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

### The 10 Times Table



7 lots of 10p = 70p

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

$7 \times 10p = 70p$