Mathematics - Home Learning
Self Isolation Work
Year One
Word Problems

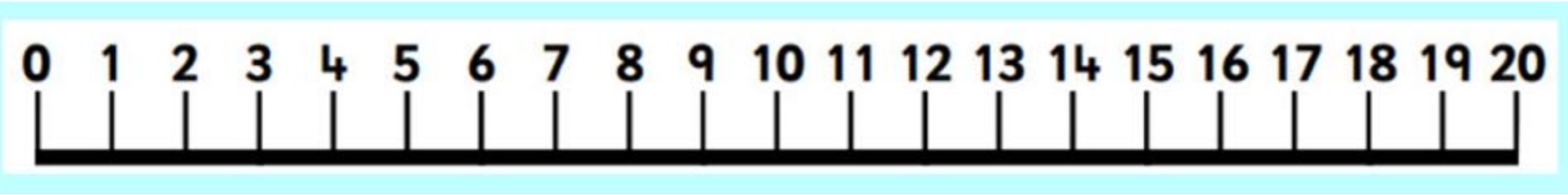
As Mathematicians we are going to be solving word problems.

From Monday to Wednesday we are going to practise:

- Reading a word problem
- Working out if it is asking us to add or subtract
- Using our addition and subtraction skills to find the answer
- You can find all the resources you will need on our website - www.walter.wokingham.sch.uk

Here are some number lines and a 100 square we can use to help us solve the problems...

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



One of the most tricky things about solving word problems is reading them! So this week you may need to ask your grown up to read the questions for you.

Make sure you read the questions a few times so you understand what it is asking. You may want to circle important parts of the question like numbers or words that tell you if you are adding or subtracting.

Day 1 – Starter

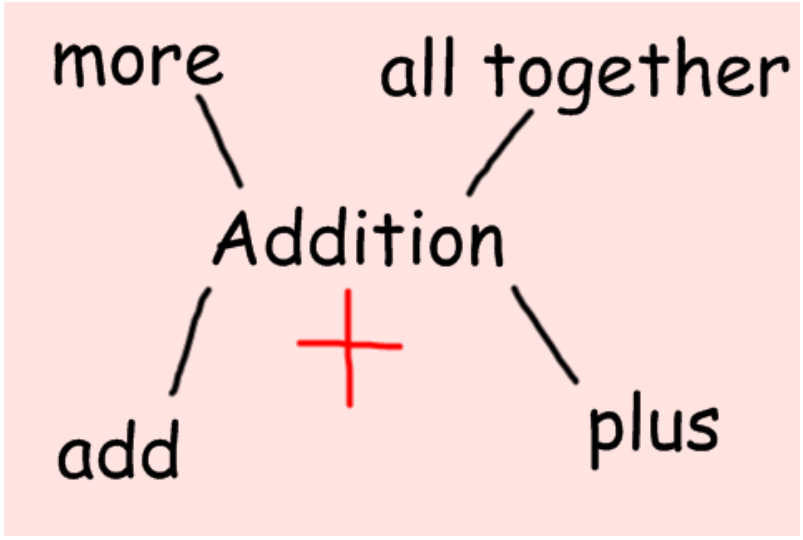
Ask your grown up to choose a random number on the 100 square. Can you say the number which comes before it?

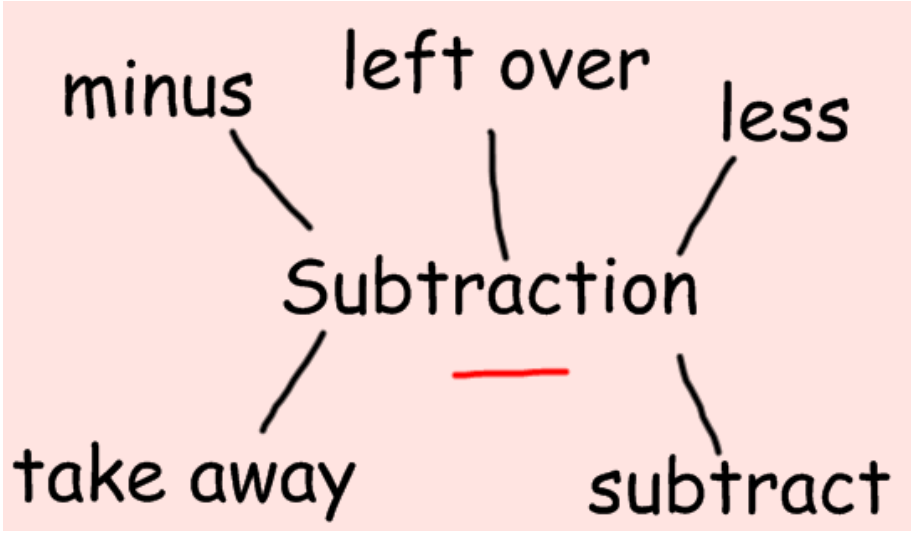
Practise this a few times, choosing bigger numbers each time.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Day 1 – Word Problems

First, lets see if we can remember some of the other words for addition and subtraction. This will help us later...





Day 1 – Word Problems

Lets have a look at this word problem and see if we can work out of it is asking us to add or subtract. What do you think?

Miss Veale has 5 books. Her friend has 2 books. How many do they have altogether?

Day 1 – Word Problems

We can see that this number sentences is asking how many books there are **all together**. So that means we are adding the two numbers together. Can you work out what the number sentence should be?

Miss Veale has 5 books. Her friend has 2 books. How many do they have altogether?

Day 1 – Word Problems

5 + 2 = ___

We can either use our fingers or a number line to work out the answer.

5 + 2 = 7

So the answer is 7 **books**.

Miss Veale has 5 books. Her friend has 2 books. How many do they have altogether?

Day 1 – Word Problems

Let's try another one. Is this going to be addition or subtraction?

Miss Rose had 10 pencils. She gave 3 of them to Mrs Ullah. How many does she have left?

Day 1 – Word Problems

It's subtraction. The question say how many are **left** and we know she gave three away so we must be subtracting. What is the number sentence?

Miss Rose had 10 pencils. She gave 3 of them to Mrs Ullah. How many does she have left?

Day 1 – Word Problems

10 – 3 = ___

We can use a number line or our knowledge of number bonds to find the answer.

10 – 3 = 7

So the answer is 7 **pencils**.

Miss Rose had 10 pencils. She gave 3 of them to Mrs Ullah. How many does she have left?

Monday – Word Problems

If you're finding it tricky with the number line you could draw the objects so you can see them visually.

I start with 10 pencils: 

Then take away 3 because that's how many I gave away... 

So the answer is 7 **pencils**.

Miss Rose had 10 pencils. She gave 3 of them to Mrs Ullah. How many does she have left?

For the next activity there will be a choice of three worksheets. You don't need to complete all three and you should only do the next sheet after you have successfully completed the one that comes before it.

Day 1 – Word Problems (sheet 1)

Remember to circle the important information.

You can use a number line to help work out the answer.

Miss Palmer has 6 pink pens and 3 green pens. How many pens does she have altogether?	_____ pens
_____ _____	= _____
Miss Veale had 3 apples in her bag, she gave one to Mrs Wynne. How many did she have left?	
_____ _____	= _____
Miss Gosling had 10 books. She bought 1 more. How many does she have now?	
_____ _____	= _____
Miss Rose has 15 writing pencils, she lost 4. How many does she have left?	
_____ _____	= _____
Mrs Ullah made 9 cakes and Mrs Girling made 4. How many cakes were there all together?	
_____ _____	= _____

Day 1 – Word Problems (sheet 2)

Remember to circle the important information.

You can use a number line to help work out the answer.

Miss Rose has 16 yellow pencils and 5 blue ones. How many pencils does she have altogether?	_____ pencils
_____ _____	= _____
Mrs Wynne had 20 grapes for her lunch, she gave 12 to Mrs Ullah. How many did she have left?	
_____ _____	= _____
Miss Palmer had 13 books about penguins. She bought 6 more. How many does she have now?	
_____ _____	= _____
Miss Veale had 19 cat shaped paper clips. She used 2 on Monday and 1 on Tuesday. How many does she have left on Wednesday?	
_____ _____	= _____
Miss Gosling baked 6 cookies and Mrs Girling made 6 too. How many cookies were there all together?	
_____ _____	= _____

Day 1 – Word Problems (sheet 3)

Remember to circle the important information.

You can use a number line to help work out the answer.

Mrs Wynne and Mrs Ullah both have 9 pencils. How many pencils do they have all together?	_____ pencils
_____ _____	= _____
Miss Rose has 4 **pairs** of socks. She lost one **pair**. How many **individual** socks does she have left?	
_____ _____	= _____
Miss Palmer had 30 glue sticks at the start of the week. She lost 5 on Monday and 3 on Tuesday. How many did she have left by Wednesday?	
_____ _____	= _____
Miss Veale had 20 books. On Monday she bought 1 new book and on Tuesday Mrs Wheeler gave her 5 new books. How many books does she have now?	
_____ _____	= _____
Extension: Miss Gosling baked 26 cup cakes. She gave **half** to Mrs Girling. How many does she have now?	
½ of _____	= _____

Day 2 – Word Problems

Today we are going to do some more practise on solving word problems using our addition and subtraction skills.

Make sure you're reading the questions very carefully!

Day 2 – Starter

Can you use the 100 square to practise counting in multiples of 5?

How many can you remember without looking?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
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81	82	83	84	85	86	87	88	89	90
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Day 2 – Word Problems

Let's recap what we did yesterday.

Miss Palmer had 5 soft toys, the other teachers gave her 3 more for her birthday. How many does she have now?

What number sentence do we need to write? Will it be addition or subtraction? How do you know?

Day 2 – Word Problems

The word **more** tells us we need to add the numbers together because Miss Palmer now has three more soft toys.

So our number sentence is 5 + 3 = ___

Miss Palmer had 5 soft toys, the other teachers gave her 3 more for her birthday. How many does she have now?

Day 2 – Word Problems

Now we have our number sentence we can use the number line to find our answer.

5 + 3 = 8

Miss Palmer had 5 soft toys, the other teachers gave her 3 more for her birthday. How many does she have now?

For the next activity there will be a choice of three worksheets. You don't need to complete all three and you should only do the next sheet after you have successfully completed the one that comes before it.

Day 2 – Word Problems (sheet 1)

Remember to circle the important information.

You can use a number line to help work out the answer.

The spider has 2 flies. He finds 1 more. How many does he have now?	_____ flies
_____ _____	= _____
There are 10 slugs making a tower. 2 of them fall off. How many are left?	
_____ _____	= _____
I have 7 slugs and 2 snails. How many pets do I have all together?	
_____ _____	= _____
The doughnut had 20 sprinkles on it. I ate 5 of them. How many sprinkles are left?	
_____ _____	= _____
I had 5 toys, my friend gave me 4 more for my birthday. How many toys do I have now?	
_____ _____	= _____

Day 2 – Word Problems (sheet 2)

Remember to circle the important information.

You can use a number line to help work out the answer.

The spider was playing with 18 snails. 6 of them slid away. How many snails are left to play with?	_____ snails
_____ _____	= _____
A slug has 12 brothers and 7 sisters. How many siblings does she have in total?	
_____ _____	= _____
In my garden I saw 10 slugs on Monday and 6 slugs on Tuesday. How many did I see all together?	
_____ _____	= _____
A snail drew 15 spots on her shell. 7 of them rubbed off. How many did she have left?	
_____ _____	= _____
Extension: I found 3 **pairs** of socks. A bird stole 1 sock. How many **individual** socks do I have left?	
_____ _____	= _____

Day 2 – Word Problems (sheet 3)

Remember to circle the important information.

You can use a number line to help work out the answer.

A spider found 30 delicious leaves. He gave away 12 to his best friend. How many leaves did he have left?	_____ leaves
_____ _____	= _____
A snail has 14 brothers and 15 sisters. How many siblings does he have altogether?	
_____ _____	= _____
The bird stole 25 pairs of pants on Tuesday but dropped 8 of them. How many did he have left?	
_____ _____	= _____
Be careful here: I found 2 apples. They both had 5 worms in them How many worms were there all together? Hint – Try drawing the apples with the worms in.	
_____ _____	= _____
Extension: Norman was playing with 5 snails at 9 o'clock. At 10 o'clock 3 more joined and at half past ten 4 more joined. How many snails were there by then?	
____ ____ ____	= _____

Day 3 – Starter

Can you write down all your number bonds to 10? Use your fingers to remind you if you get stuck!

e.g.

9 + 1 = 10

__ + __ = 10

Day 3 – Writing word problems

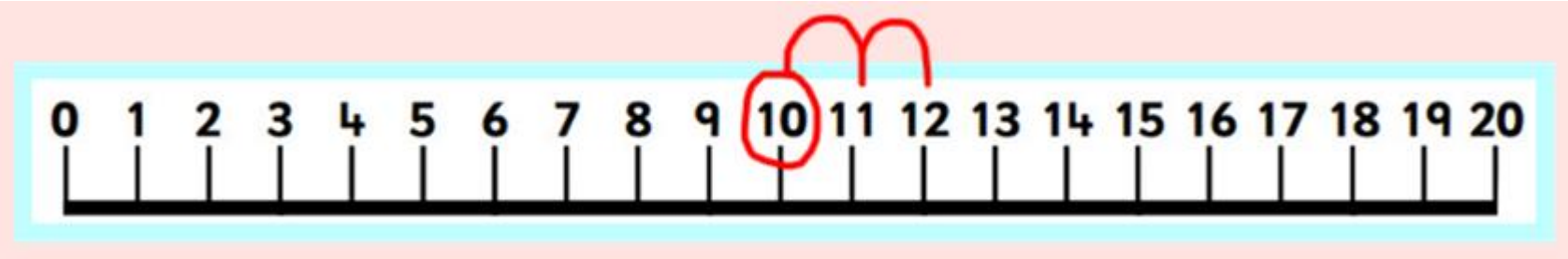
Today we are going to have a go at writing our own word problems. That means we need a number sentence to start with.

$$10 + 2 = \_\_\_\_$$

Day 3 – Writing word problems

Firstly, let's work out the answer to our number sentence.

$$10 + 2 = \_\_\_\_$$



$$10 + 2 = 12$$

Day 3 – Writing word problems

Now we know the first number is 10 so we need to choose an object that there could be 10 of.

I am going to choose oranges.

So the first part of my word problem is

‘**I had 10 oranges**’

$10 + 2 = 12$

Day 3 – Writing word problems

The second number is **2** and the number sentence is **addition**, so we need to make it clear that there are going to be **2 more** oranges added.

So the next part of my word problem is going to be

'I had 10 oranges **and my Mum gave me 2 more**'

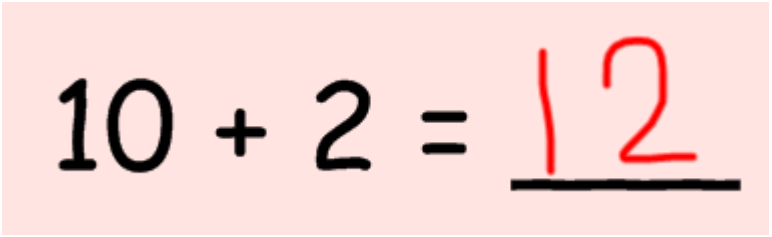
$10 + 2 = 12$

Day 3 – Writing word problems

The final step is to ask the question.

So I could say...

'I had 10 oranges and my Mum gave me 2 more. **How many do I have now?**'



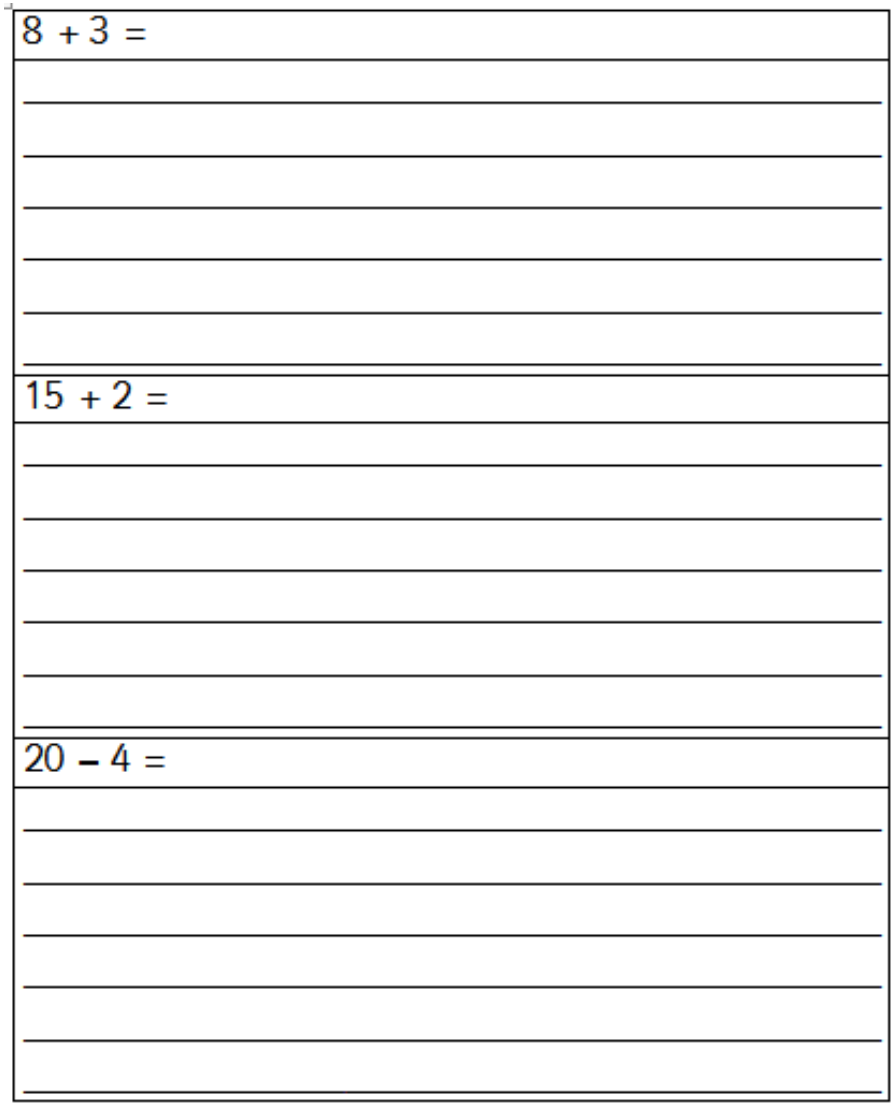
Day 3 – Writing word problems (activity)

Use the number sentences on the sheet to write your own word problems. If you finish these easily you could make up your own number sentences and then write the word problems to go with them.

After you've written you word problems you could challenge someone you live with to answer one!

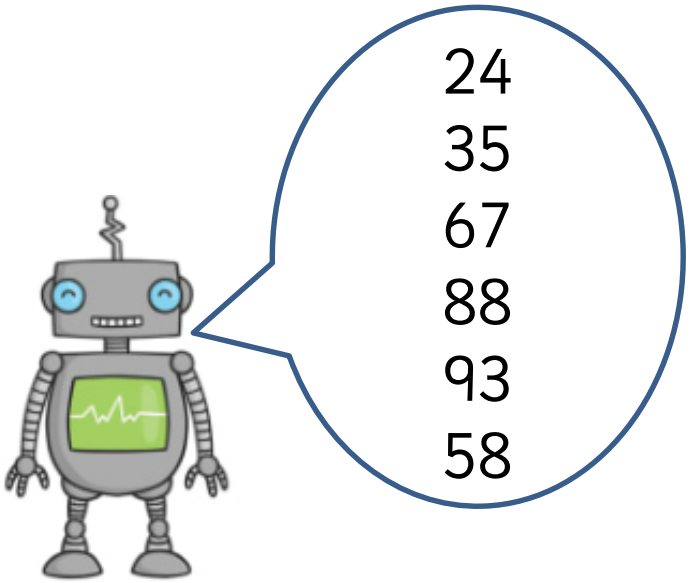
Day 3 – Writing word problems (activity)

Use the lines under the number sentence to write your word problem.



Day 4 – starter

Find the number on The hundred square and count on the next 3 numbers.



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
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41	42	43	44	45	46	47	48	49	50
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61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

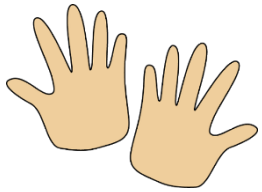
Day 4 – Number bonds to 10

When finding number bonds to 10 , you are looking for two numbers that add together to make 10.

? + ? = 10

There are lots of ways to work out number bonds to 10.

You can use your fingers



You can use 10 objects

You can use a song you have learnt

You can use a number track

Day 4 – Number bonds to 10

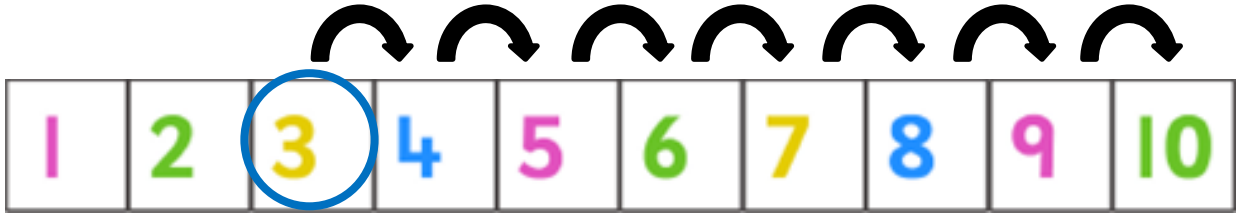
We are going to be using a number track to find our number bonds to 10!

Step 1: look at the number in the robots hand and find it on the number track

Step 2: count how many jumps it takes you to land on 10

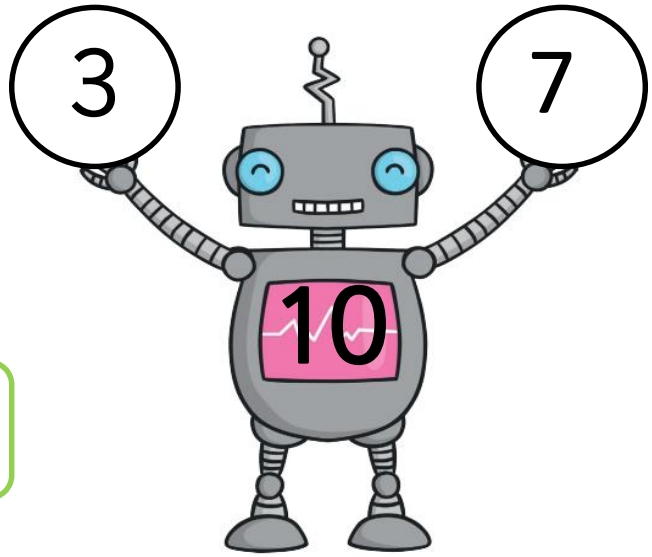
Step 3: write that number on the robots other hand

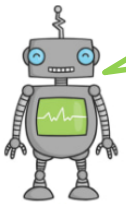
Step 4: use the robot to write the number bond sentence



3 + ? = 10

3 + 7 = 10





3 and 7, angels in heaven.

Day 4 – Number bonds to 10

We are going to be using a number track to find our number bonds to 10!

Step 1: look at the number in the robots hand and find it on the number track

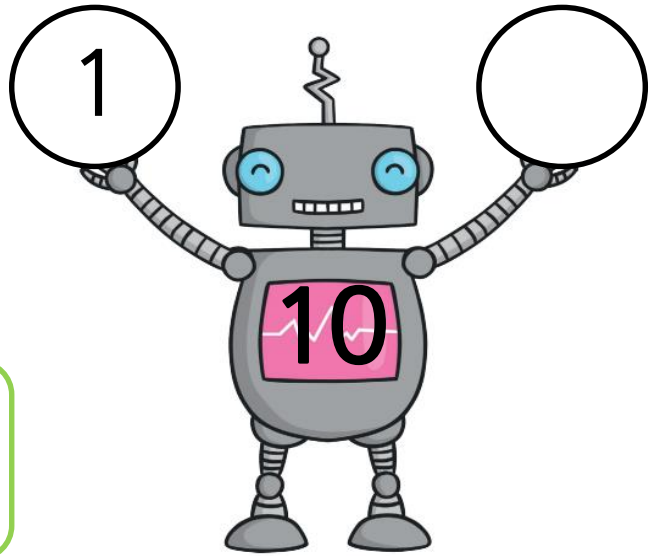
Step 2: count how many jumps it takes you to land on 10

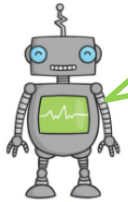
Step 3: write that number on the robots other hand

Step 4: use the robot to write the number bond sentence

1	2	3	4	5	6	7	8	9	10

1 + ? = 10





Have ago, see the next slide for the answer.

Day 4 – Number bonds to 10

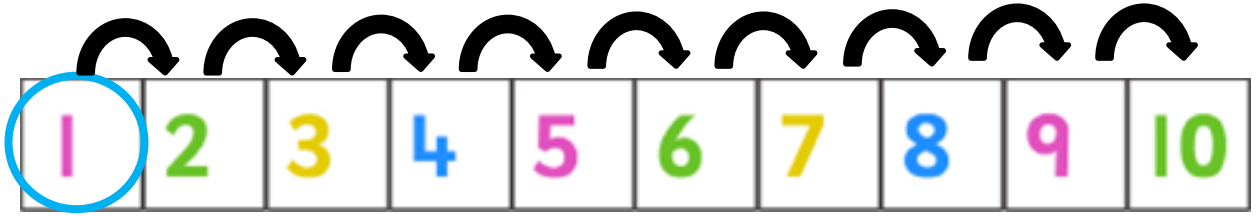
We are going to be using a number track to find our number bonds to 10!

Step 1: look at the number in the robots hand and find it on the number track

Step 2: count how many jumps it takes you to land on 10

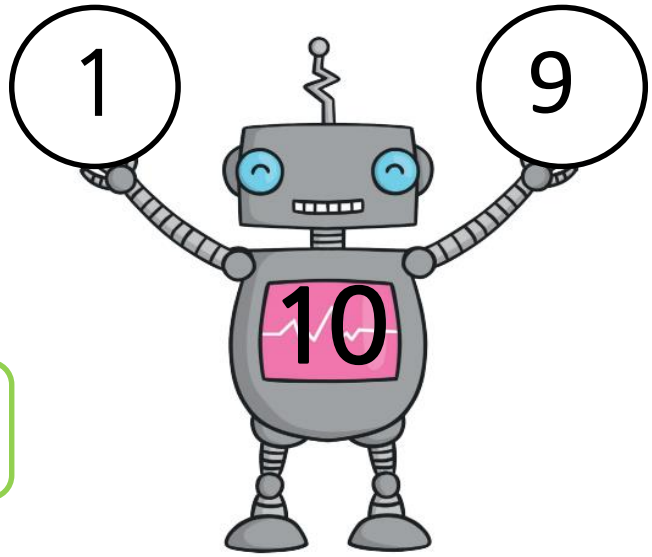
Step 3: write that number on the robots other hand

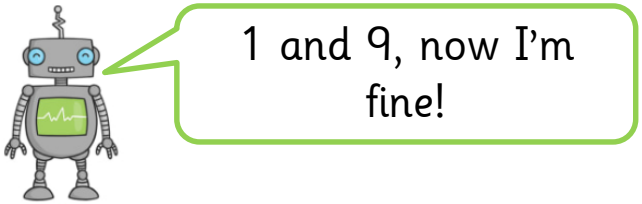
Step 4: use the robot to write the number bond sentence



1 + ? = 10

1 + 9 = 10





Day 4 – Number bonds to 10

We are going to be using a number track to find our number bonds to 10!

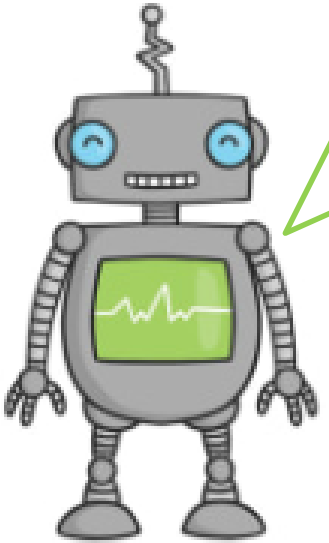
Step 1: look at the number in the robots hand and find it on the number track

Step 2: count how many jumps it takes you to land on 10

Step 3: write that number on the robots other hand

Step 4: use the robot to write the number bond sentence

1	2	3	4	5	6	7	8	9	10

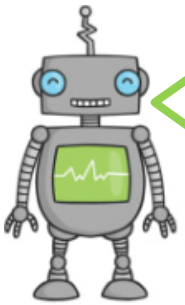


Now it is your go!

Write out all your number bonds to 10. Remember to reverse the numbers to make more number sentences.

Day 5 – starter

Finding 1 more than a number.



Remember finding 1 more is the same as adding on 1.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
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71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

1 more than 24 = 25

1 more than 77 = 78

1 more than 52 = 53

1 more than 97 = 98

1 more than 41 = 42

1 more than 60 = 61

1 more than 38 = 39

Day 5 – Number bonds to 20

When finding number bonds to 20 , you are looking for two numbers that add together to make 20.

You can use your number bonds to 10 to help you find number bonds to 20.

6 + 4 = 10	1 + 9 = 10	2 + 8 =10
6 + **1**4 = 20	9 + **1**1= 20	**1**2 + 8 = 20

To find number bonds to 20 one of your numbers in the number bond pair must have a **ten**. As you need an extra 10 to make 20.

The number bond **1**0 + **1**0 = 20 is an exception to the rule .

Day 5 – Number bonds to 20

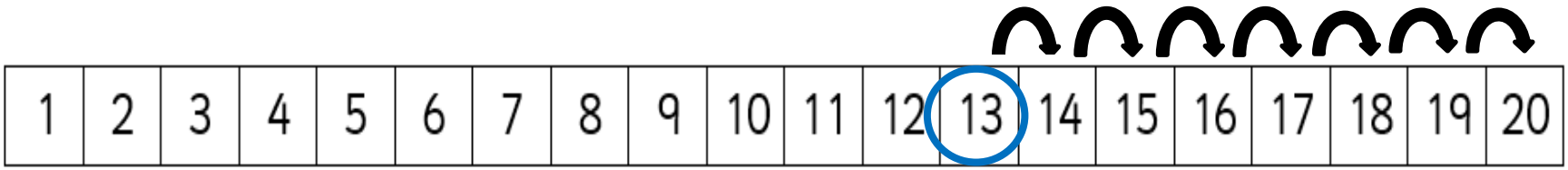
We are going to be using a number track to find number bonds to 20!

Step 1: look at the number in the robots hand and find it on the number track

Step 2: count how many jumps it takes you to land on 20

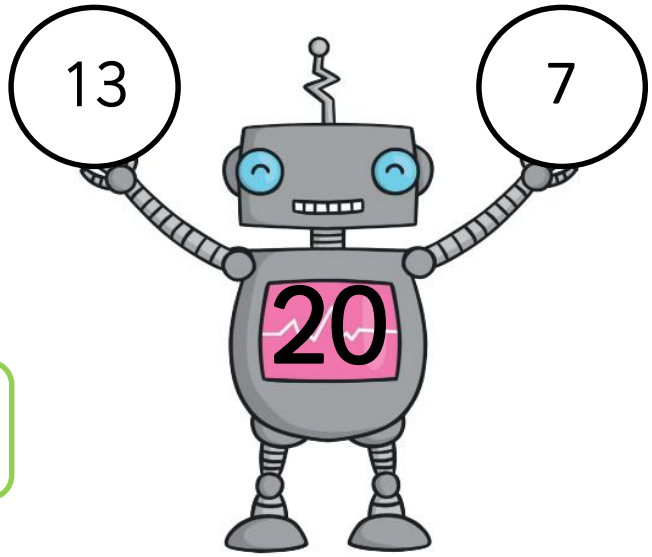
Step 3: write that number on the robots other hand

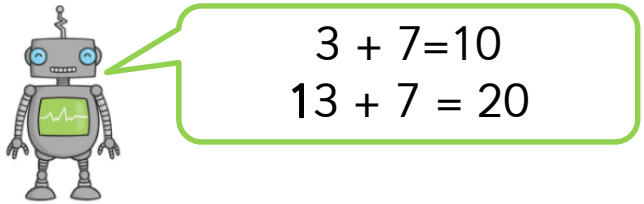
Step 4: use the robot to write the number bond sentence



13 + ? = 20

13 + 7 = 20





Day 5 – Number bonds to 20

We are going to be using a number track to find number bonds to 20!

Step 1: look at the number in the robots hand and find it on the number track

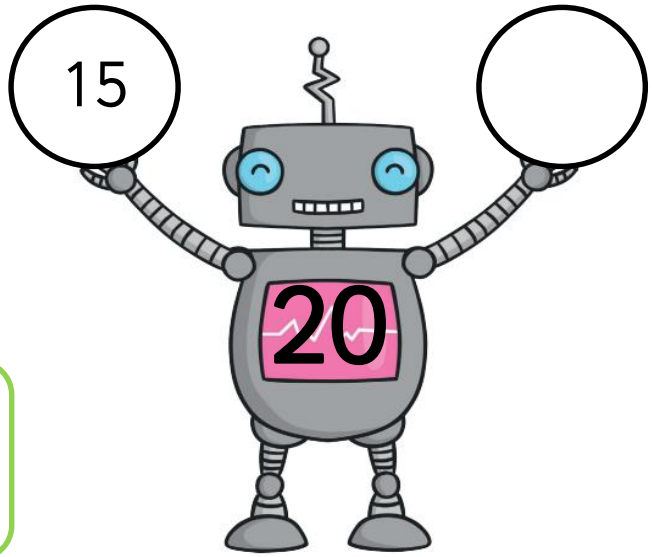
Step 2: count how many jumps it takes you to land on 20

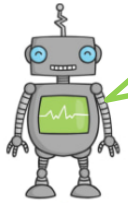
Step 3: write that number on the robots other hand

Step 4: use the robot to write the number bond sentence

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

15 + ? = 20





Have ago, see the next slide for the answer.

Day 5 – Number bonds to 20

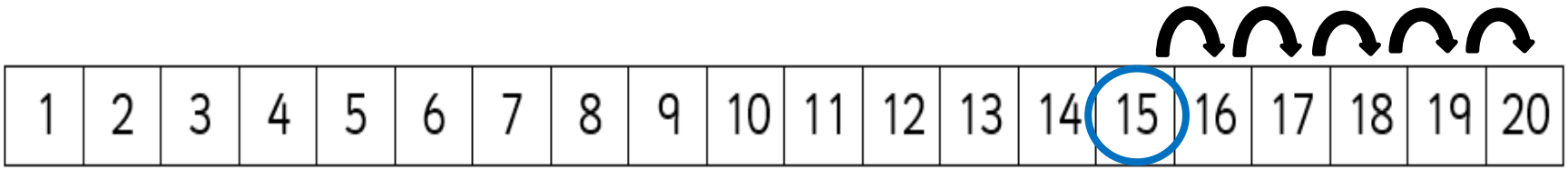
We are going to be using a number track to find number bonds to 20!

Step 1: look at the number in the robots hand and find it on the number track

Step 2: count how many jumps it takes you to land on 20

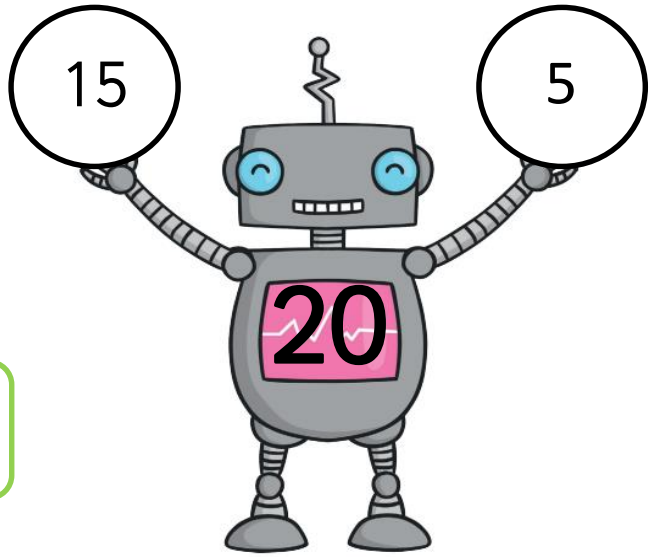
Step 3: write that number on the robots other hand

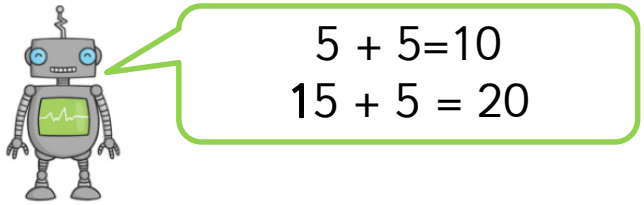
Step 4: use the robot to write the number bond sentence



15 + ? = 20

15 + 5 = 20





Day 5 – Number bonds to 20

We are going to be using a number track to find number bonds to 20!

Step 1: look at the number in the robots hand and find it on the number track

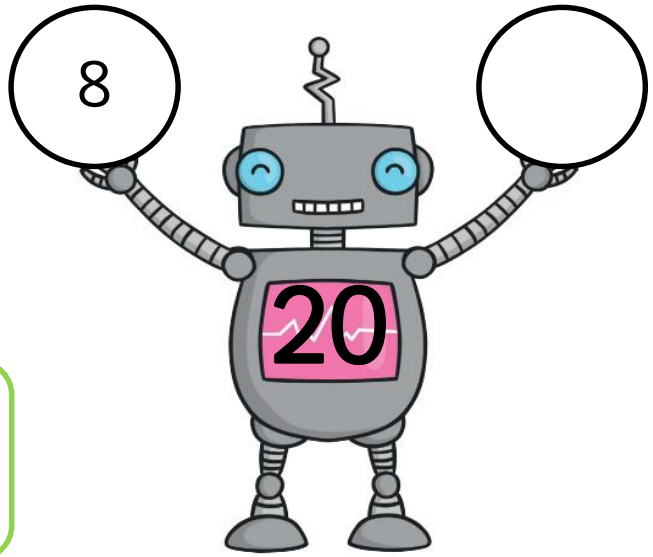
Step 2: count how many jumps it takes you to land on 20

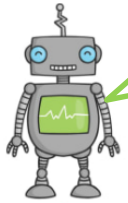
Step 3: write that number on the robots other hand

Step 4: use the robot to write the number bond sentence

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

$8 + ? = 20$





Have ago, see the next slide for the answer.

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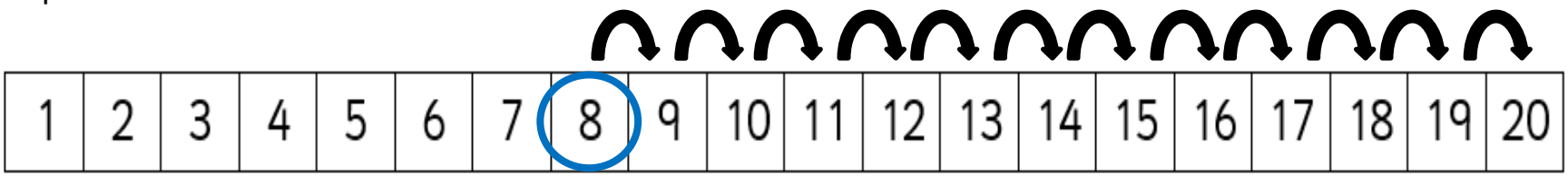
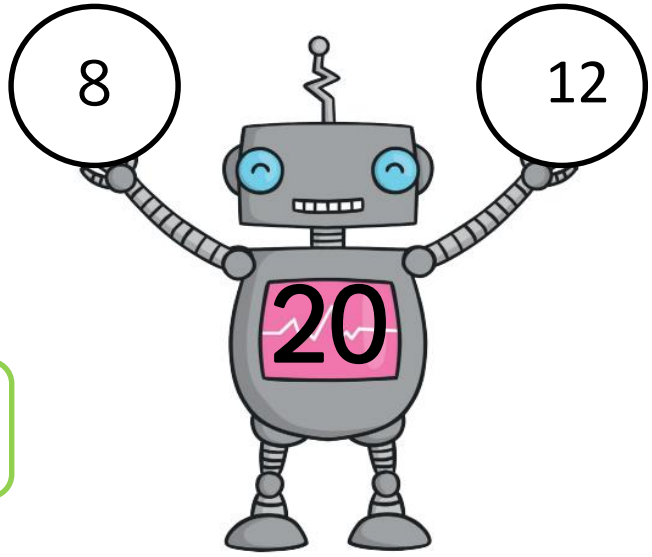
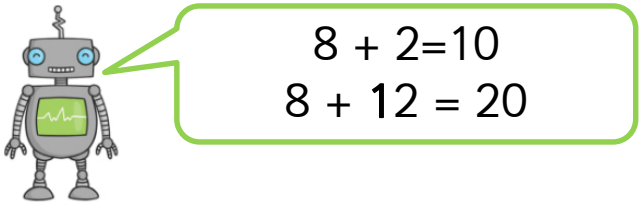


8 + ? = 20

8 + 12 = 20





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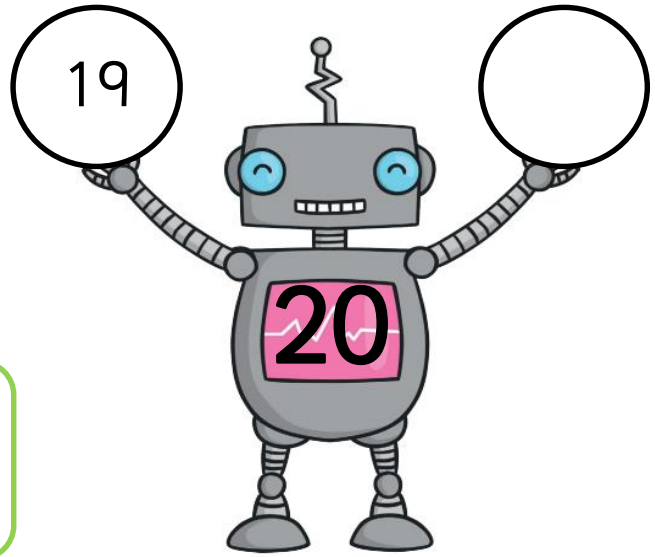
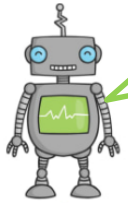
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

19 + ? = 20





Have ago, see the next slide for the answer.

Day 5 – Number bonds to 20

We are going to be using a number track to find number bonds to 20!

Step 1: look at the number in the robots hand and find it on the number track

Step 2: count how many jumps it takes you to land on 20

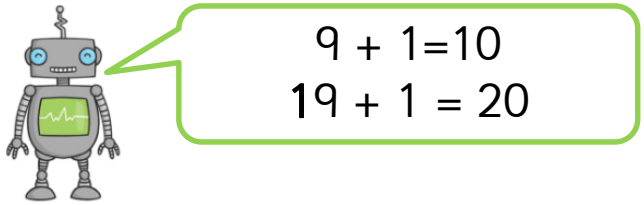
Step 3: write that number on the robots other hand

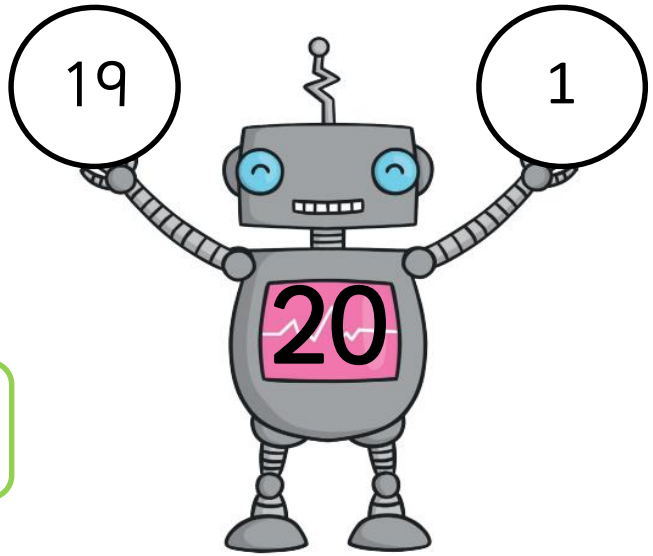
Step 4: use the robot to write the number bond sentence

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

19 + ? = 20

19 + 1 = 20





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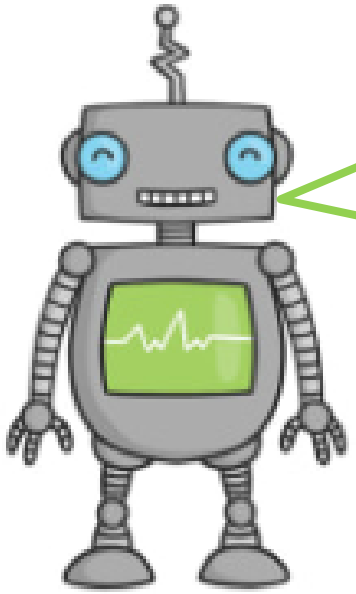

Now it is your go!
Just remember only one of the numbers in the pair should have a **ten.**

Except: 10 + 10 = 20

Write out all your number bonds to 20.

Congratulations on completing another week of Maths !