

Year 2
Adding 2 digit numbers.

Concrete - This means using objects.

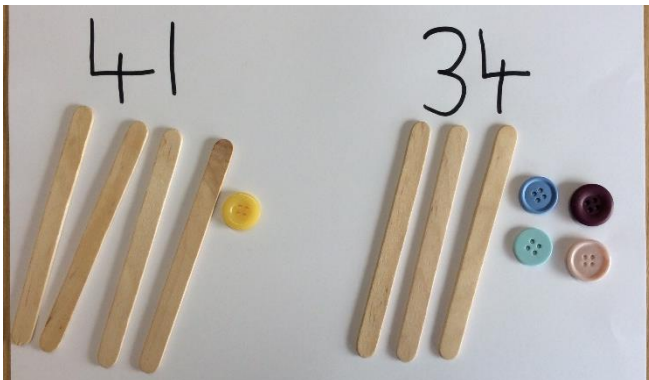
Objects you could use at home:

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 41 using tens and ones. 41 has four tens so I used four lolly sticks and I used one button to show the ones.

I represented the number 34 using three tens and 4 ones.

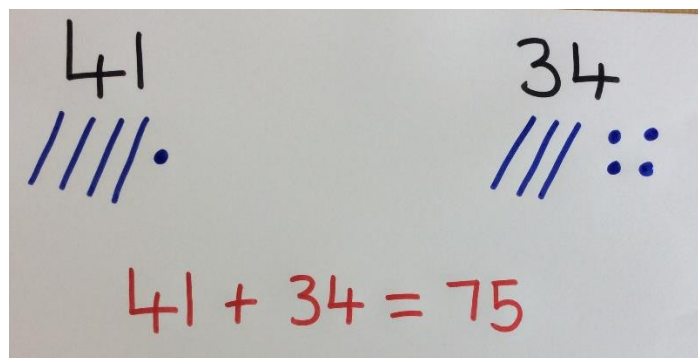
The **total** number being represented is 75. Altogether I have 7 tens and 5 ones.

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:

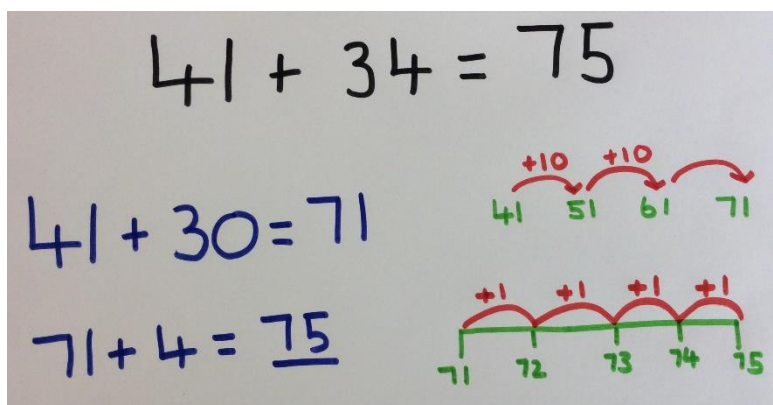


Abstract - This means doing the calculation mentally in your head.

Steps to success:

- Find your exercise book.
- Write down your number sentence.
- Use a hundred square to add the numbers.
- Or add the numbers in your head by counting on. You can partition the numbers to help you add. Start by adding the tens and then add the ones.

An example for you:

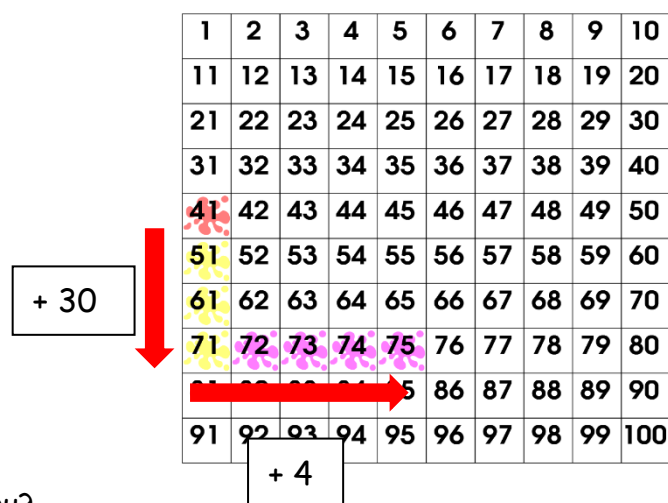
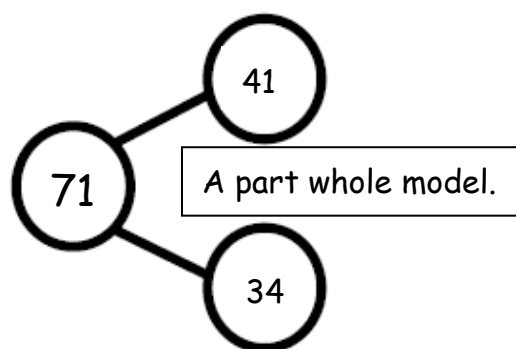


I know that the number 34 is three tens and 4 ones. I can partition the number like this $34 = 30 + 4$.

I started by adding 30. I know this is three tens. I can count on from 41 in tens.

Once I have added 30 I still need to add 4 ones. I can count on in ones to add.

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



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

$22 + 26 =$

$53 + 34 =$