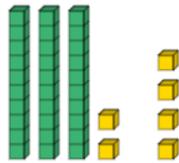
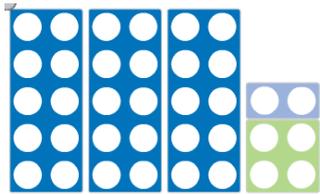
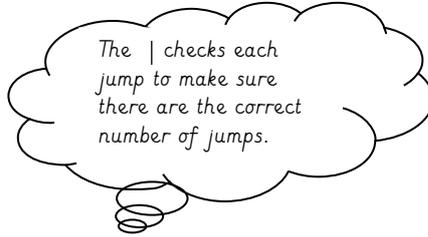
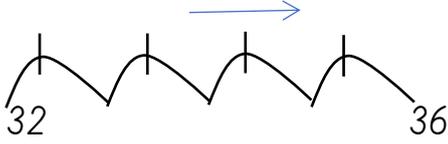


Year 2 Addition

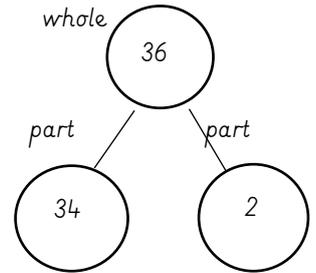
$addend + addend = sum$

Example of mental jottings for addition

$32 + 4 = 36$

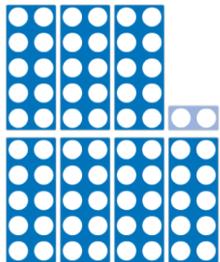
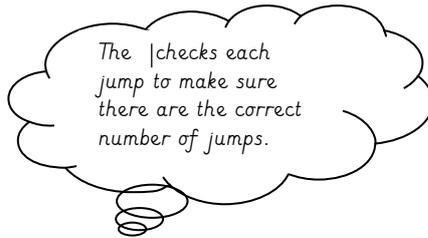
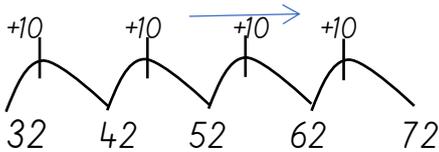


36 whole	
32 part	4 part

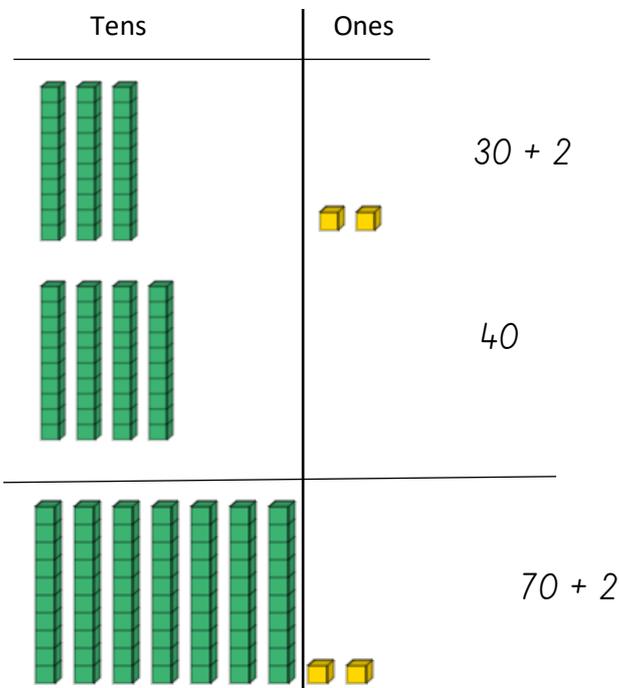
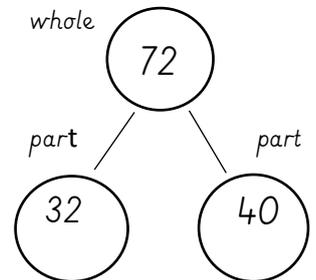


Example of mental jottings for addition

$32 + 40 = 72$



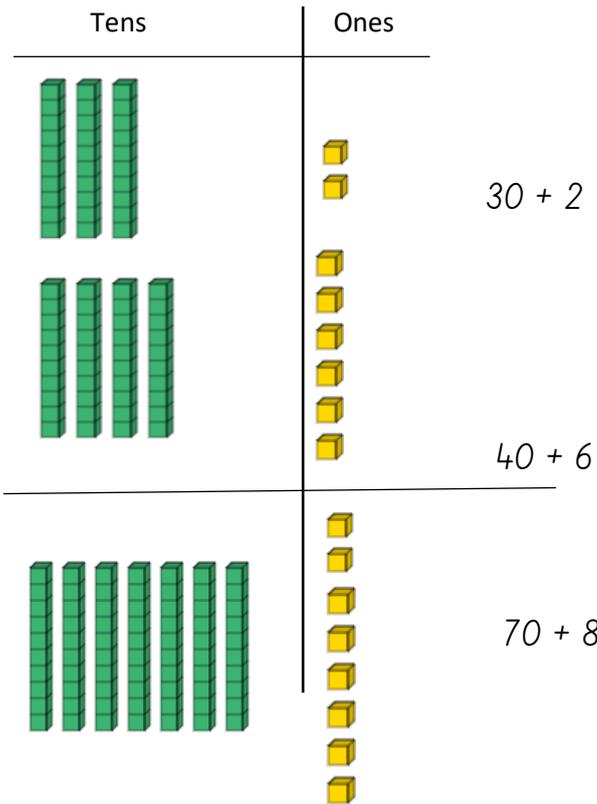
72 whole	
32 part	40 part



Children can draw lines for tens and small circles for ones.

Eg $32 + 40$

$$32 + 46 = 78$$



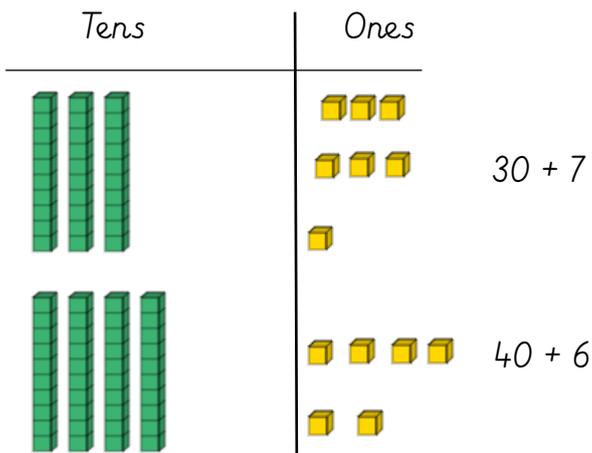
78 whole	
32 part	46 part

Children can draw lines for tens and small circles for ones.

Eg $32 + 46$

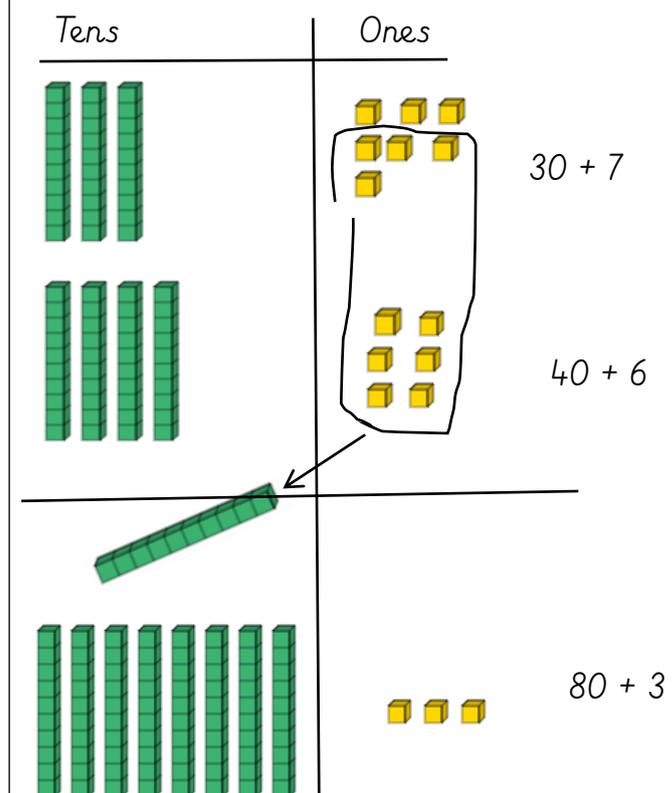

$$37 + 46 = 83$$

Step 1



83 whole	
37 part	46 part

Step 2



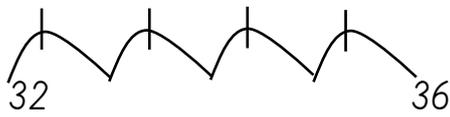
10 ones are the same as 1 ten.
 I can regroup 10 ones for 1 ten.

Subtraction

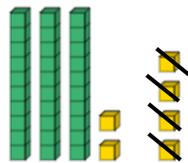
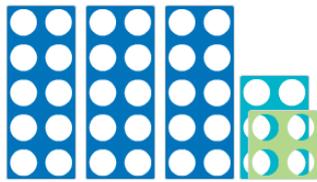
minuend - subtrahend = difference

Example of mental jottings for subtraction

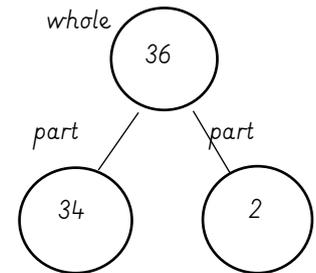
$$36 - 4 = 32$$



The | checks each jump to make sure there are the correct number of jumps.

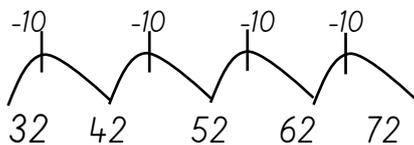


36 whole	
32 part	4 part

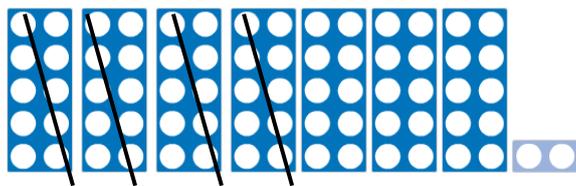


Example of mental jottings for subtraction

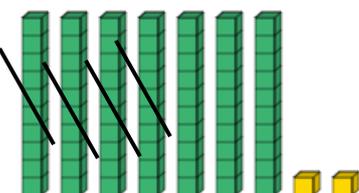
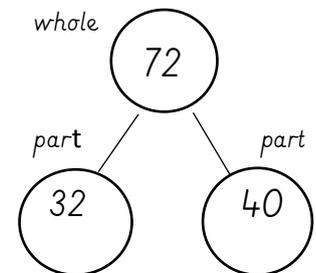
$$72 - 40 = 32$$



The | checks each jump to make sure there are the correct number of jumps.



72 whole	
32 part	40 part

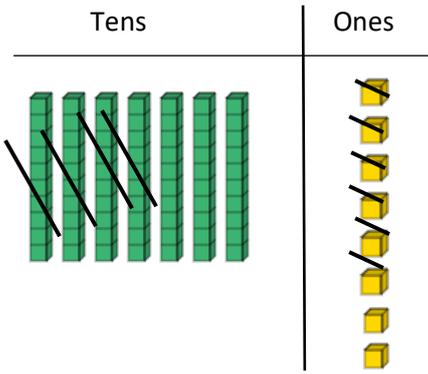


Children can draw lines for tens and small circles for ones.

Eg $72 - 40$

$$78 - 46 = 32$$

78 whole	
32 part	46 part



$$70 + 8$$

Children can draw lines for tens and small circles for ones.

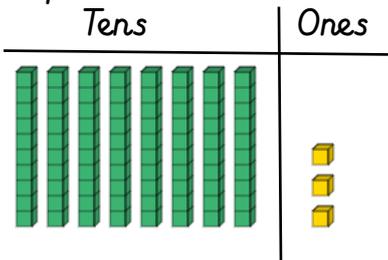
Eg $78 - 46$



$$83 - 46 = 37$$

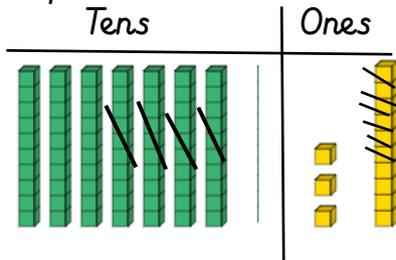
83 whole	
37 part	46 part

Step 1

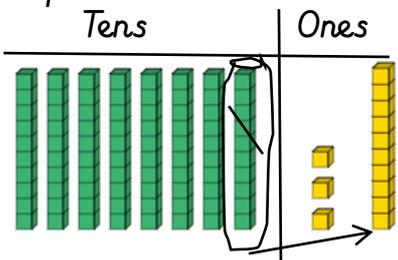


$$80 + 3$$

Step 3



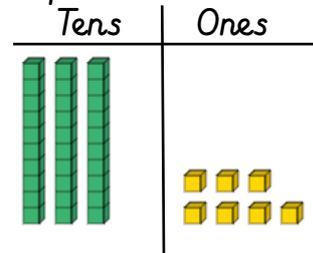
Step 2



$$70 + 13$$

I can regroup 1 ten for 10 ones.

Step 4



Year 2

Multiplication

multiplier \times multiplicand = product

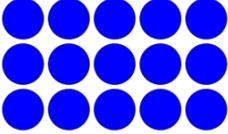
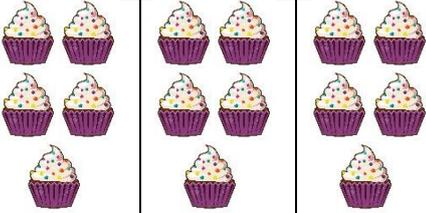
$$3 \times 5 = 15$$

3 times 5

3 groups of 5

3 lots of 5

5, three times

 $5 + 5 + 5$	 3 rows of 5							
	$\begin{array}{ccccccc} & +5 & & +5 & & +5 & \\ \hline 0 & 5 & 10 & 15 & & & \end{array}$	<table border="1"><tr><td colspan="3">15</td></tr><tr><td>5</td><td>5</td><td>5</td></tr></table>	15			5	5	5
15								
5	5	5						

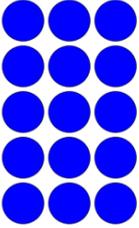
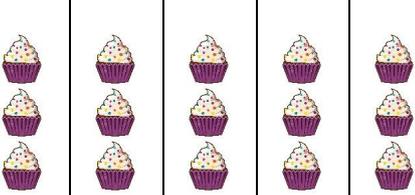
$$5 \times 3 = 15$$

5 times 3

5 groups of 3

5 lots of 3

3, five times

 $3 + 3 + 3 + 3 + 3$	 5 rows of 3											
	$\begin{array}{ccccccc} & +3 & & +3 & & +3 & & +3 & & +3 & \\ \hline 0 & 3 & 6 & 9 & 12 & 15 & & & & & \end{array}$	<table border="1"><tr><td colspan="5">15</td></tr><tr><td>3</td><td>3</td><td>3</td><td>3</td><td>3</td></tr></table>	15					3	3	3	3	3
15												
3	3	3	3	3								

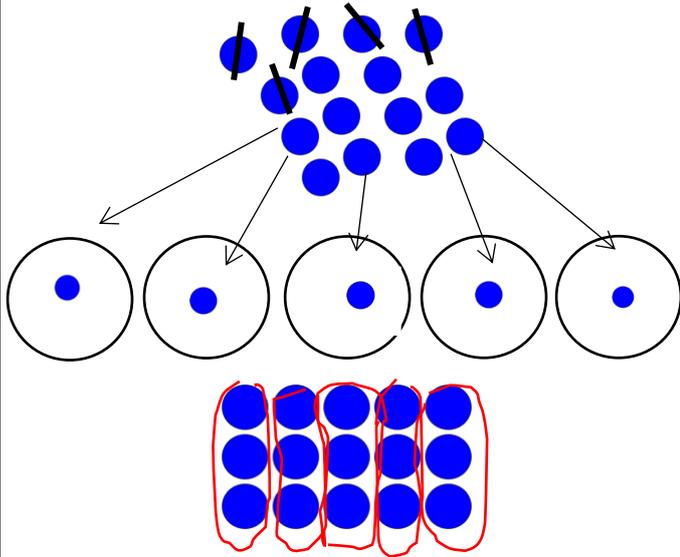
Year 2
Division

$\text{dividend} \div \text{divisor} = \text{quotient}$

Sharing

$15 \div 5 = 3$

15 shared between 5



There are 15 cakes to be shared between 5 children. How many cakes each?



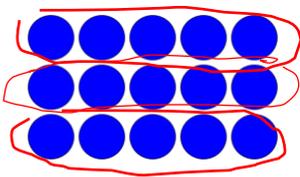
There are 5 groups.
There are 3 in each group.

Grouping

$15 \div 5 = 3$

How many groups of 5 make 15?

Put 15 into groups of 5.



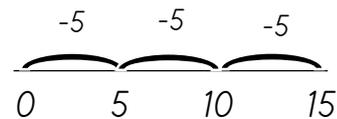
There are 15 cakes to be put into boxes, with 5 cakes in each box. How many boxes are needed?



$3 \times 5 = 15$

so

$15 \div 5 = 3$



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