

Calculations

Addition

Counting on/using fingers/mentally...

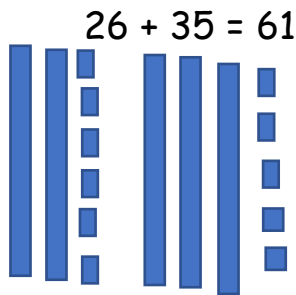
e.g.

$$15 + 6 =$$

15 16 17 18 19 20 21

Draw tens and ones...

E.g.



Add tens, then count on the ones

Subtraction

Counting backwards/using fingers/mentally

e.g.

$$18 - 5 =$$

18 17 16 15 14 13

Draw tens and ones...

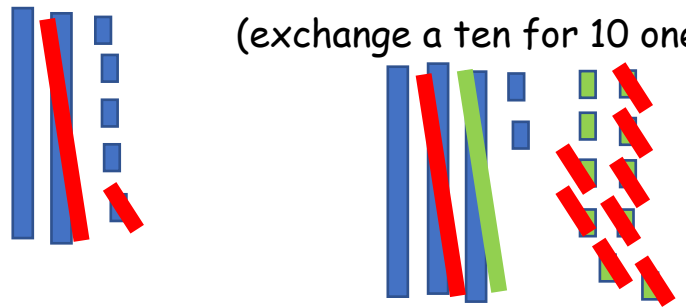
e.g.

(your answer is how many you have left)

$$25 - 11 = 14$$

$$\text{or... } 32 - 18 = 14$$

(exchange a ten for 10 ones)



Multiplication

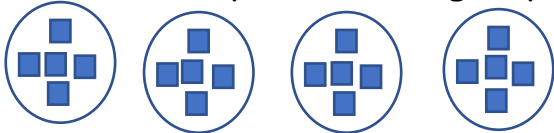
Drawing

e.g.

$$5 \times 4 \text{ (5 groups of 4)}$$



Or could swap it 4×5 (4 groups of 5)



NB: the number you can't count in, is how many groups you draw

Count in multiples...

4, 8, 12, 16, 20 (5 groups of 4)

5, 10, 15, 20 (4 groups of 5)

Division

Drawing

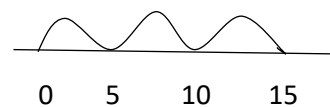
e.g.

$$15 \div 5 =$$

Sharing... (Draw 5 groups and share 15 between them, one dot at a time)



Grouping... (count in 5s until you get to 15)



3 jumps -
so the answer is 3

Or mentally

Count in 5s until the biggest number

$$5, 10, 15 = 3 \text{ times}$$