Let's count in 1s to and from 100.

We are going to be learning all about addition of numbers within 100.

Key learning: to add numbers within 100

Success criteria:
I can recognise and find numbers within 100 .
I understand what addition means.
I can insert two numbers from an equation into a PPW model.
I can add these numbers using a method of my choice.

Star words

equals   add   addition   total
parts   plus   altogether   whole

How many of these numbers can you find this morning?

Remember to say a number as you find it.

When you find a number find it and cross it out on the 100's square below.

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

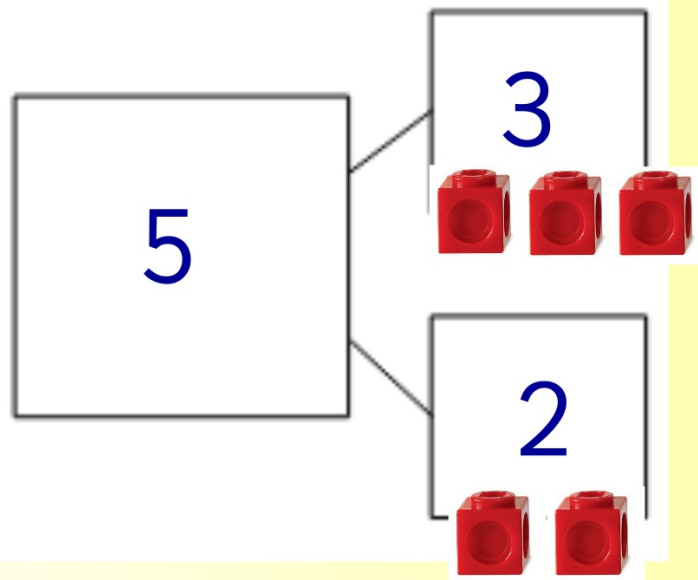Here are some ideas you could look for:

on clocks

house numbers

rulers

toys

Let's Recap

What does adding mean?

5

3

2

Adding is when we take two parts (amounts) and put them together to make a whole.

What are my parts and whole here?

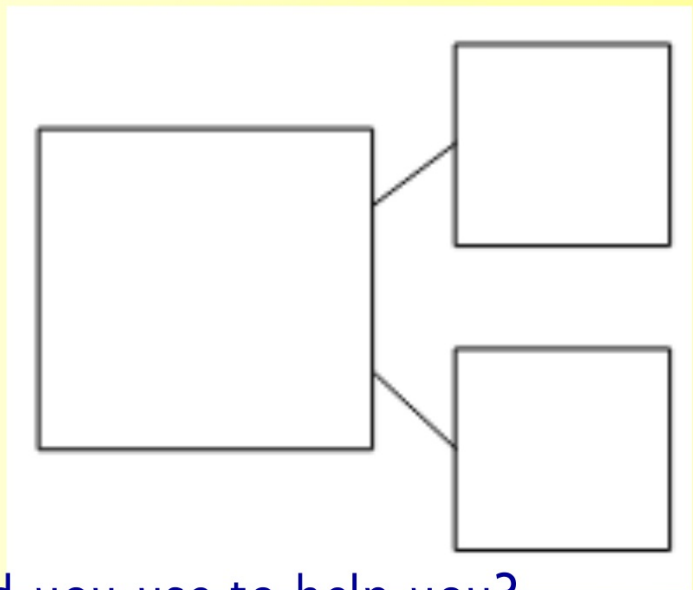My parts are _____ and _____. My whole is _____.

How could you solve these equations?

My parts are _____ and _____. My whole is _____.

Change number to practise more.

22 + 1 =

What resources could you use to help you?

counting on   100 grid   cubes   dienes   drawing tens and ones

Independent task:

Complete the part part whole models for these equations, and use a strategy or resource of your choice to find the answer.
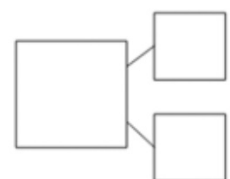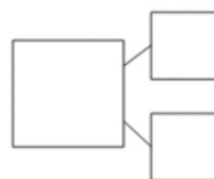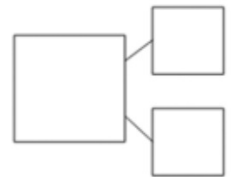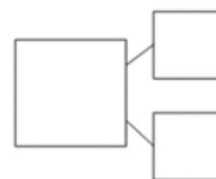
26 + 3 =   72 + 1 =   52 + 4 =
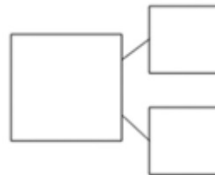
42 + 5 =   67 + 2 =   83 + 6 =
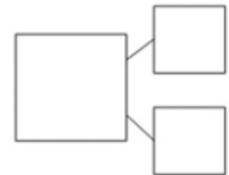
How many equations can you write from this part part whole model?
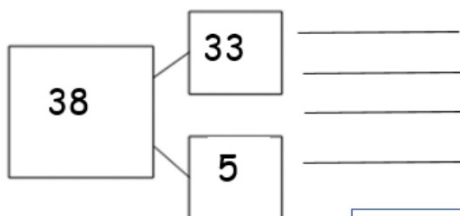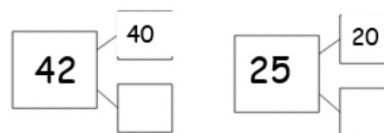
33   _____
38   _____
               _____
5   _____

Can you fill in the gaps in these part part whole models?

42 40
    [ ]

25 20
    [ ]

Can you fill in the gaps in these part part whole models?
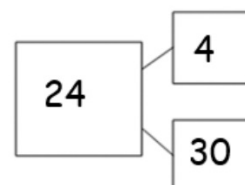
47 43
    [ ]

65 63
    [ ]

88 [ ]
    6
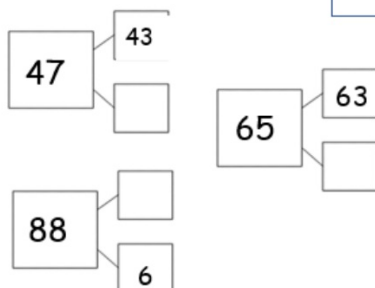
Deepening Task:
addition within 100.

Deepening

What has gone wrong here?

Can you correct it, as we would do at school with a green pen.

24 4
    30

Task 1:
Which number is shown here?

Can you represent the numbers written?

55	29	43

Key learning: to add numbers within 100

Success criteria:

I can represent a number within 100 using dienes.

I understand what addition means.

I can represent two numbers within an addition equation .

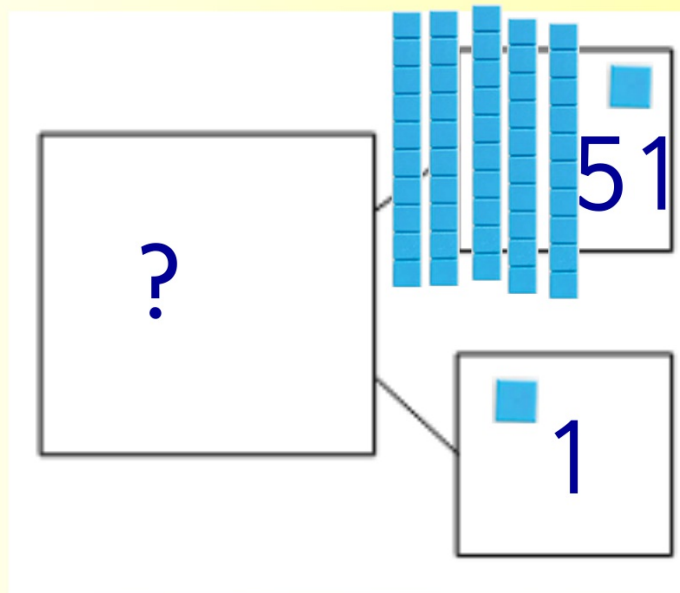I can use these representations to work out an answer to an addition equation

Star words

add   partition

parts   altogether   whole
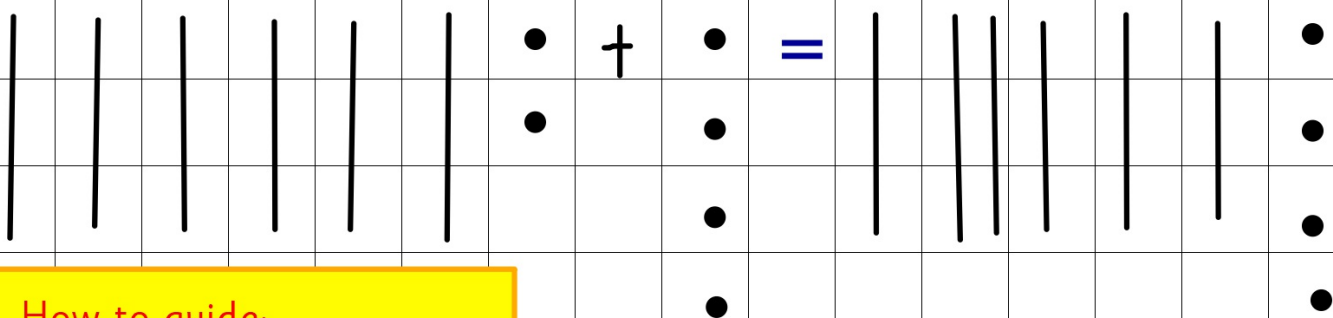
Let's Recap

What does adding mean?

?

51

1

Addition is where we add two parts together to make a whole.

We don't always have practical resources to help us.
We can combine our skills of drawing tens and ones with
adding to help us. Let's look at how we do this.

62 + 4 = 66

How to guide:
1. Write equation
2. Draw 10s and 1s
3. Count and draw 10s
4. Count and draw 1s
5. Count total
6. Write an answer

Let's Practice!

<u>Lets solve this equation together</u>

5 3 + 3 =

Mild

14 + 4 =

12 + 6 =

17 + 2 =

11 + 8 =

Spicy

22 + 5 =

37 + 2 =

41 + 4 =

23 + 1 =

Hot

54 + 5 =

60 + 8 =

72 + 7 =

91 + 5 =

Solve the equations using the drawing method to help.

I start with a number.

I add 5 and my answer is 86.

What was my number?

? ← Answer

How many different ways can you represent the number 75?

Deepening Task:
addition within 100.

Deepening

Centipede eats 65 pieces of peach then he eats 4 doughnuts. How much did he eat altogether?

Write the equation.

Drawing equations of numbers within 100

Task 1:
Which number is shown here?
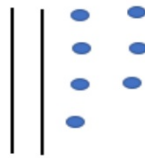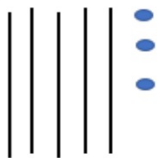
Can you draw the number shown- with sticks and dots?

Remember you need to think about how many tens and ones are in the number

61	23	99

Key learning: to add numbers within 100

Success criteria:
I understand what addition means.
I can draw how many tens and ones in a number.
I can draw the tens and ones for two numbers.
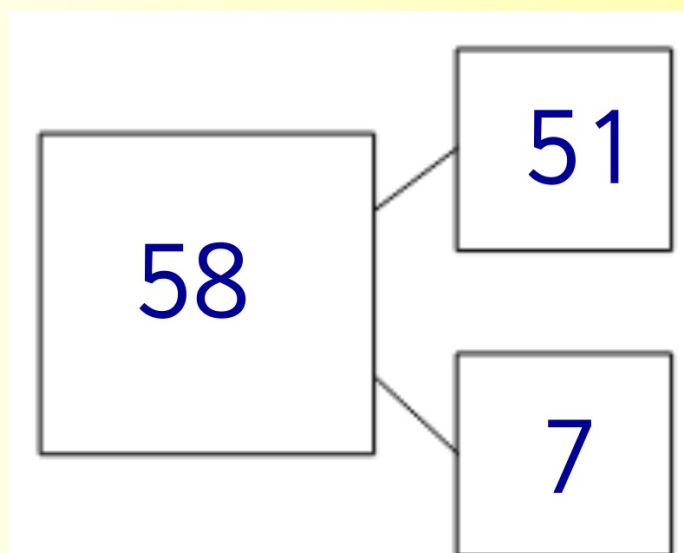I can add the drawn tens and ones to find an answer.

Star words

parts   add   altogether   whole

Let's Recap

What does adding mean?

58

51

7

My parts are _____ and _____. My whole is _____.
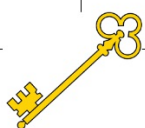
How would you solve this equation?

6 1 + 6 =

Remember
1. Write equation
2. Draw 10s and 1s
3. Count and draw 10s
4. Count and draw 1s
5. Count total
6. Write an answer

Lets solve this equation together

7 3 + 7 =

Let's Practice!

$$5\ 7\ +\ \underline{\hspace{2cm}}\ =\ 5\ 9$$

Missing box is where a part of the equation that is not the answer is missing and you have to find that missing number. Remembering that part + part = whole and using a part part whole model can help you to see what is missing.

In an equation like this you can either count on from the part you know to the answer and the amount you count is the missing number or subtract the part you know from the whole e.g. 59 - 57.

57

59
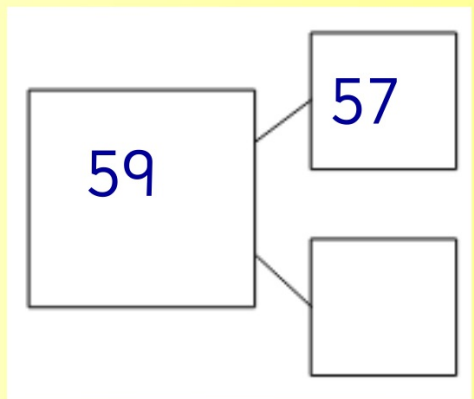
Mild

22 + 5 =

31 + 4 =

47 + 2 =

23 + 3 =

Spicy

51 + 7 =
62 + 6 =
57 + 2 =
72 + 4 =
81 + 3 =
93 + 5 =
74 + 6 =
84 + 4 =

Hot

52 + ___ = 58

63 + ___ = 65

72 + ___ = 76

___ + 7 = 89

___ + 5 = 99

1. Write equation
2. Draw 10s and 1s
3. Count and draw 10s
4. Count and draw 1s
5. Count total
6. Write in answer

Independent task

I start with a number.

? ← Answer

I subtract 7 and my answer is 62.

What was my number?

If I added 5 what would my number be?

Miss Spider counts 54 seagulls flying the peach.

4 Seagulls fly away then 8 arrive to help carry the peach.

How many seagulls are carrying the peach?

Deepening Task:
addition within 100.

Deepening

Show your working.

⚠️ What's wrong with this?
Can you explain what is wrong and correct the error?

Correct the mistake using green pen.

$$72 + 5 = 70$$

Engage
(max 5 mins)

L4

Spot the mistake in these number bonds.

6 + 4 = 10

8 + 3 = 10

10 + 0 = 10

9 + 1 = 20

Key learning: to solve word problems using addition

Success criteria:
I understand what addition means
I can read a word problem.
I can write the equation for the word problem and represent the equations to help me work it out.
I can solve the equation.
I can write the answer.

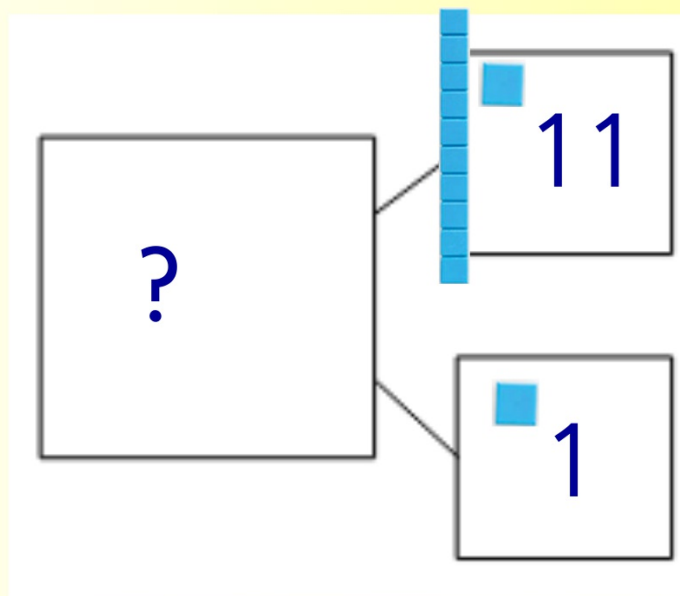Star words

add
altogether
equals
parts
whole

Let's Recap

What does adding mean?

? | 11 | 1

Addition is where we add two parts together to make a whole.
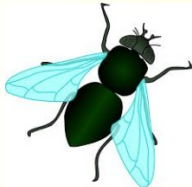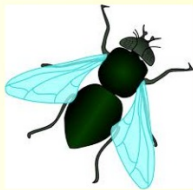
What is a word problem?

Miss Spider eats 4 flies. She catches 3 more. How many has show eaten altogether?

A word problem is solving an equation where we have to find the information out in order to answer it.

To solve word problems we have to look for clues in the words that are used as they do not include the symbols we are used to.
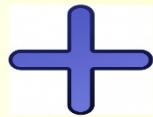
$+$ altogether

Addition words problems often as you to find out how much of something there is altogether.

Can you think of any other words that mean the same as add?

physical action

There were 25 children in the classroom. 5 more came back from lunch. How many children are there altogether?

What type of calculation is this? How do you know?   addition   +

How will I represent it? $25 + 5 = 30$

James catches 23 seagulls to help fly the peach. 6 more come to help. How many seagulls are there altogether?

The aunts had 54 smelly socks. James found 5 more hiding under the stairs. How many smell socks did they have altogether?

Top tip: you can draw the tens and ones to help you solve the equation.

1. Read question
2. Find the key information.
3. Write the equation
4. Solve the equation
5. Write the answer

model

Miss Spider was hungry and caught 72 flies in her web on Tuesday and 5 on Wednesday? How many had she caught altogether?

Centipede has 50 shoes and he went to the shops and got 8 more. How many did he have altogether?

Ladybird had 22 spots on one wing and 7 on the other wing. How many does she have altogether?

James takes 35 bites of the giant peach, the centipede takes 4, how many bits were there altogether?

The aunts had 54 smelly socks. James found 5 more hiding under the stairs. How many smell socks did they have altogether?

22 police came to help the peach in New York. 4 more joined them and then 2 firefighters. How many people were helping altogether?

Aunt Sponge eat 23 biscuits. Aunt Spiker ate 12. How many biscuits were eaten altogether?

James found 62 spots on the ladybird. He then found 24 underneath her wings. How many spots did she have altogether?

1. Read question
2. Find the key information.
3. Write the equation
4. Solve the equation
5. Write the answer