Key Stage One
Maths Curriculum meeting for parents

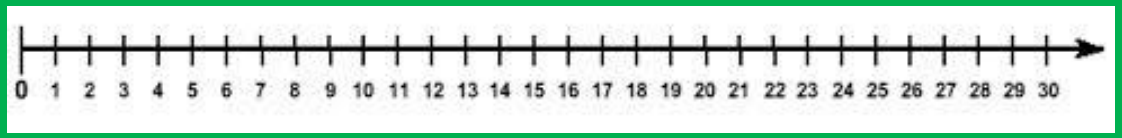
Wednesday 28th January
5.30-6pm

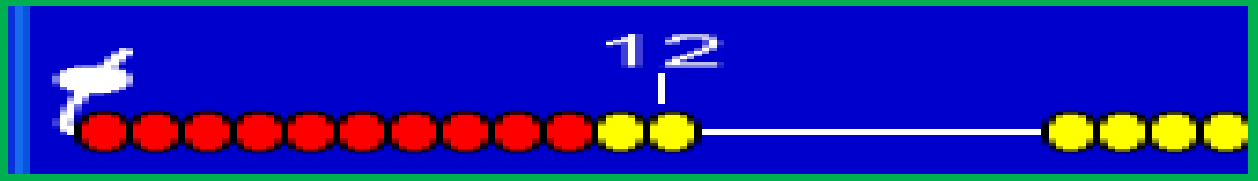
Why is calculation important?

- Mental addition
- Mental subtraction
- Multiplication
- Division
- Games to play at home

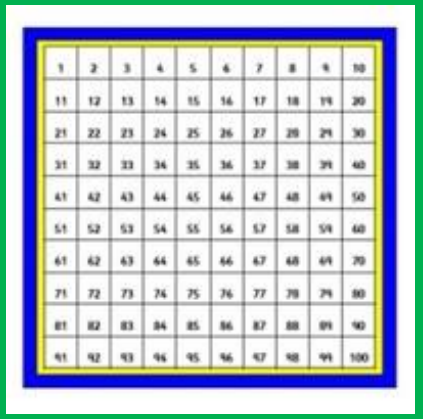
Mental Addition

Building upon counting in 1s





Counting in 10s (spider on grid)



Number bonds to 10

All pairs of numbers to 10

(e.g. to 8)

Year 2 - using place value to add

2 + 2 digit number

36+23

2 digit + 1 digit

35+3

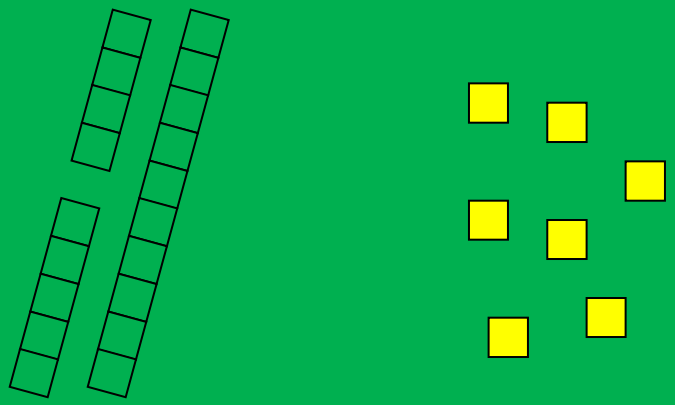
Year 2 – adding several 1 digit numbers

8+7+8

3+4+7+5

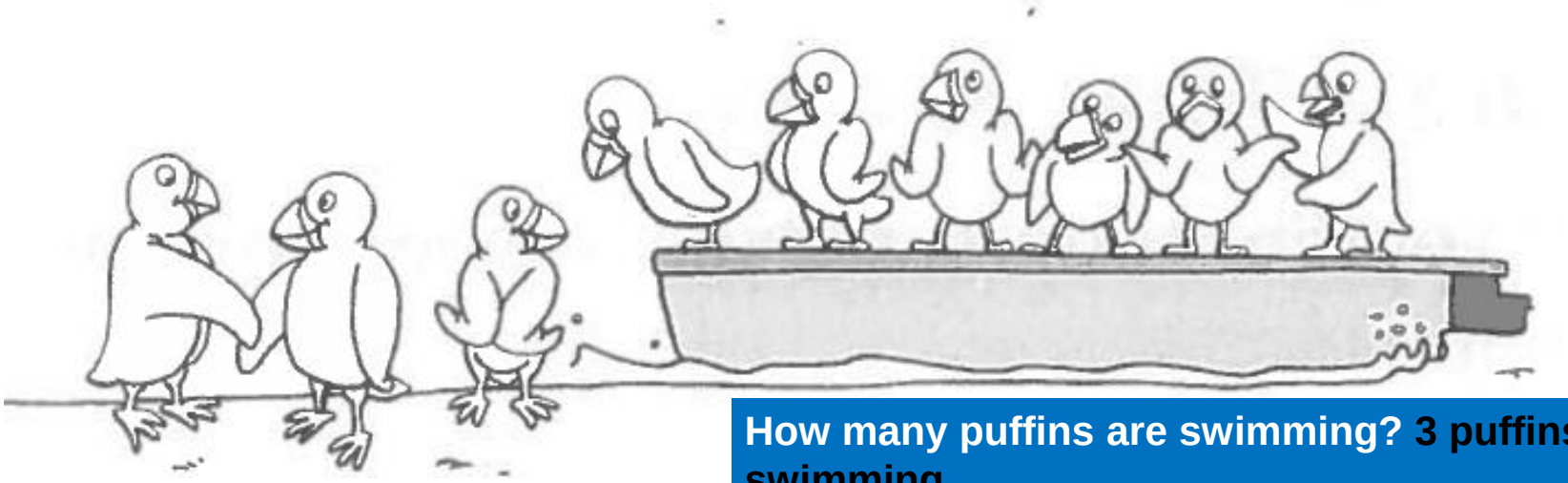
Use number facts

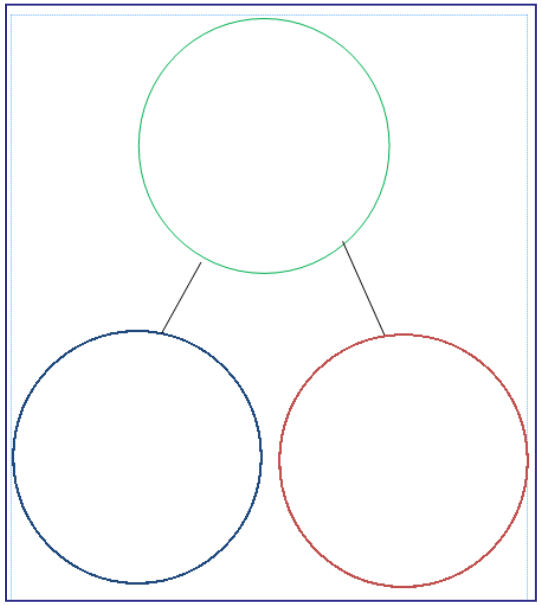
76+ 38



Rec and Year 1 - Part-Part-Whole Relationships

+ and





How many puffins are swimming? 3 puffins swimming

How many puffins in the boat? 6 puffins in the boat

How many puffins altogether? 9 puffins altogether

3 is a part

6 is a part

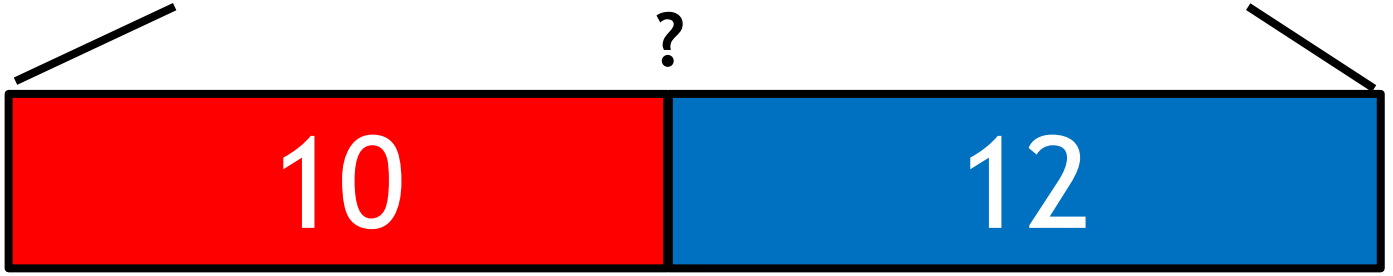
9 is the whole amount

Manipulative?

Year 2 onwards- Part-Part-Whole Relationships

+

Googol baked 10 gingerbread men.
Aida baked 12 gingerbread men.
How many gingerbread men did they bake altogether?



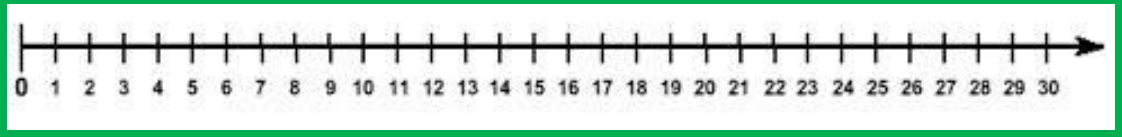
Mental addition - Summary

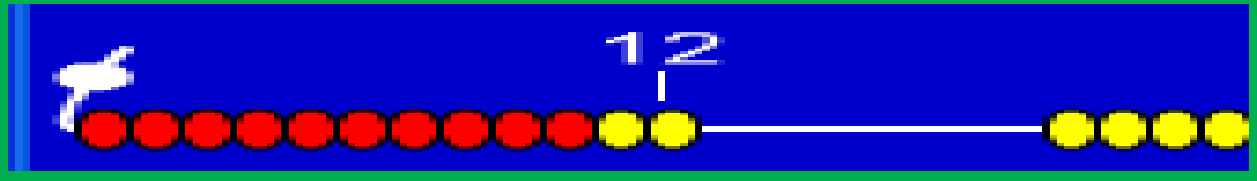
End Year 2 with children really confident in their understanding of place value and number facts.

- Adding several 1 digit numbers
- 2+2 digit numbers
- 2+1 digit numbers

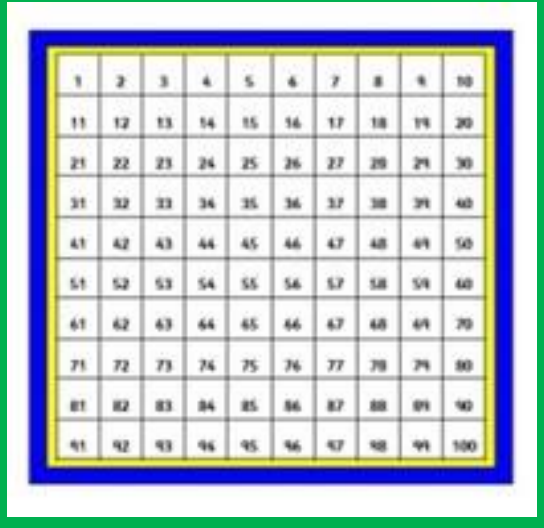
Mental Subtraction

Build upon counting back in 1s





- Counting back in 10s (spider on grid)



Addition facts are also subtraction facts

$5 + \square = 8$

$8 - 5 = \square$

Inverse operation

Year 2

Subtraction is both…

Counting back/ taking away

77 – 23 =

73 – 5 =

Counting up/ finding the difference

14p…….. 20p

22 – 14

Year 2 to 6 - Part-Part-Whole Relationships

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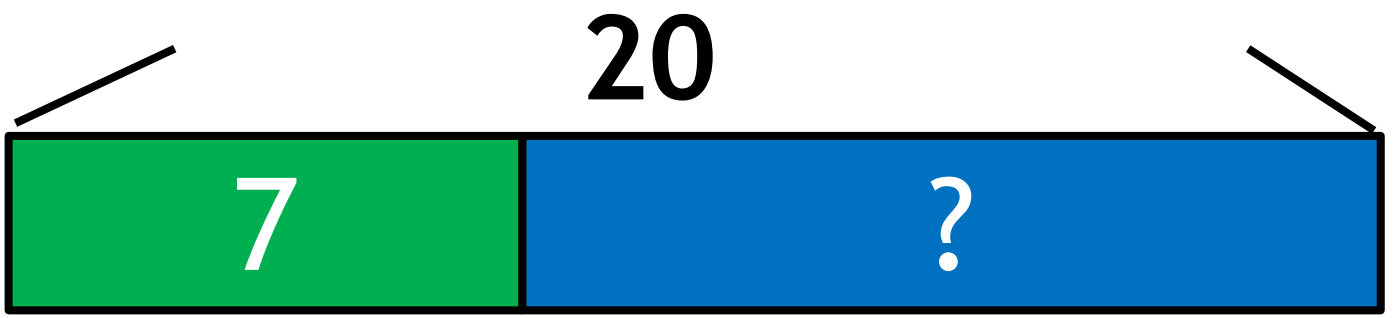
Ahmad bought 20 chicken eggs and duck eggs.
There were 7 duck eggs.
How many chicken eggs were there?



Mental Multiplication

Building upon addition knowledge

3 lots of 5

3 x 5

(count in 5s)

- Multiplication as repeated addition
- Multiplication as arrays

ooooo

ooooo

ooooo

Counting in 2s, 5s, 10s

4 lots of 5

Developing doubling and halving in KS1

Language of scale

‘twice as much’

‘half’

Leads into…

Timestables

2 x

5 x

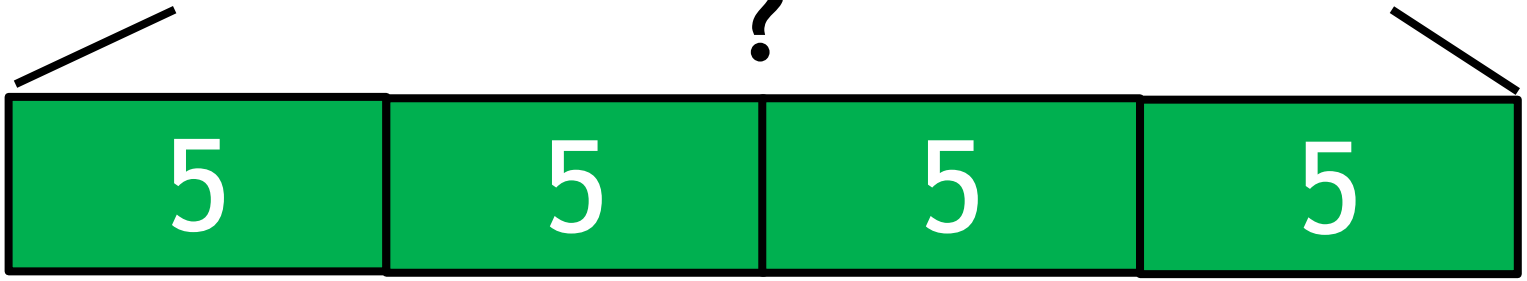
10 x

(3 x)

Part-Part-Whole Relationships

X

Googol puts 5 biscuits into each packet.
He has 4 packets in all.
How many biscuits does he put into the 4 packets?



Division

Division and multiplication – inverse operations

How many 5s to get to 15?

 x 5 = 15

÷ as an inverse of x

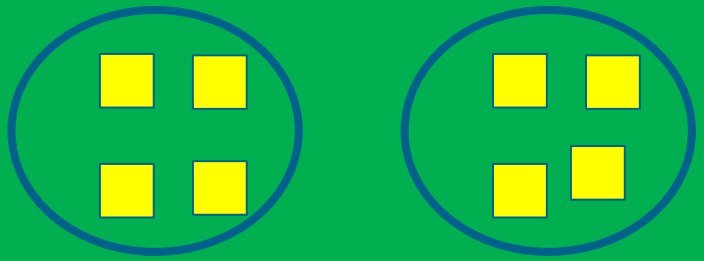
15 ÷ 5 = 

Constantly connect x and ÷

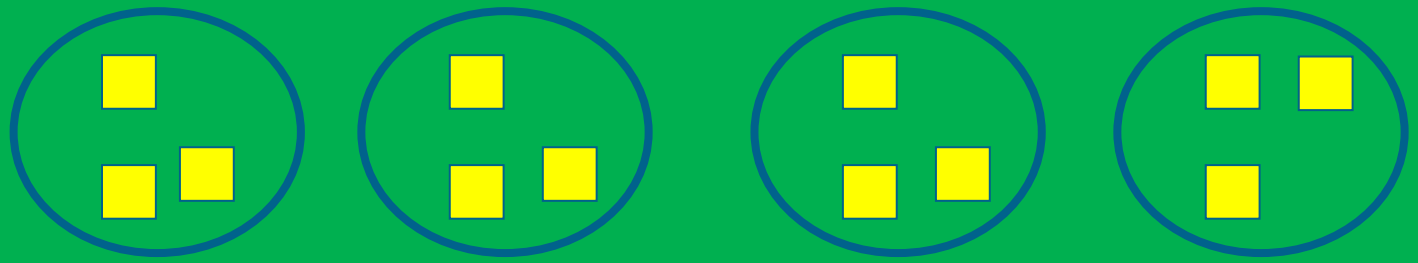
Division as sharing

½ of 8 = 4

8 sweets shared between 2 children



¼ of 12 = 3



5 sweets shared between 2 children?

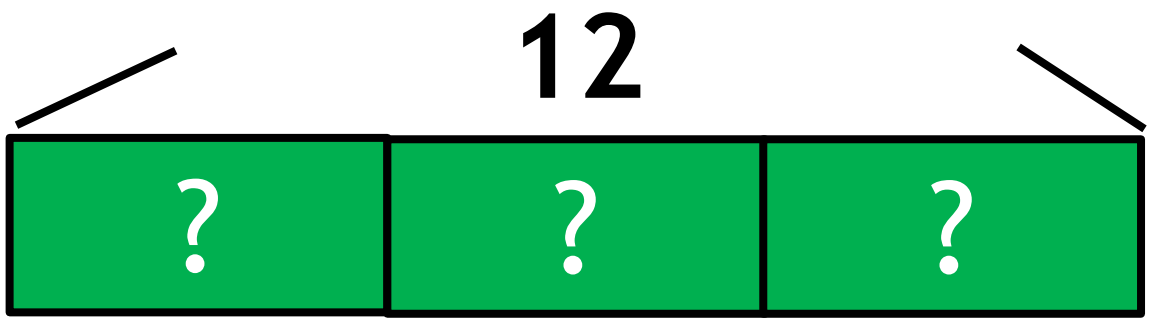
Division as grouping

$$20 \div 4 =$$

Part-Part-Whole Relationships

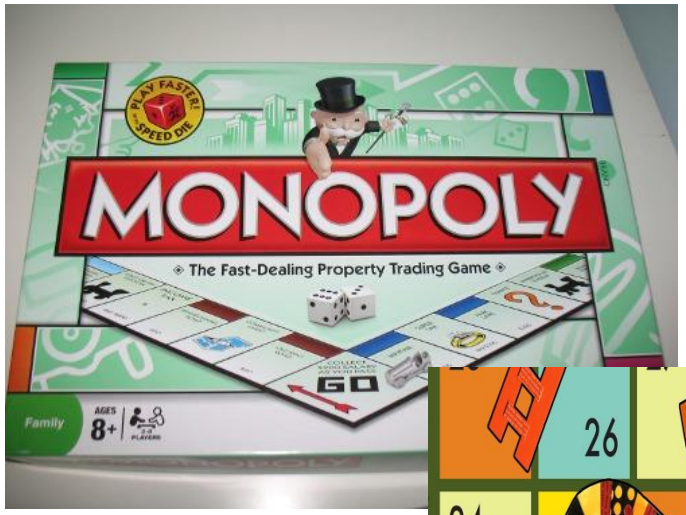
÷

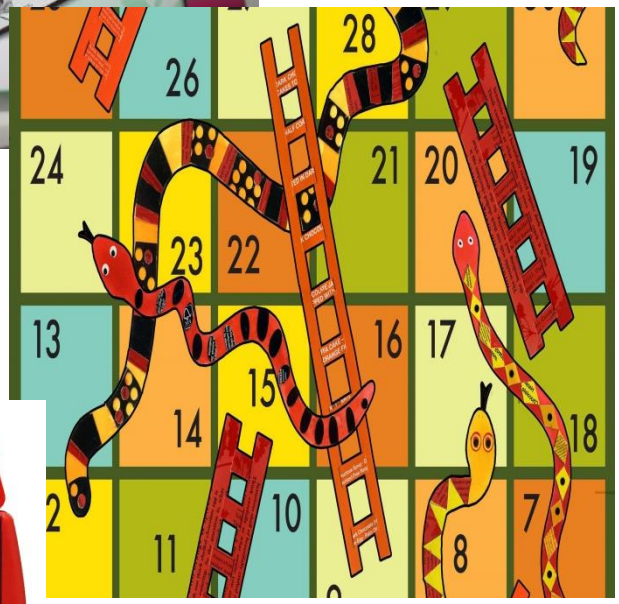
Barry buys 12 cakes.
He puts an equal number of cakes into 3 boxes.
How many cakes are there in each box?

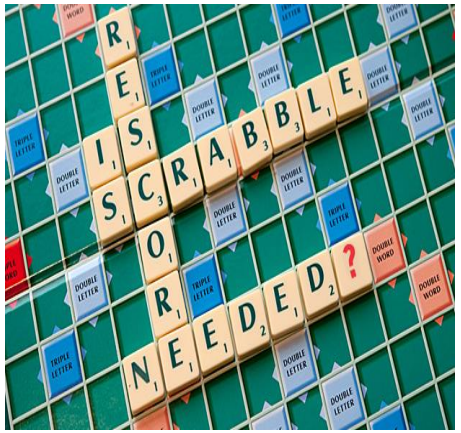


Maths games

Board games, songs, rhymes, stories, real life!







Maths is fun!