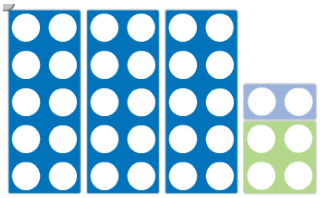
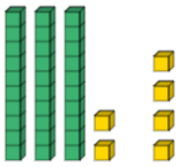
Year 2
Addition
addend + addend = sum

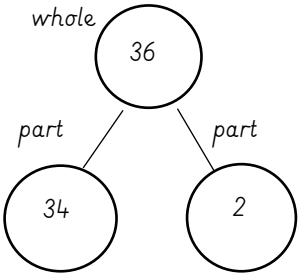
Example of mental jottings for addition

32 + 4 = 36

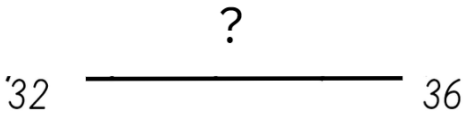


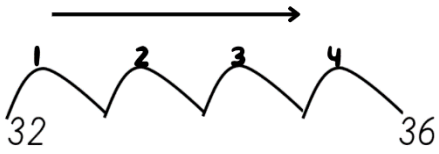


36 whole	
32 part	4 part

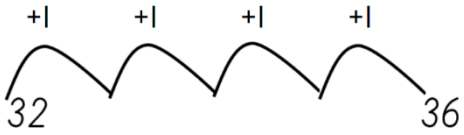


32 + ? = 36



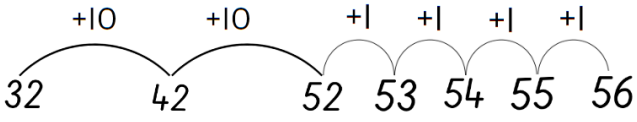


OR



1 + 1 + 1 + 1 = 4 so 32 + 4 = 36

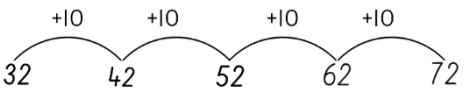
32 + 24 = 56

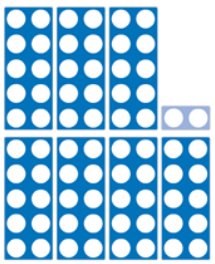


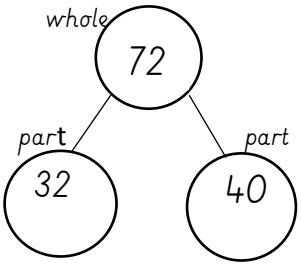
72 whole	
32 part	40 part

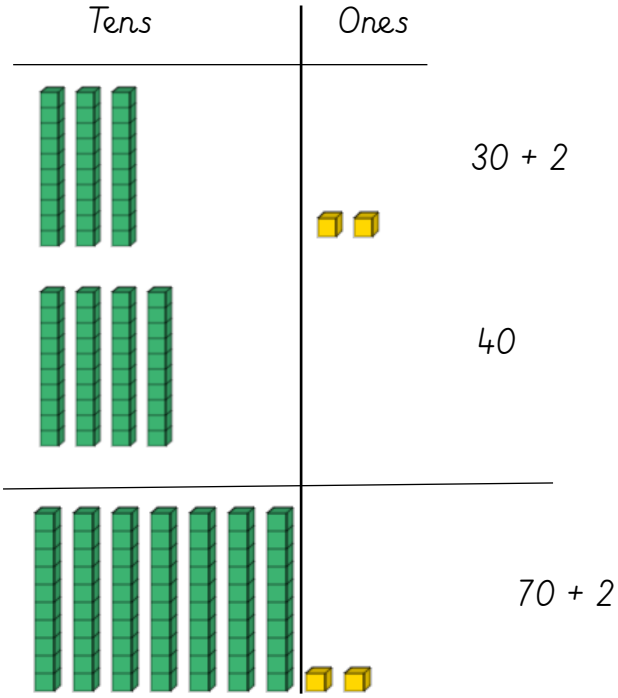
Example of mental jottings for addition

32 + 40 = 72







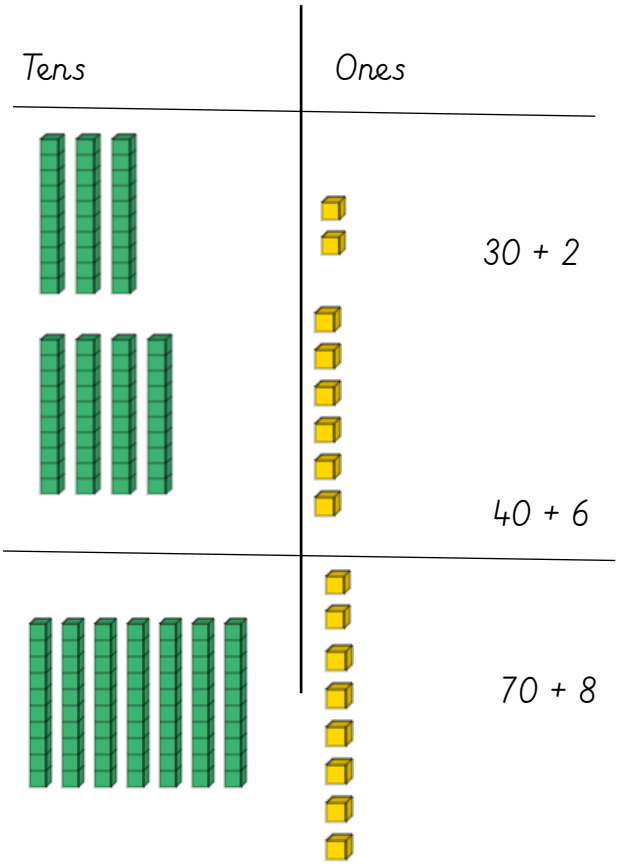


Children can draw lines for tens and small circles for ones.

Eg 32 + 40

III.. III

32 + 46 = 78



78 whole	
32 part	46 part

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

Eg 32 + 46

| III .. IIII .....

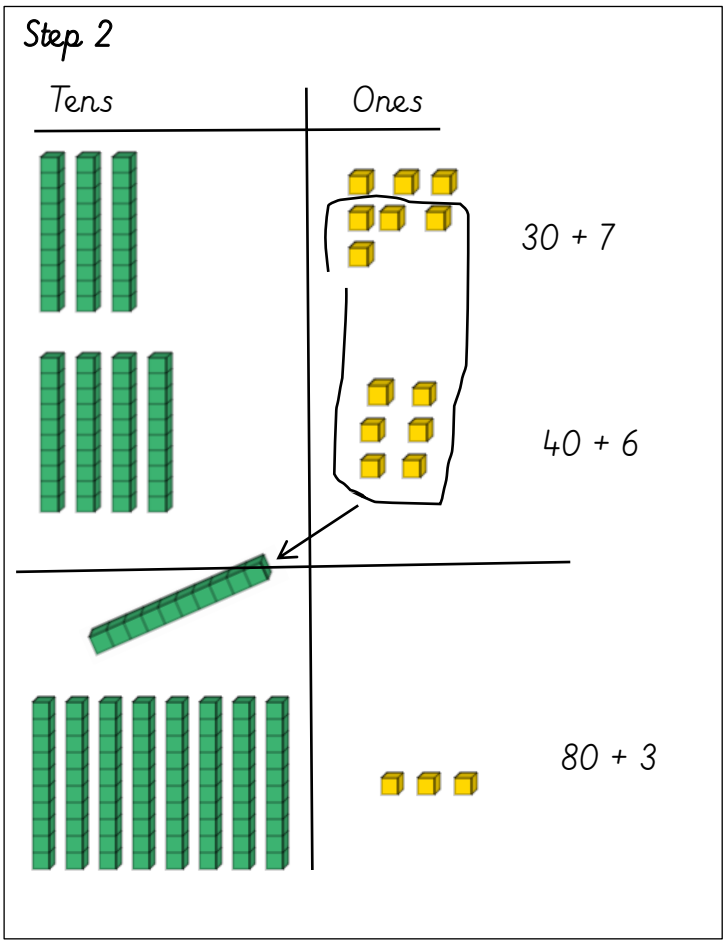
$37 + 46 = 83$

83 whole	
37 part	46 part

Step 1

Tens	Ones	
		30 + 7
		40 + 6

Step 2



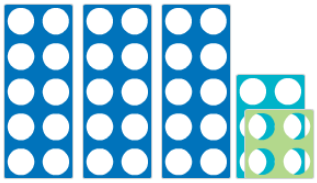
10 ones are the same as 1 ten.

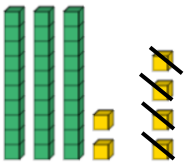
I can regroup 10 ones for 1 ten.

Subtraction
minuend - subtrahend = difference

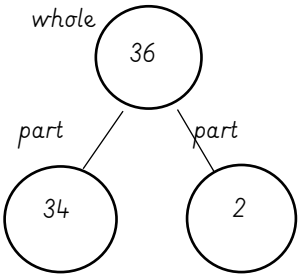
Example of mental jottings for subtraction

36 - 4 = 32 ←

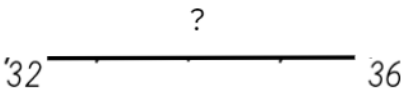




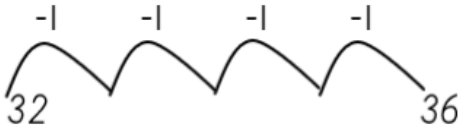
36 whole	
32 part	4 part



36 - ? = 32

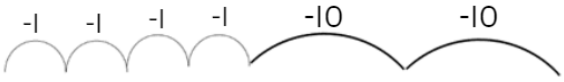


OR



1 + 1 + 1 + 1 = 4 so 36 – 4 = 32

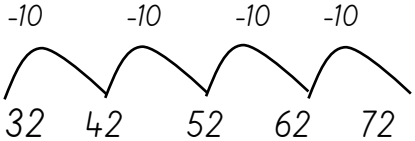
32 – 24 =

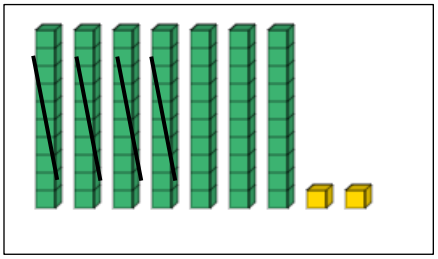


8 12 32

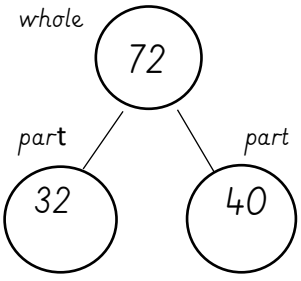
Example of mental jottings for subtraction

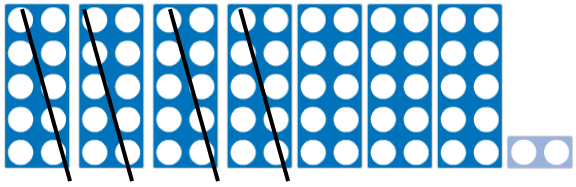
72 - 40 = 32



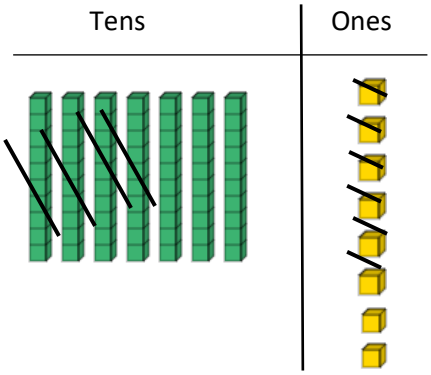


72 whole	
32 part	40 part





78 - 46 = 32

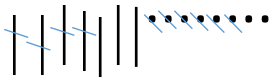


70 + 8

78 whole	
32 part	46 part

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

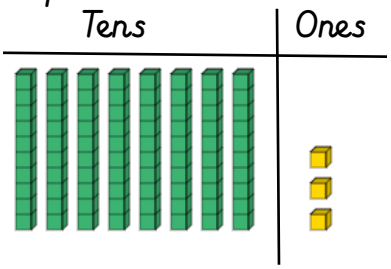
Eg 78 - 46



83 - 46 = 37

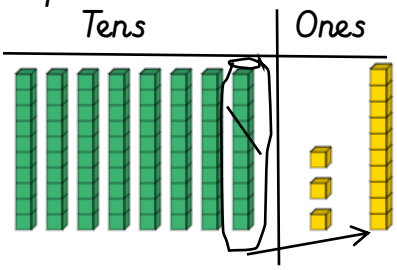
83 whole	
37 part	46 part

Step 1



80 + 3

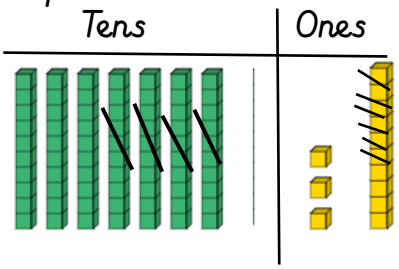
Step 2



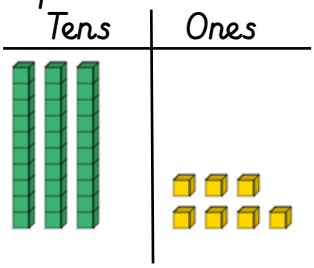
70 + 13

I can regroup 1 ten for 10 ones.

Step 3



Step 4



Year 2

Multiplication

multiplier x multiplicand = product

3 x 5 = 15

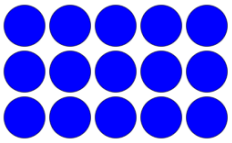
3 times 5

3 groups of 5

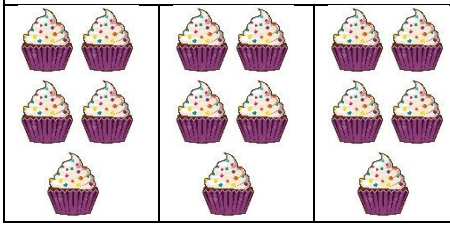
3 lots of 5

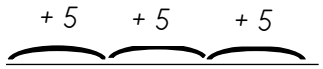
5, three times

5 + 5 + 5



3 rows of 5





15		
5	5	5

5 x 3 = 15

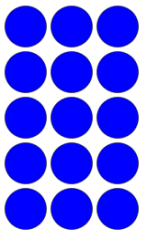
5 times 3

5 groups of 3

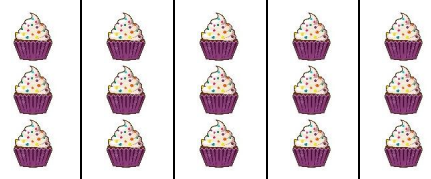
5 lots of 3

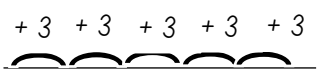
3, five times

3 + 3 + 3 + 3 + 3



5 rows of 3





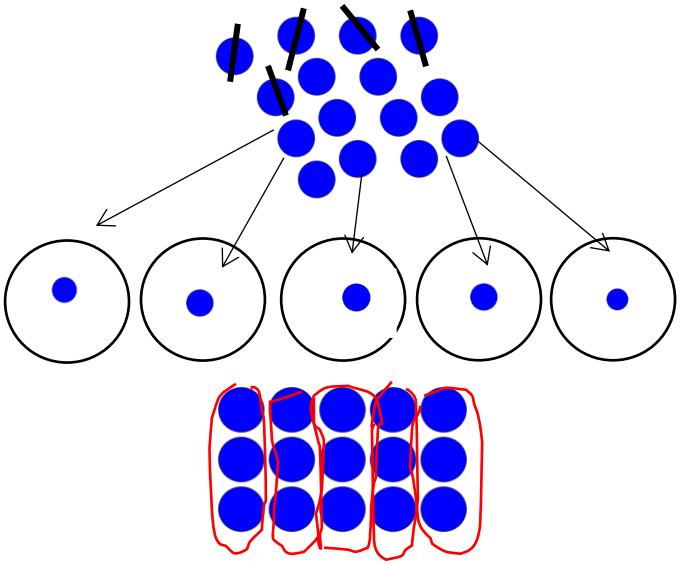
15				
3	3	3	3	3

Year 2
Division
dividend ÷ divisor = quotient

Sharing

$15 \div 5 = 3$

15 shared between 5



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

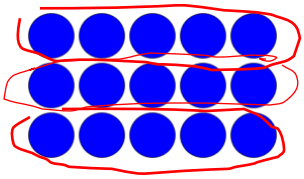
There are 5 groups.
There are 3 in each group.

Grouping

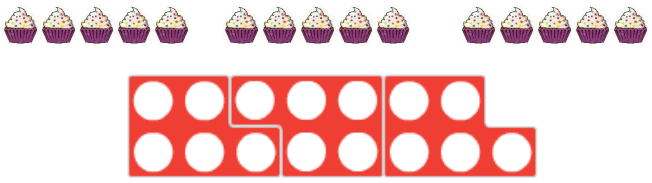
$15 \div 5 = 3$

How many groups of 5 make 15?

Put 15 into groups of 5.



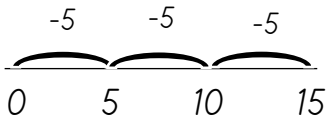
There are 15 cakes to be put into boxes, with 5 cakes in each box. How many boxes are needed?



$3 \times 5 = 15$

so

$15 \div 5 = 3$



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