

Year 1

Adding a 1 digit number to a 2 digit number

Concrete - This means using objects.

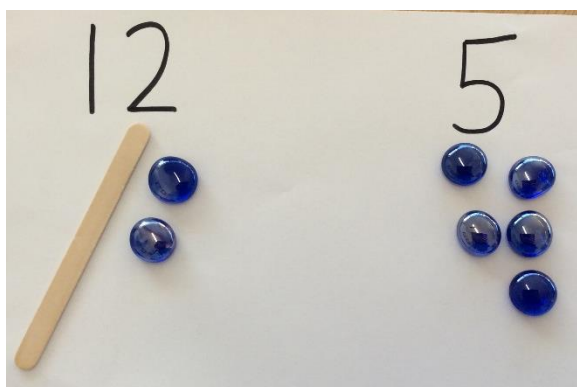
Objects you could use at home:

buttons, stones, sticks, beads, lolly sticks, Lego blocks, pencils, small toys, pom poms

Steps to success:

- Collect some objects from home that you can use.
- Write down the numbers from your number sentence.
- Choose the correct number of objects to match each number. When you are representing a 2 digit number use objects to represent the tens and the ones. You could use a longer object like a stick, pencil or lolly stick to represent the tens and smaller objects for the ones.
- Count the total of your objects. Remember to count the tens first and then the ones

An example for you:



I have represented the number 12 using tens and ones. 12 has one ten so I used one lolly stick and I used two beads to show the ones.

I represented the number 5 using beads.

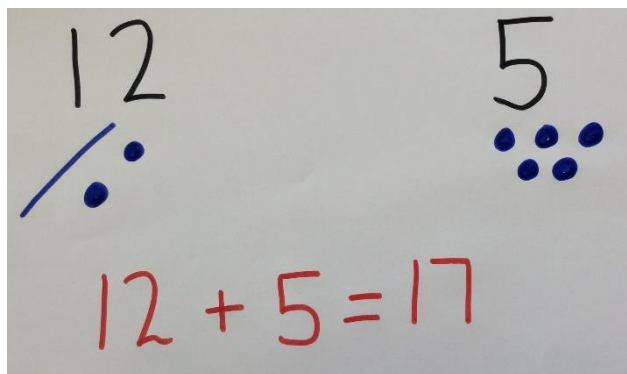
The **total** number being represented is 17. Altogether I have 1 ten and 7 ones.

Pictorial - This means using drawings or representations.

Steps to success:

- Find your exercise book.
- Write down the numbers from your number sentence.
- Represent each number using jottings. Remember to draw the tens and ones for a 2 digit number.
- Count the total. Remember to count the tens first.
- Represent this as an addition number sentence.

An example for you:



Abstract - This means doing the calculation mentally in your head or using number facts you know already.

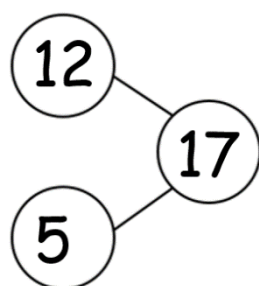
Steps to success:

- Find your exercise book.
- Write down your number sentence.
- Use a number line or hundred square to add the numbers.
- Or add the numbers in your head by counting on from the greatest number.

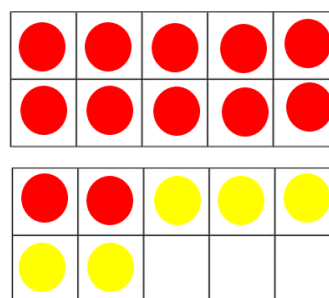
An example for you:



Other ways to represent adding a 1 digit number to a 2 digit number.



A part whole model.



Tens frame.

Try these yourself. What will you use to help you?

$$13 + 3 =$$

$$11 + 8 =$$