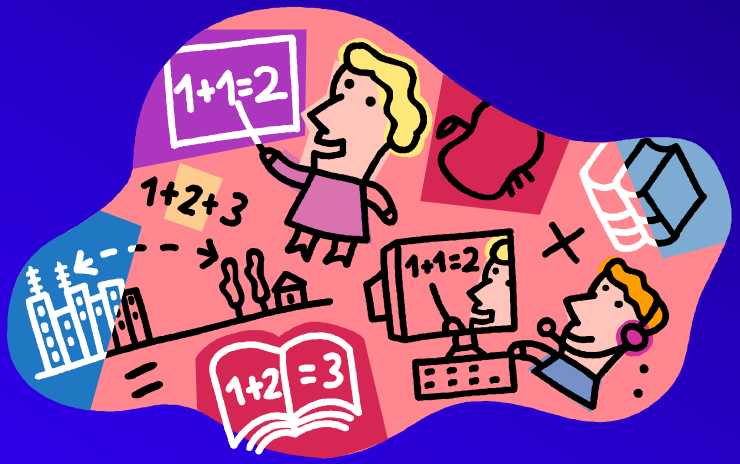
Maths

What do we do?

What can you do?



How do our children learn in maths lessons at Spinfield?

- ✓ Lots of talking
- ✓ Thinking
- ✓ Self-discovery
- ✓ Problem solving
- ✓ Asking questions
- ✓ Real-life learning
- ✓ Practical and engaging lessons

'I hear and I forget. I see and I remember. I do and I understand.'
(A Chinese proverb)

Man U have 16 players in their squad. If 4 players are injured, how many are fit to play?

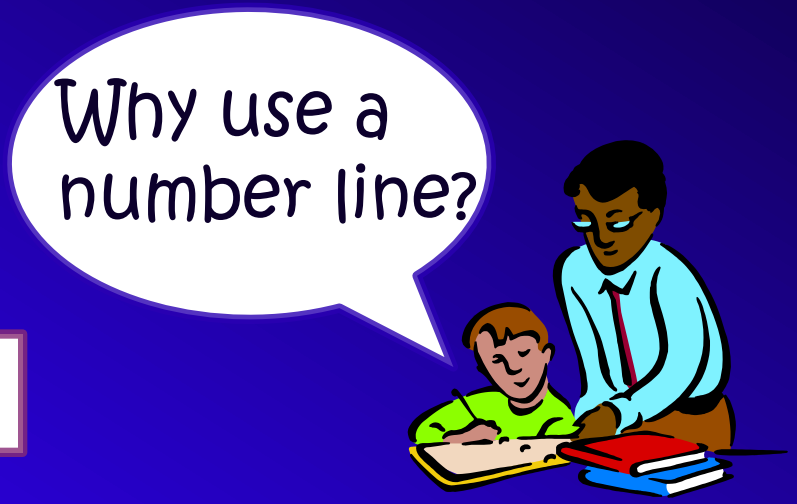
Your favourite band are performing every day for a week. Their concert lasts 1 hour.

How many hours a week will they be singing?

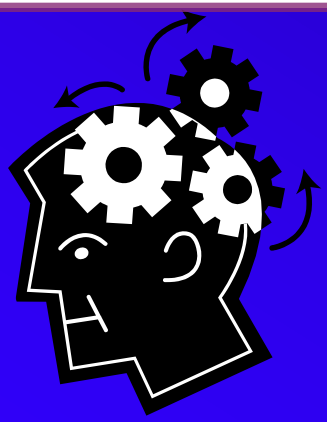
Help Noah…

Noah saw 12 legs go into the ark.
How many creatures did he see?

This is the way we do it!

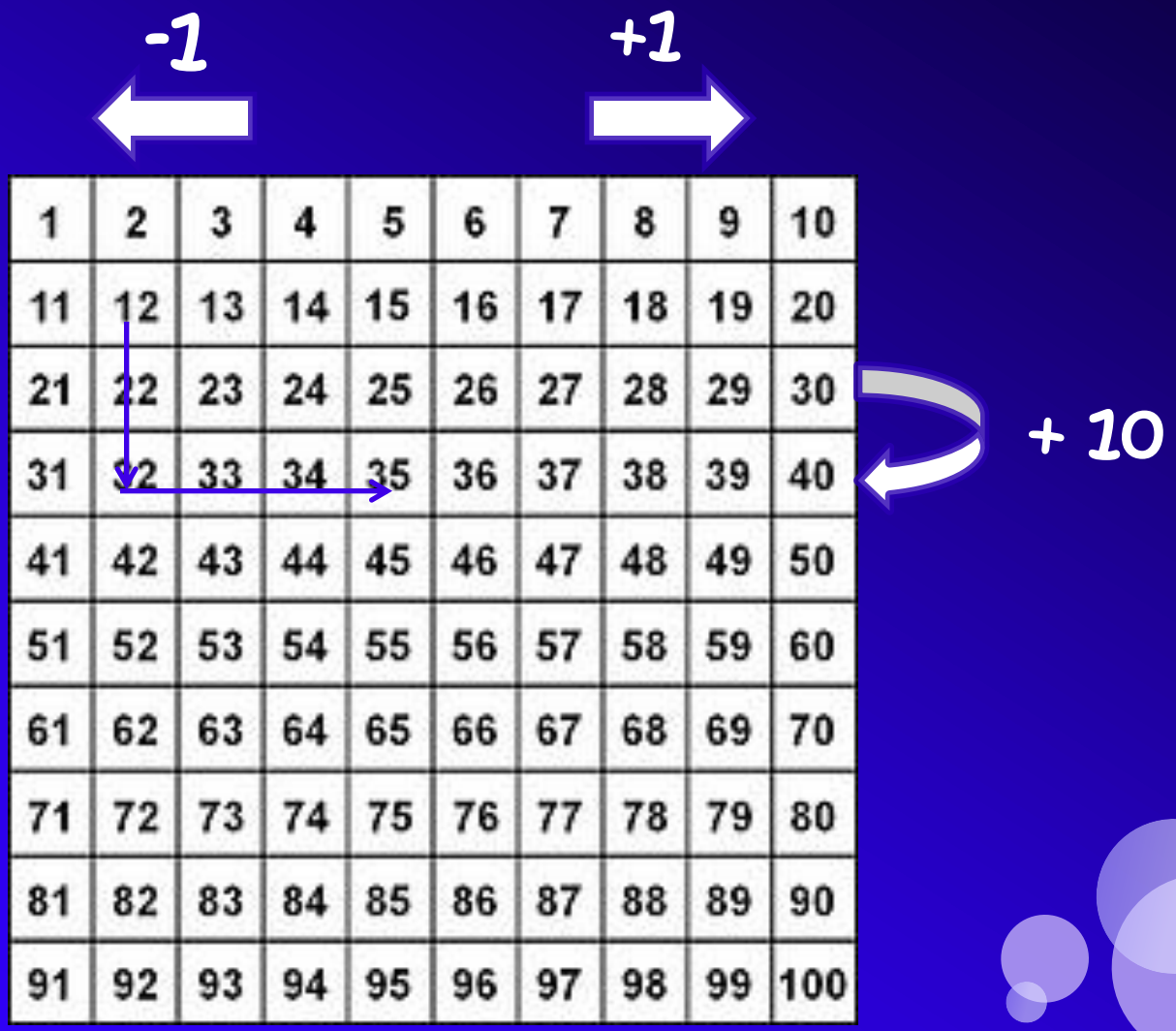


Mental Calculations



Written Calculations

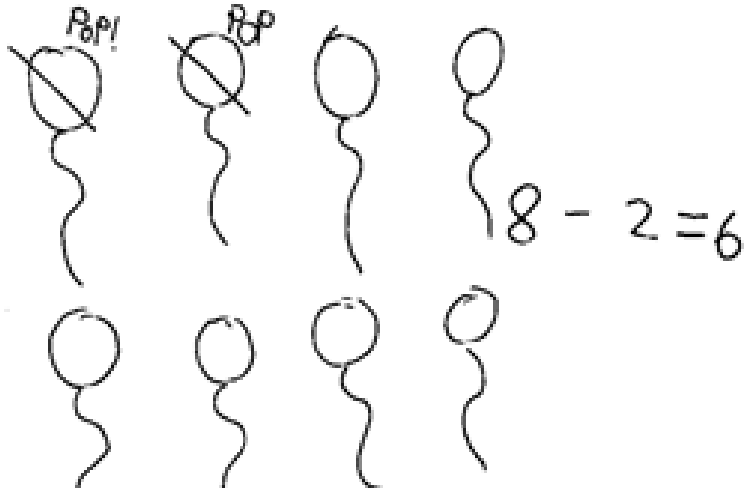
Hundred Square



12 + 23 = 35

Early stages of + and -

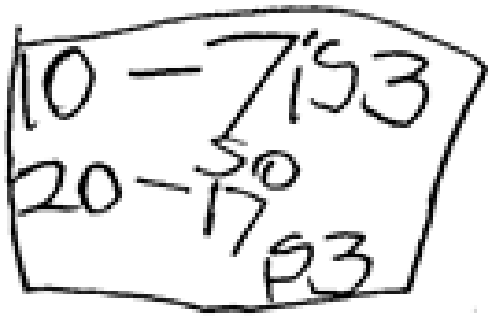
There were 8 balloons. Two popped. How many are left?

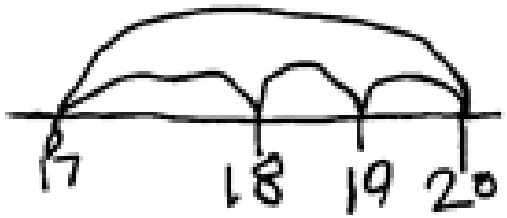


Jane had 3 bears. She was given 2 more. How many does she have now?

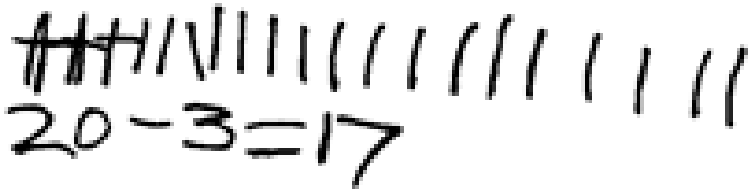
Same problem, different methods…

There are 20 children in our class. Three are away today. How many are here?



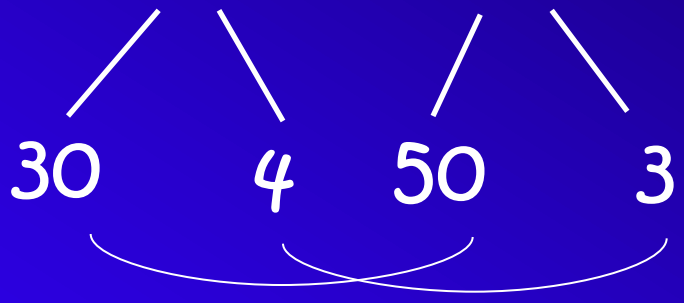


2 aways would be 18
So 3 aways must be 17.



Partitioning +

34 + 53 = 87

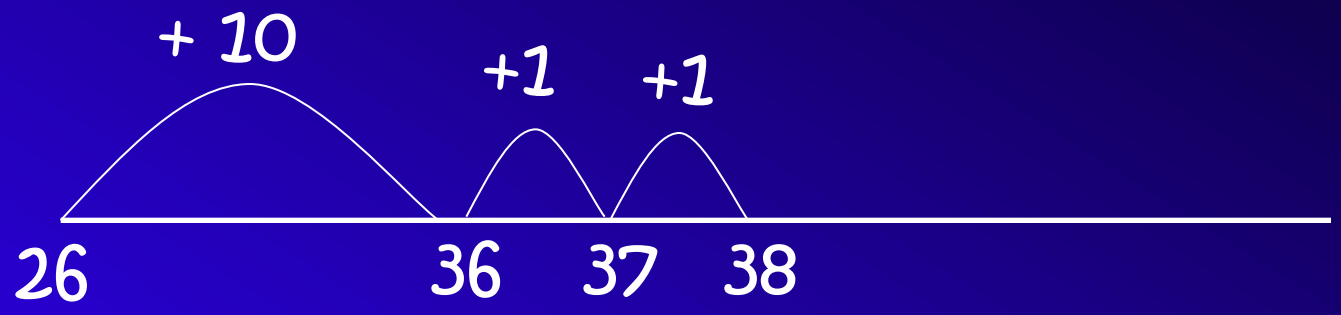


30 + 50 = 80

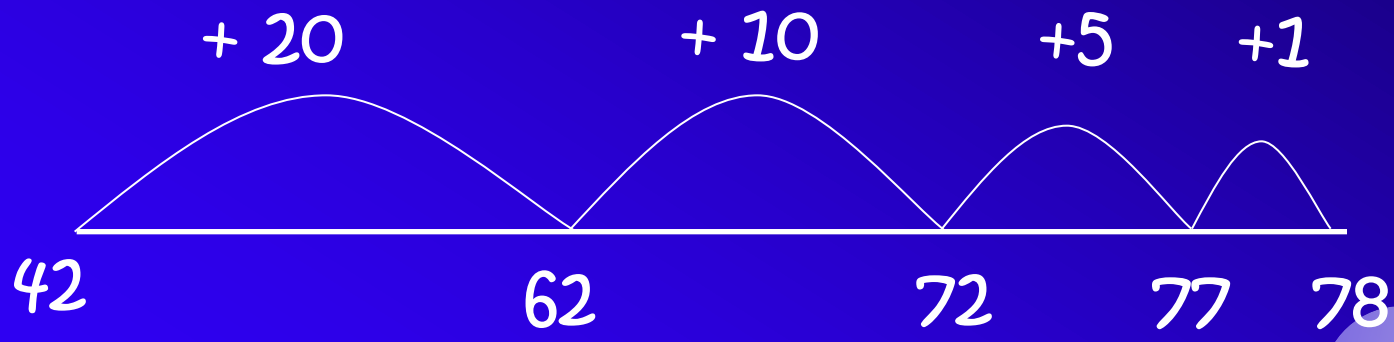
4 + 3 = 7

80 + 7 = 87

Number line +



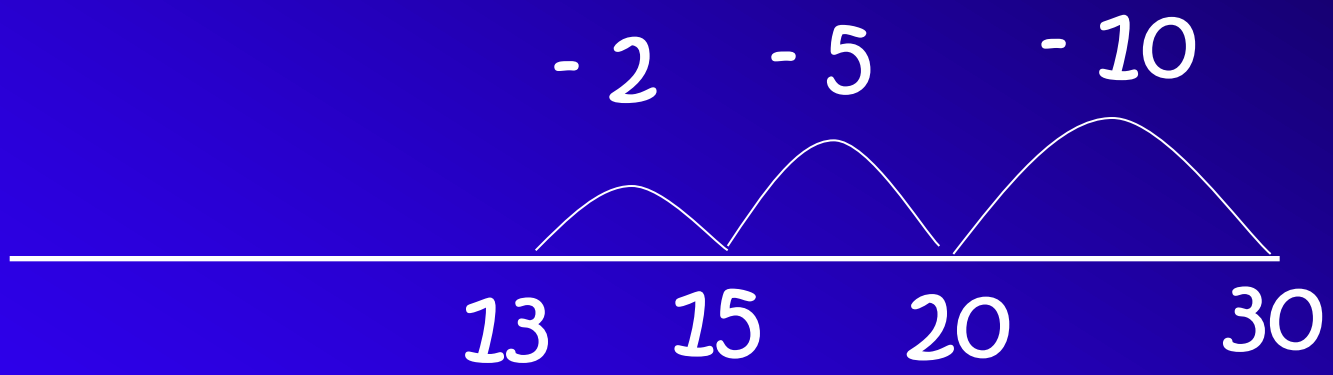
26 + 12 = 38



42 + 36 = 78

Number line -

- Subtraction as taking away

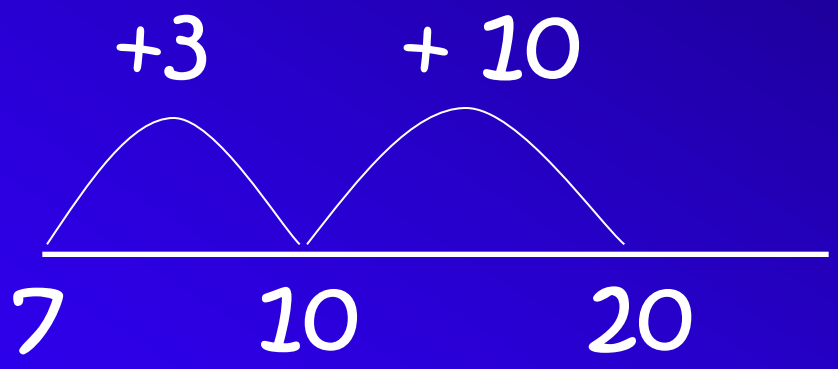


30 – 17 = 13

Number line -

- Subtraction as finding the difference

(*starting from the lower number and counting on to the largest*)



20 – 7 = ?

Jump to next multiple of 10
Count the jumps

10 + 3 = 13

20 – 7 = 13

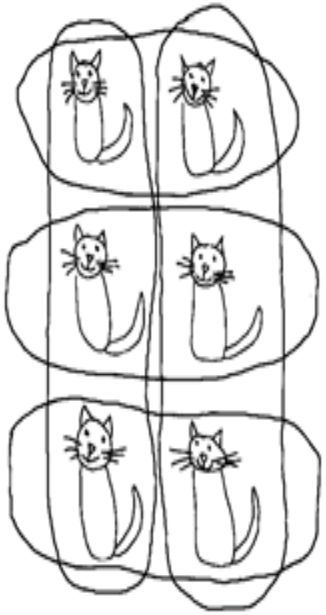
Multiplication

End of year expectations...

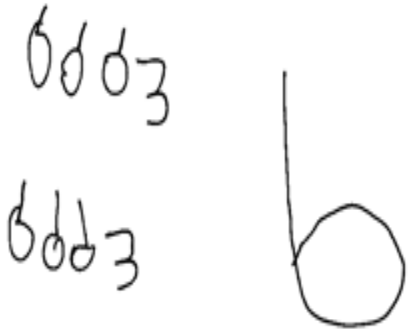
Year 1

Count in steps of
2, 3, 5 and 10 from 0 or 1 and
in tens from any number,
forward and backward

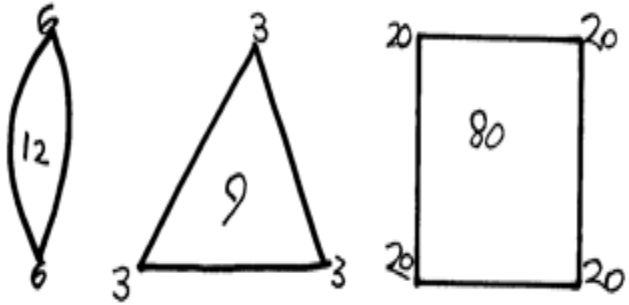
Early stages of multiplication



2x3 cats =6 cats or
3x2 cats =6 cats



2 lots of 3 apples makes 6 apples.



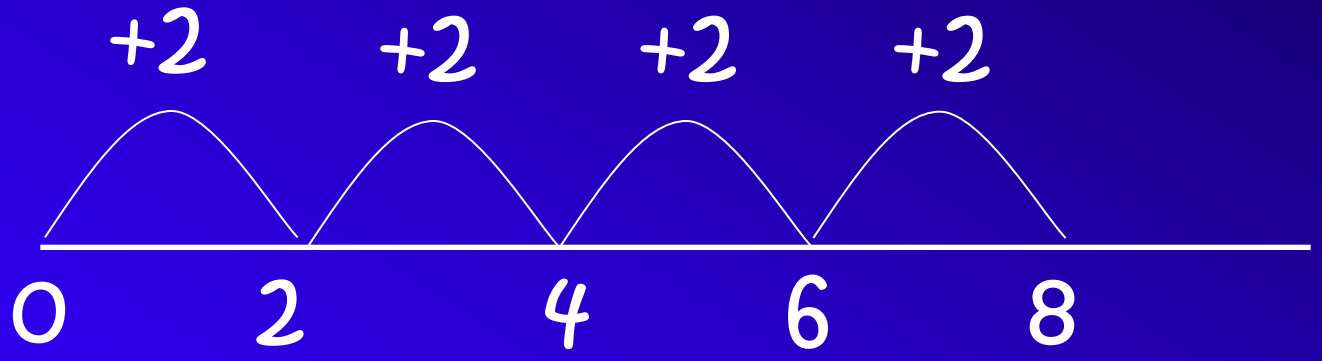
12 = 2X6
9= 3x3
80= 4X20

80 ÷ 4=20
80 ÷ 20=4

Number line X

Multiplying as repeated addition

2×4

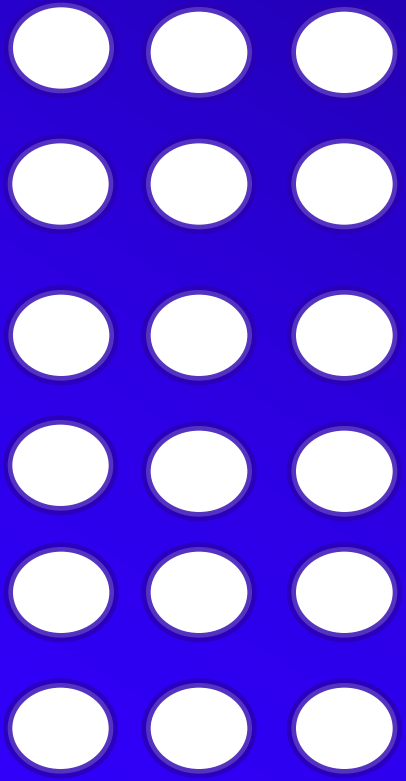


$2 \times 4 = 2 + 2 + 2 + 2$

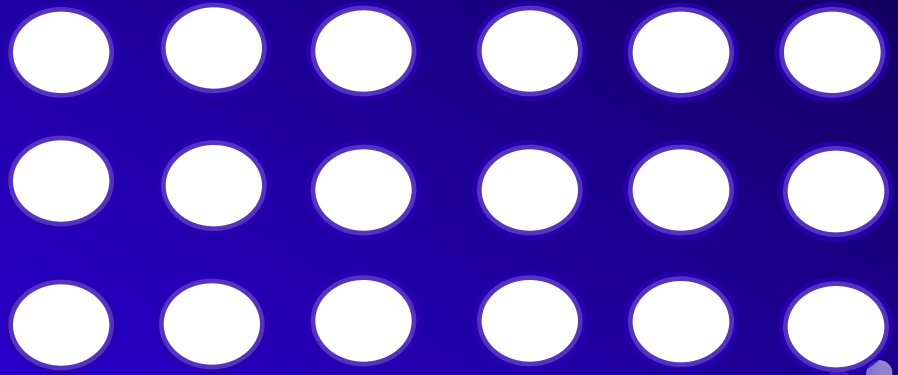
So, $2 \times 4 = 8$

Arrays x

3 x 6



Or

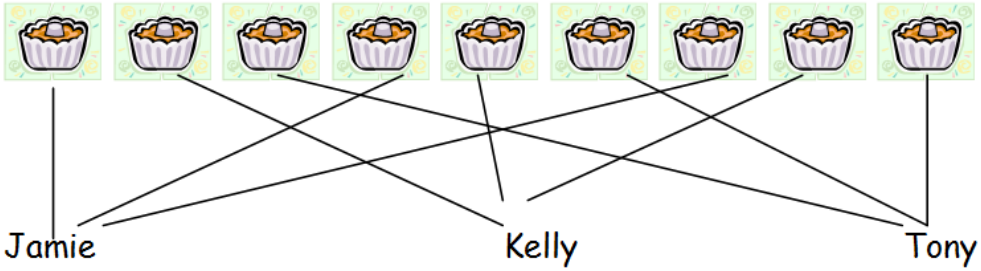


Add the dots

Division

Sharing

The tray had 9 cakes in and they were shared out between Jamie, Kelly and Tony. Each child had the same number of cakes. How many did they have each?



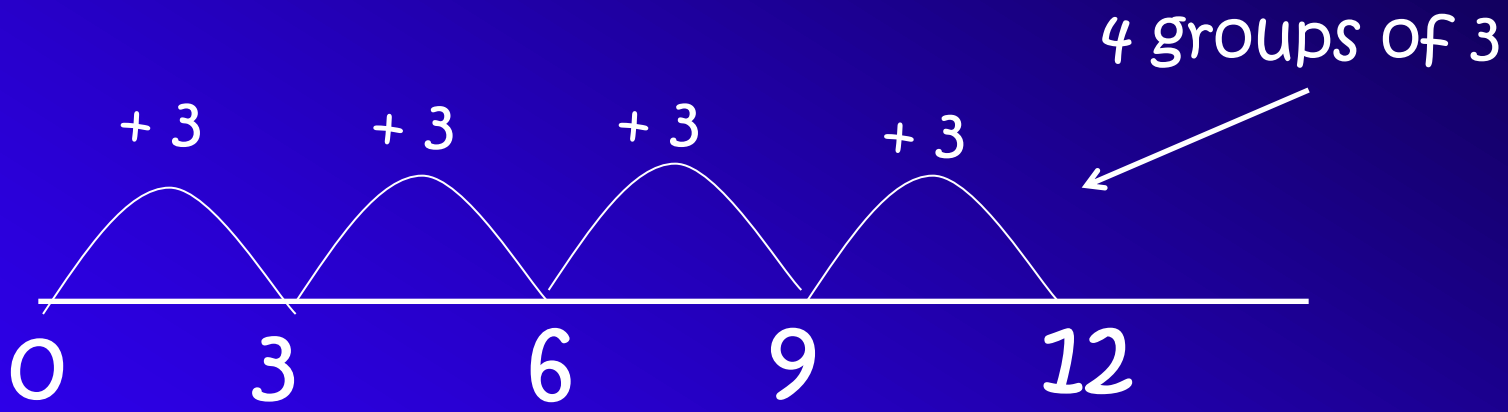
So, 9 ÷ 3 = 3

Grouping

The apples need putting into bags with 5 apples in each bag. Julie has 15 apples. How many bags will she need?

So, 15 ÷ 5 = 3

Number line ÷



Add the jumps = 4

12 ÷ 3 = 4

Whilst children learn about numbers and maths at school, there are also lots of ways that you can support your child at home.

It doesn't have to be by doing pages of sums or text books – there are lots of fun activities and games you can do or include in your everyday routines!