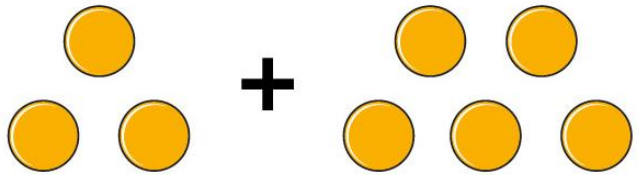
Adding ones using number bonds

We can use number bonds to help us work out addition number sentences.

Add

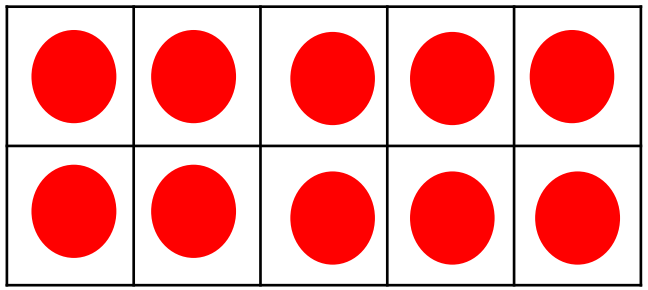
This means you add both numbers or amounts together.

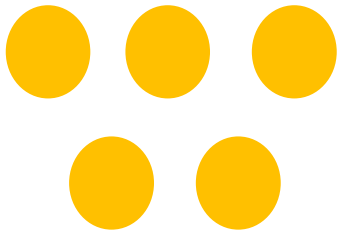
Today we will be using a tens frame and a number line to help us.

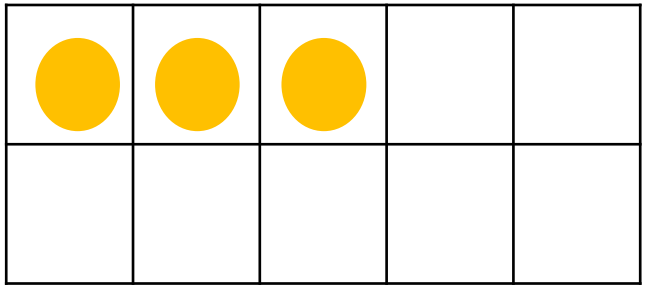


3 + 5 = 8

Here we have 3 ones and 5 ones. This is easy to count together. It makes 8. Check that my answer is right! Start from the greatest number and count on.



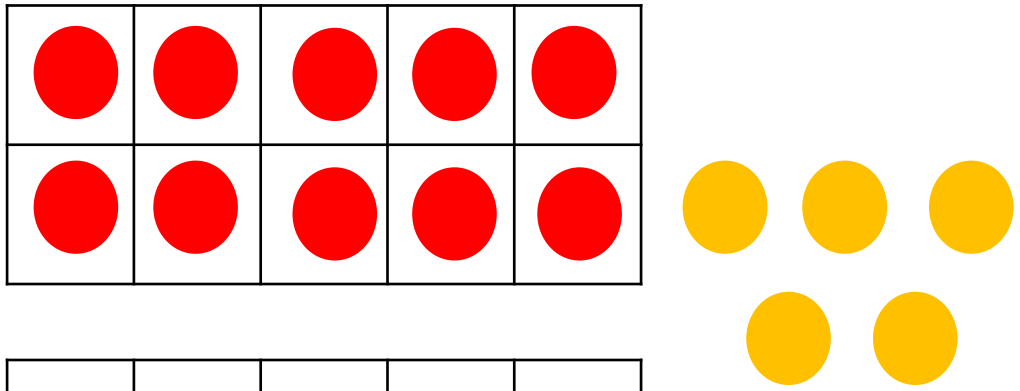




13 + 5 = 18

Now I want to work out 13 + 5. We can use a tens frame and use 2 different colours to help us. The tens are in one colour and all the ones are in another colour.

Let's add the ones first. 5 + 3 we know makes 8 because we have just done that. We still have one 10. So one 10 and 8 ones makes 18.



5 + 13 = 18

We know 13 + 5 = 18. What about 5 + 13 = ? Do you remember what I taught you about swapping the numbers over when adding? YOU STILL GET THE SAME ANSWER! Let's check it just to be sure.

I have started with the greatest number 13 which has one 10 and 3 ones. All the tens are in one colour and the ones are in another colour.

Let's start with the ones first. 5 + 3 still makes 8 and there is one 10. One 10 and 8 ones makes 18!

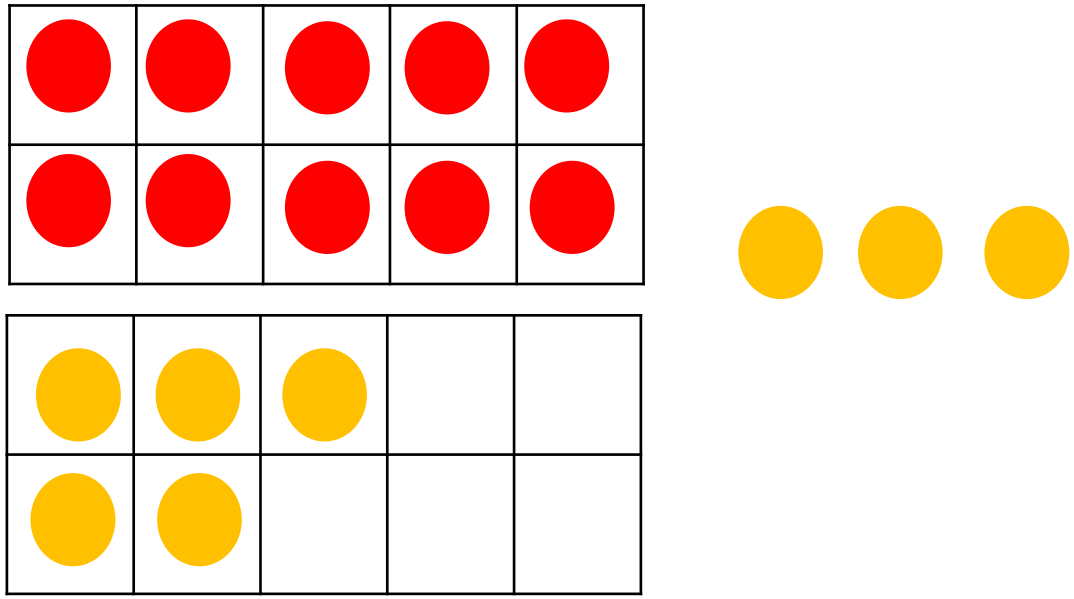
So far we have got...

5 + 3 = 8

3 + 5 = 8

13 + 5 = 18

5 + 13 = 18



15 + 3 = 18

I want to work out 15 + 3 now. I've started with the greatest number and used the tens for one colour and the ones for another colour.

Let's add the ones first. 5 + 3 we know makes 8 because we have just done that. We still have one 10. So one 10 and 8 ones makes 18!

What about 3 + 15? What would that make?

So far we have got...

5 + 3 = 8

3 + 5 = 8

13 + 5 = 18

5 + 13 = 18

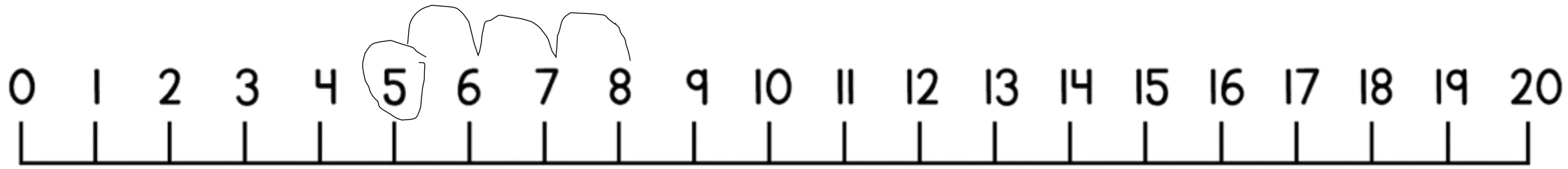
15 + 3 = 18

3 + 15 = 18

All of these number sentences are similar. They have the same types of numbers in them and we have used our number bonds 3 and 5 to help us work out the rest!

We can use a number line to help us work these out too. Always start with the greatest number.

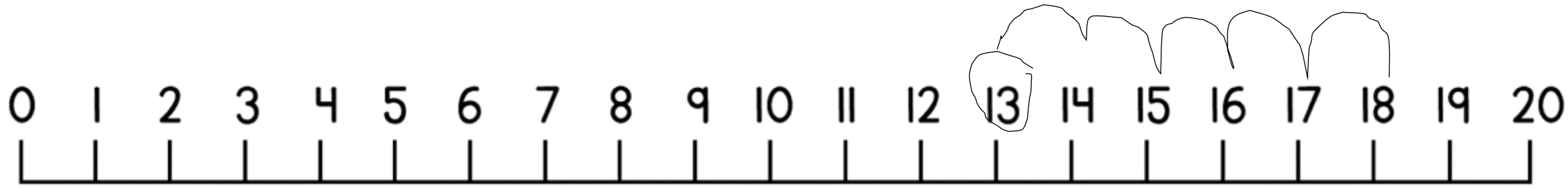
$$3 + 5 = 8$$



$$5 + 3 = 8$$

I know that the numbers are swapped over so this must be 8 too.

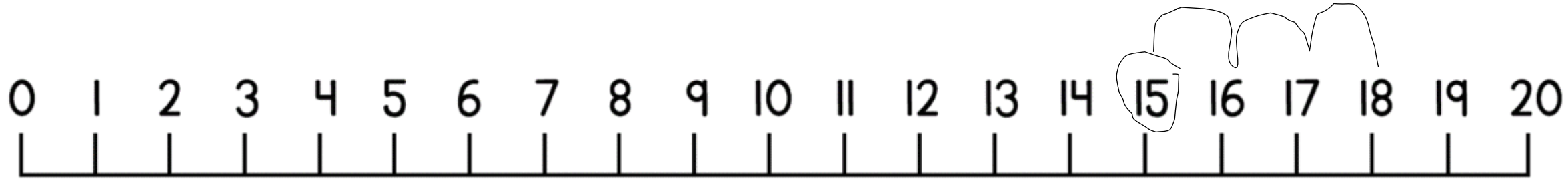
13 + 5 = 18



5 + 13 = 18

I know that the numbers are swapped over so this must be 18 too.

15 + 3 = 18



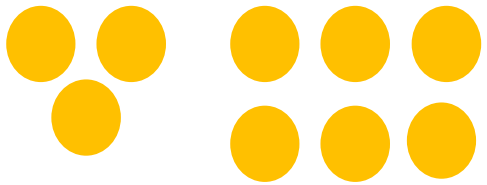
3 + 15 = 18

I know that the numbers are swapped over so this must be 18 too.

Work out this example using tens frames.

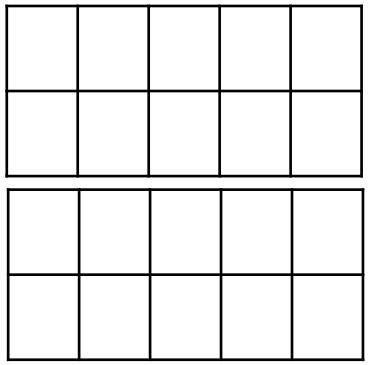
- Colour the tens and ones in different colours.
- Add the ones first.
- Join the ten and ones together to make your answer.

3 + 6 = ☐



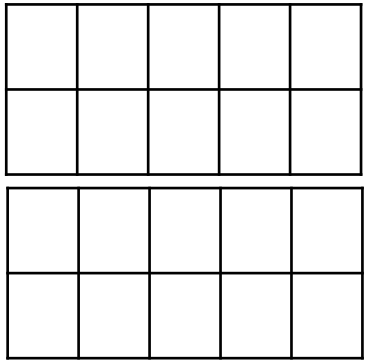
6 + 3 = ☐

13 + 6 = ☐



6 + 13 = ☐

16 + 3 = ☐



3 + 16 = ☐