Year 2 Maths

W/c - 8/6/20

Lesson 1: Addition and subtraction - 1 digit

Lesson 2: Addition and subtraction - 2 digits

Lesson 3: Addition and subtraction word problems

Lesson 4: Addition and subtraction investigations

Lesson 1

Key Learning: to answer addition and subtraction equations

Success criteria:

- I can add and subtract without crossing tens
- I know a suitable method to solve equations

addition subtraction equation

Engage

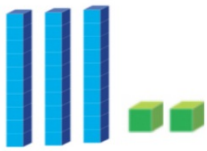
Match the correct answer to the dienes.

Draw the dienes under the equation to help you.

You have...

21 + 7 =

15 + 4 =



25 - 3 =

37 - 5 =

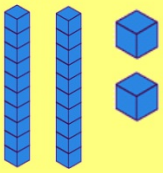
Today we will be adding or subtracting 2 digits and 1 digit numbers...

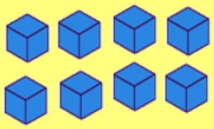
Introduce

22 + 8 =

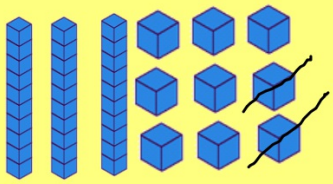
It's a number bond!

If I know... 2 + 8 = 10, then I know...22 + 8 = 30





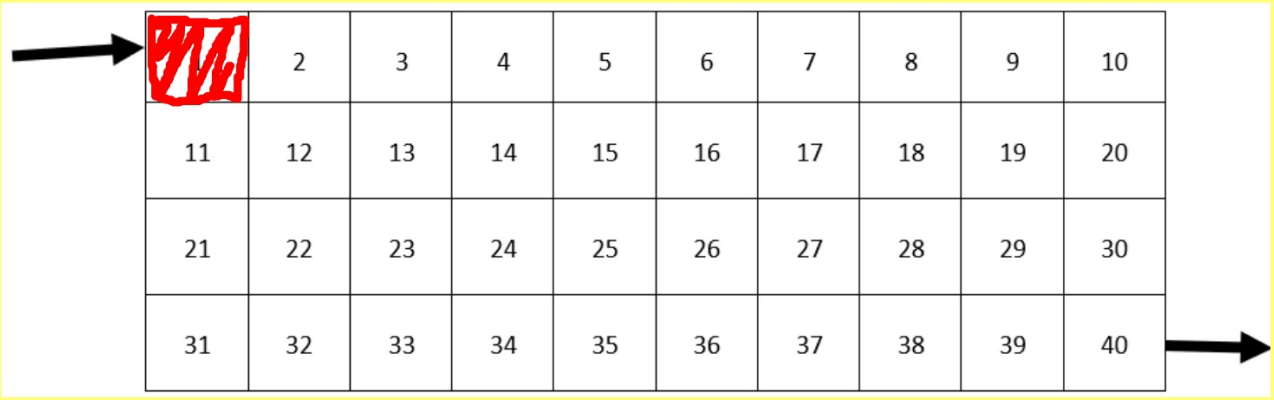
39 - 2 =



If I know... 9 - 2 = 7, then I know... 39 - 2 = 37

Consider and Practise

Find your way through the maze by solving the equations...



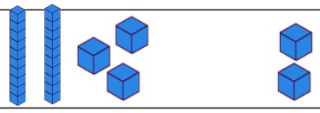
	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40

Colour in the squares as you go.

Reveal for answers...

Solve the equations, draw the dienes...

Independent

Equation Write the answer next to the equation.	Dienes You can draw the dienes in this box to help you.
23 + 2 = 25	
10 – 4 =	
59 – 3 =	
11 + 6 =	
26 + 4 =	
38 – 5 =	
14 + 4 =	

Lesson 2

Key Learning: to answer addition and subtraction equations with two 2 digit numbers

Success criteria:

- I can add and subtract without crossing tens
- I know a suitable method to solve equations

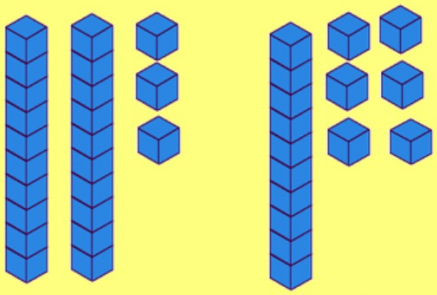
Deepening - I can solve equations crossing tens

addition subtraction equation

Today we will be adding and subtracting two 2 digit numbers...

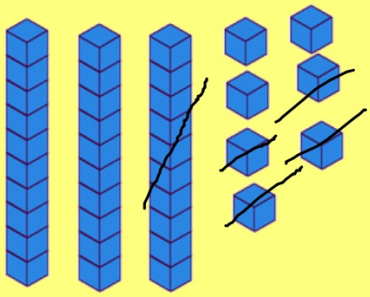
Introduce

23 + 16 =



When we are adding, we add the ones and tens from the two parts.

37 - 14 =



When we are subtracting, we cross out the ones and tens from the whole.

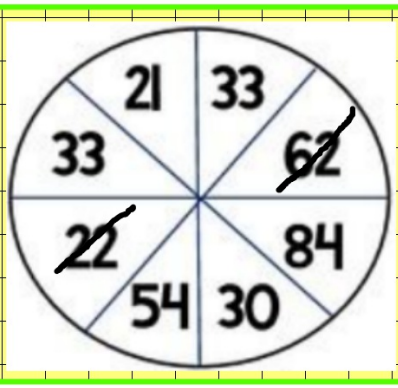
Consider and Practise

Add the opposite numbers on the spinner...

Write them into your book or paper and cross them out as you go...

Example:

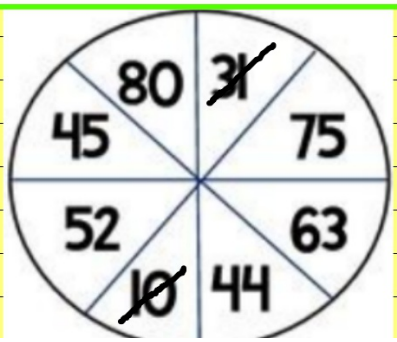
62 + 22 = 64



Subtract the opposite numbers on this spinner...

Example:

31 - 10 = 21



Don't forget: **subtraction** starts with the biggest number!

Crack the code...

Independent

Charlie Bucket needs your help!

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
13	25	37	59	11	17	86	26	35	32	46	78	56	8	3	65	24	83	43	39	71	48	99	6	10	0

Willy Wonka has hidden a coded message inside his chocolate bar. To break the code you need to find the answer to the addition or subtraction and match it to the correct letter.

Question	Your Answer
24 + 15 =	
40 – 14 =	
21 - 10 =	
68 – 25 =	
31 – 20 =	
12 + 25 =	
51 + 32 =	
25 – 14 =	
69 – 30 =	
12 + 23 =	
18 – 10 =	
72 + 14 =	
53 + 30 =	
51 - 40 =	
32 + 27 =	
55 – 20 =	
25 – 14 =	
18 – 10 =	
20 + 19 =	
22 + 13 =	
68 – 25 =	

Question	Your Answer
79 – 14 =	
46 – 11 =	
17 - 11 =	
25 + 10 =	
45 – 34 =	
28 + 31 =	
40 + 31 =	
78 – 35 =	
29 + 10 =	

Deepening

1. 5 + 6 = _____ 15 + 6 = _____ 45 + 6 = _____ 65 + 6 = _____	2. 8 + 3 = _____ 18 + 3 = _____ 38 + 3 = _____ 78 + 3 = _____
3. 6 + 8 = _____ 16 + 8 = _____ 46 + 8 = _____ 96 + 8 = _____	4. 7 + 5 = _____ 17 + 5 = _____ 67 + 5 = _____ 87 + 5 = _____
5. 5 + 9 = _____ 15 + 9 = _____ 55 + 9 = _____ 85 + 9 = _____	6. 6 + 7 = _____ 16 + 7 = _____ 46 + 7 = _____ 76 + 7 = _____

Lesson 3

Key Learning: to solve addition and subtraction word problems

Success criteria:

- I know when to use addition and subtraction in word problems
- I can solve addition and subtraction word problems

Deepening - I can create my own word problems

addition subtraction equation

Today we will be solving addition and subtraction word problems.

Introduce

Charlie found **6 candy apples** and **3 lolly pops** on the candy trees.

How many sweets did he have **altogether?**

I know that **<u>altogether</u>** means addition!

6 + 3 = 9

Charlie has 9 sweets altogether.

Introduce

Augustus **takes away 4** of Charlie's sweets!

How many sweets does Charlie have now?

I know that **take away** means subtraction!

He did have 9.

9 - 4 = 5

Charlie now has **5** sweets.

One step problems...

Consider and Practise

Write the equation on the line below.

Consider and Practise

Charlie counted 15 sweets in the Chocolate Room. He ate 5 of them. How many sweets does he have left?

Model here

Independent

Two step problems...

Charlie finds **15** sweets in the candy garden.

10 are strawberry 

2 are blueberry 

How many sweets are raspberry flavoured? 

Step 1... 10 + 2 = 12 (Part + part)

Step 2... 15 - 12 = 3 (Whole - part)

There are **3** raspberry sweets!

Try these two step problems...

Independent

1. There are 50 Nerds in a box. There are:
- 10 green
- 5 red
- 5 pink
- 10 purple

All the rest are blue. How many blue ones are there?

Deepening

Make your own addition and subtraction word problems for your partner or someone at home to solve!

Example:

The oompa loompas clean up the sweets left behind! There were 34 Fudgemallow Delight wrappers and 26 Chewing Gum Meal Wrappers. How many wrappers did they clean up **altogether**?

Lesson 4

Key Learning: to complete addition and subtraction investigations

Success criteria:

- I can use my addition and subtraction skills to complete investigations

Deepening - I can complete further investigations

addition subtraction equation

How many ways can you find 10?

Engage

Draw lines of 3 numbers that add together to make 10.

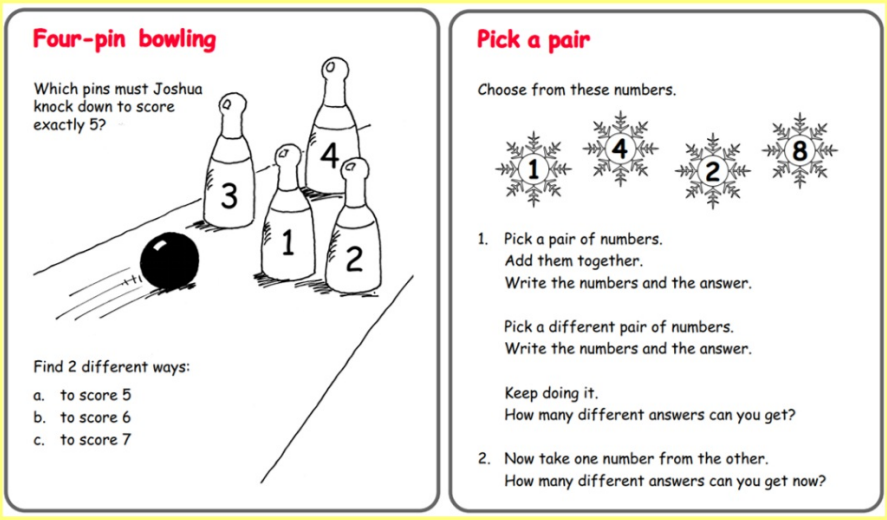
The lines can be horizontal, vertical or diagonal.

7	2	4	5	1
3	5	1	6	3
0	3	7	4	5
4	1	5	0	2
6	2	9	1	3

There are 9 different totals of 10 to find - how many can you spot?

Introduce

Today you are going to complete some addition and subtraction investigations.



Four-pin bowling

Which pins must Joshua knock down to score exactly 5?

Find 2 different ways:

a. to score 5
b. to score 6
c. to score 7

Pick a pair

Choose from these numbers.

1. Pick a pair of numbers.
   Add them together.
   Write the numbers and the answer.

   Pick a different pair of numbers.
   Write the numbers and the answer.

   Keep doing it.
   How many different answers can you get?

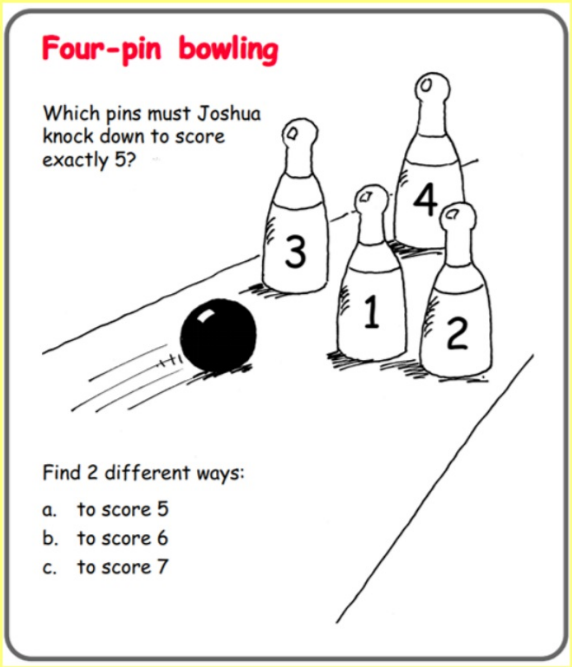
2. Now take one number from the other.
   How many different answers can you get now?

Make sure:

- you read the questions carefully
- you know if you need to add or subtract

Lets try the first one together...

Independent



To score 5:

3 + 2 = 5
1 + 4 = 5

Now it's your turn...

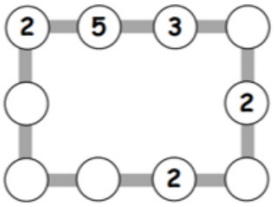
Deepening

CHALLENGE

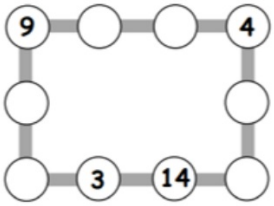
Deepening

Number lines

1. Make each line add up to 16.



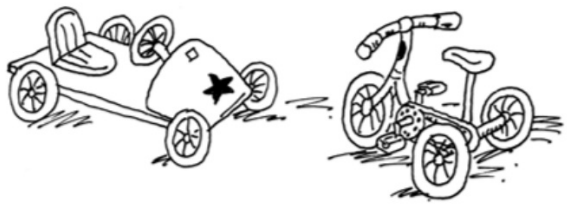
2. Make each line add up to 20.



3. Make up your own puzzle like this.
   Ask a friend to do it.

At the toy shop

The toy shop stocks tricycles and go-carts.
The tricycles have 3 wheels.
The go-carts have 5 wheels.



Suna counted the wheels.
He counted 37 altogether.

How many tricycles are there?
How many go-carts?

Find two ways to do it.