

Year 2: Subtraction: Use bar modelling to solve problems involving subtraction.

Bar Models for Subtraction (no exchanging)

The bar model helps us visualise a maths problem. We can use it help us understand what we know, what we don't know and what to do to solve it!

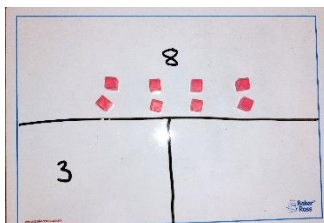


The full bar represents the whole number that they will subtract from. One part will be the number subtracted from the whole and the other will be the number we are trying to find out. The parts add up to the whole.

Subtraction within 10.

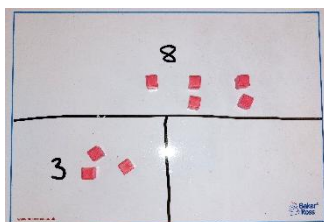
Begin with word problems with single digit calculations within 10. Use base ten to support the child in solving the calculation. They will only need to make the number they are subtracting from.

Jane has 8 stickers.
She gives some stickers to Amol.
She now has 3 stickers.
How many did she give to Amol?



We know Jane has 8 stickers – this is the 'whole'.

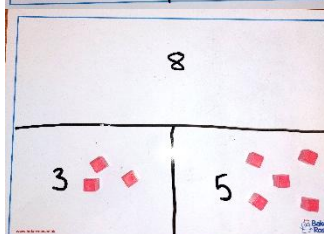
8



We know Jane has 3 after giving Amol some.

So we take 3 from 8 to make the one part that we know.

$$8 - 3 =$$



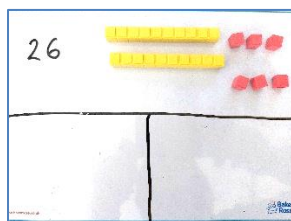
We don't know how many she gave to Amol. He must have what is left so move the 5 to the other part.

We worked out that she gave 5 stickers to Amol.

$$8 - 3 = 5$$

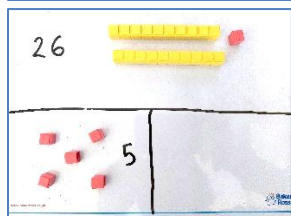
Subtraction – two digits subtract 1 digit (no exchanging)

Bob has 26 marbles.
He gives Ann 5 marbles.
How many marbles does Bob have now?



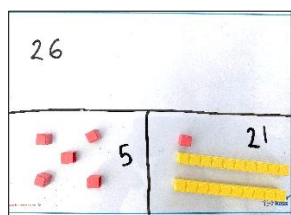
We know Bob has 26 marbles. This is the whole amount.

26



We know gives Ann 5 so we take 5 away from 26 to make one part.

$26 - 5 =$



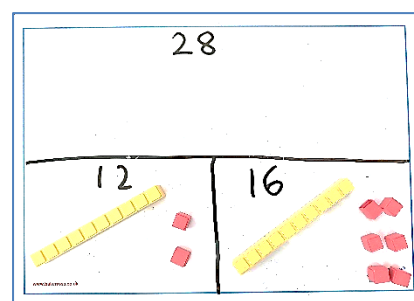
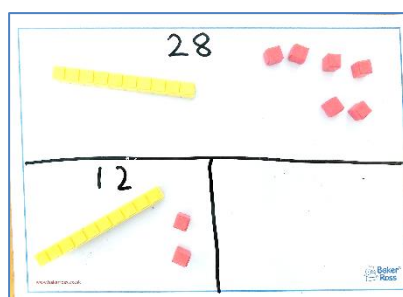
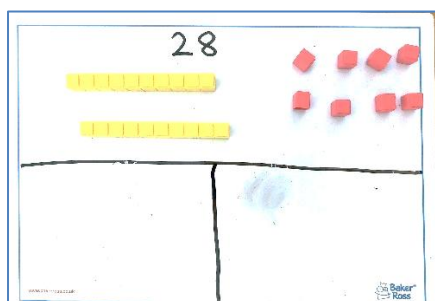
We want to find out how many marbles Bob has now has. What's left?
Move the 21 from the whole to the other part.

We have worked out that Bob now has has 21 marbles!

$26 - 5 = 21$

Subtraction – two digits subtract 2 digits (no exchanging)

There are 28 apples in a box.
12 of them are green apples, the rest are red.
How many red apples are there?



We know 28 apples is the whole. We know 12 are green so move 12 to one part. We want to find out how many are red. There are 16 left – move them to the other part...so 16 apples must be red!