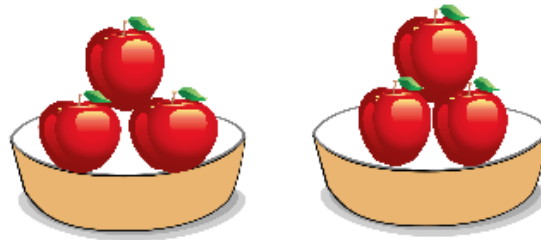


Year 2 Multiplication and Division

| Key Vocabulary |
|-------------------|
| multiplication |
| division |
| double |
| half |
| equal |
| unequal |
| group |
| sharing |
| array |
| odd |
| even |
| commutative |
| repeated addition |

Recognise Equal Groups

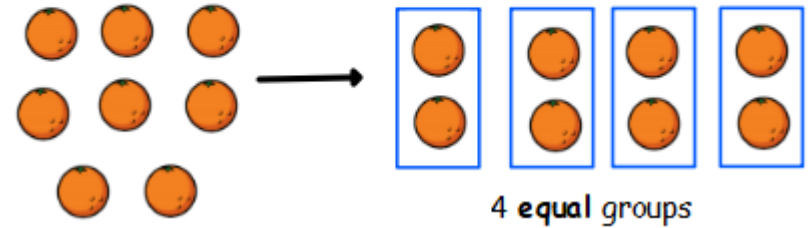


2 equal groups with 3 in each group



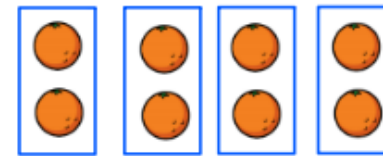
4 equal groups with 4 in each group

Making Equal Groups



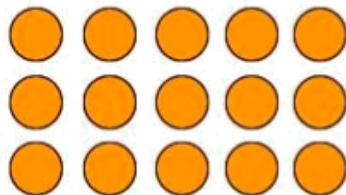
4 equal groups

Add Equal Groups



$2 + 2 + 2 + 2 = 8$ oranges

Using Arrays



3 rows of 5 = 15
 $3 \times 5 = 15$

5 columns of 3 = 15
 $5 \times 3 = 15$

The Multiplication Symbol



$$4 \times 2 = 8$$

$$2 \times 4 = 8$$



$$3 \times 2 = 6$$

$$2 \times 3 = 6$$



The Two Times Table



The Five Times Table



The Ten Times Tables



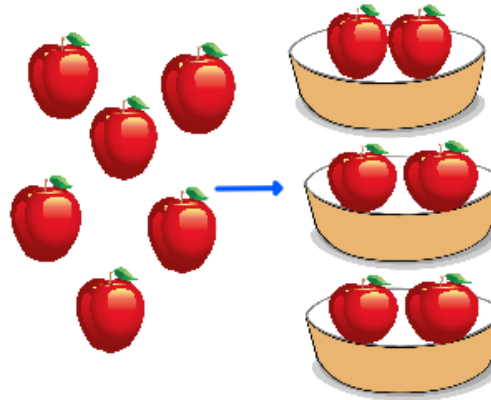
Grouping



We need to put the bikes in **groups** of 4.
There are 12 bikes altogether
There are 4 bikes in each group.
There are 3 groups.

$$12 \div 4 = 3$$

Sharing



6 apples altogether.
There are 3 bowls.
There are 2 apples in each bowl.

$$6 \div 3 = 2$$

Odd and Even Numbers

Odd

1 3
5 7

Even

2 4
6 8

An even number of objects can be shared equally between 2 groups.
An odd number of objects cannot.
Even numbers are also in the 2 times table.

Odd

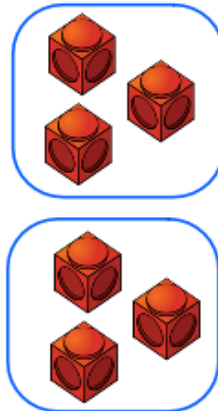


1 red cube left

Even



Divide by 2

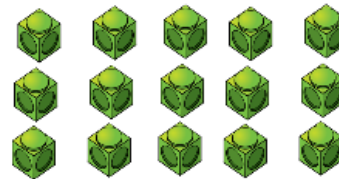


There are 6 cubes.
There are 3 in each group.
There are 2 groups.

$$6 \div 2 = 3$$

$$3 \times 2 = 6$$

Divide by 5



There are 15 cubes.
There are 5 groups.
There are 3 in each group.

$$15 \div 5 = 3$$

$$3 \times 5 = 15$$



Divide by 10



Apples come in packs of 10

There are 30 apples.
There are 10 in each pack.
There are 3 packs.

$$30 \div 3 = 10$$

$$10 \times 3 = 30$$

Remember you can use both sharing and grouping to divide.

