

Templars Primary School Knowledge Organiser Year 2 Multiplication and Division

Key Vocabulary

groups

equal groups

lots of

arrays

repeated addition

multiplication

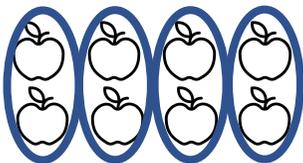
times tables

divide

share

times

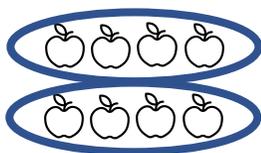
Recognise equal groups



4 equal groups with 2 in each group



5 equal groups with 3 in each group



2 equal groups with 4 in each group

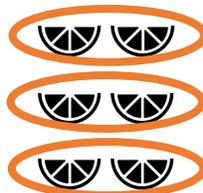


5 equal amounts of 5 pence

Make equal groups

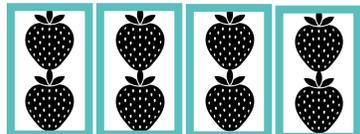


Make 3 equal groups



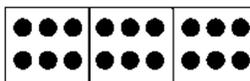
Add equal groups

There are 4 equal groups with 2 in each group.
There are **four 2s**.



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

The 'x' symbol



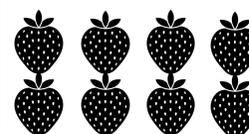
$$6 + 6 + 6 = 18$$

$$6 \times 3 = 18$$

There are 3 equal groups with 6 in each group. There are there 6s.

Three 2s	Draw it	Addition	Multiplication
3 equal groups with 2 in each group	●● ●● ●●	$2 + 2 + 2 = 6$	$2 \times 3 = 6$

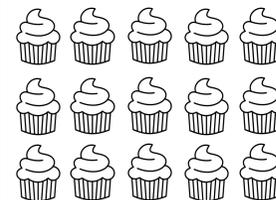
Multiply from pictures



$$4 \times 2 = 8$$

$$2 \times 4 = 8$$

8 strawberries



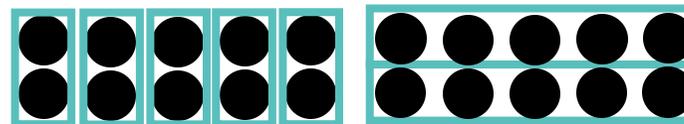
$$5 \times 3 = 15$$

$$3 \times 5 = 15$$

15 cakes

Use arrays

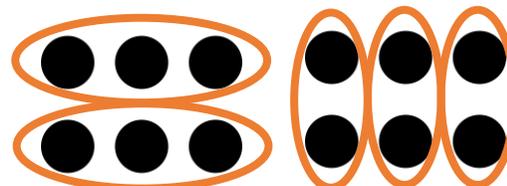
Multiplication statements are **commutative**. This means that the numbers can be multiplied in any order and the answer will be the same.



$$2 \times 5 = 10$$

=

$$5 \times 2 = 10$$



$$3 \times 2 = 6$$

=

$$2 \times 3 = 6$$

Times Tables

10x table

- $1 \times 10 = 10$
- $2 \times 10 = 20$
- $3 \times 10 = 30$
- $4 \times 10 = 40$
- $5 \times 10 = 50$
- $6 \times 10 = 60$
- $7 \times 10 = 70$
- $8 \times 10 = 80$
- $9 \times 10 = 90$
- $10 \times 10 = 100$
- $11 \times 10 = 110$
- $12 \times 10 = 120$

5x table

- $1 \times 5 = 5$
- $2 \times 5 = 10$
- $3 \times 5 = 15$
- $4 \times 5 = 20$
- $5 \times 5 = 25$
- $6 \times 5 = 30$
- $7 \times 5 = 35$
- $8 \times 5 = 40$
- $9 \times 5 = 45$
- $10 \times 5 = 50$
- $11 \times 5 = 55$
- $12 \times 5 = 60$

2x table

- $1 \times 2 = 2$
- $2 \times 2 = 4$
- $3 \times 2 = 6$
- $4 \times 2 = 8$
- $5 \times 2 = 10$
- $6 \times 2 = 12$
- $7 \times 2 = 14$
- $8 \times 2 = 16$
- $9 \times 2 = 18$
- $10 \times 2 = 20$
- $11 \times 2 = 22$
- $12 \times 2 = 24$

3x table

- $1 \times 3 = 3$
- $2 \times 3 = 6$
- $3 \times 3 = 9$
- $4 \times 3 = 12$
- $5 \times 3 = 15$
- $6 \times 3 = 18$
- $7 \times 3 = 21$
- $8 \times 3 = 24$
- $9 \times 3 = 27$
- $10 \times 3 = 30$
- $11 \times 3 = 33$
- $12 \times 3 = 36$

Make equal groups - grouping



Crayons come in packs of 20.
We need to put 5 in each pot.
How many pots will we need?

$20 \div \square = 5$

$20 \div 5 = \square$

5 5 5 5

We need 4 pots

Odd and even numbers

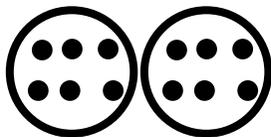
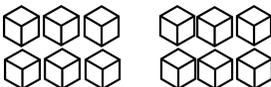
Odd numbers cannot be divided exactly by 2.
The last digit is 1, 3, 5, 7 or 9

Even numbers can be divided exactly by 2.
The last digit is 0, 2, 4, 6 or 8

Odd	Even
<p>39</p> <p>nine</p>	<p>26</p>

Divide by 2, 5 and 10

$12 \div 2 = 6$
Share 12 into 2 groups



12



Count how many 2s go into 12



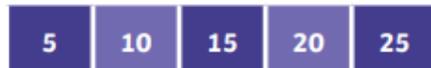
25 pencils are shared between 5 children.
How many does each child get?



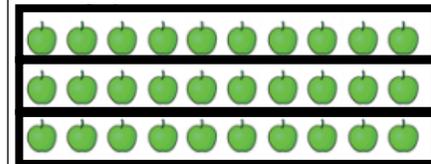
25



5 lots of 5 go into 25



$30 \div 10 = 3$



30

