Let's Add and Subtract

Learning Objective:

To be able to use a variety of appropriate methods to solve addition and subtraction problems.

NEXT

ADDITION

What symbols does it have?

What other maths words are related to it?

What does it mean?

Can you draw a picture to represent it?

Can you use this word in a sentence?

Where do you use this in everyday life?

Can you answer each of these questions with a partner?

BACK

NEXT

Now do the same thing with this word web!

What symbols does it have?

Where do you use this in everyday life?

What other maths words are related to it?

SUBTRACTION

Can you use this word in a sentence?

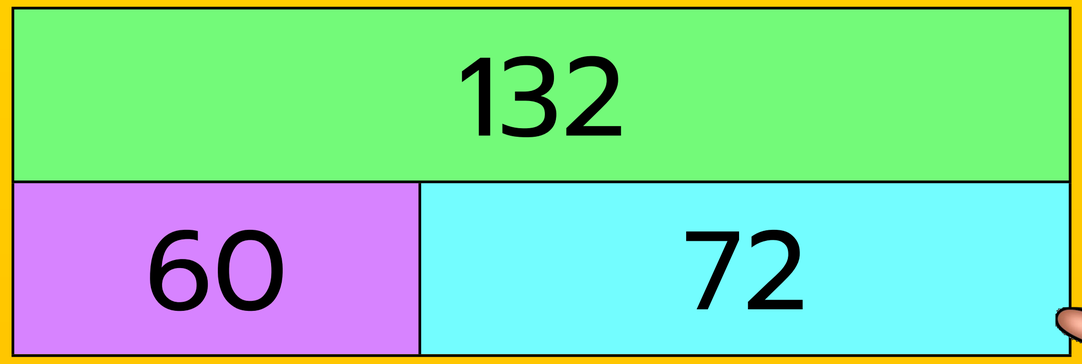
What does it mean?

Can you draw a picture to represent it?

BACK

NEXT

Addition and subtraction are related to each other. Addition is the **inverse** of subtraction, and subtraction is the **inverse** of addition.



Have a look at this bar model. Can you use it to make an addition calculation and a subtraction calculation?

BACK

NEXT

132	
60	72

60 + 72 = 132

132 - 60 = 72

72 + 60 = 132

132 - 72 = 60

Can you explain how addition and subtraction are related to each other?

BACK

NEXT

This is an addition wall. The top brick shows the total of the two bricks directly underneath it.

		101		
	?		46	
24		31		15

Can you work out the value of the missing brick?

BACK

NEXT

The missing brick has a value of 55!

Did you get that right?

Did you do addition or subtraction to solve this? Why?

	101	
55		46
24	31	15

Which method did you use to solve the calculation? Why?

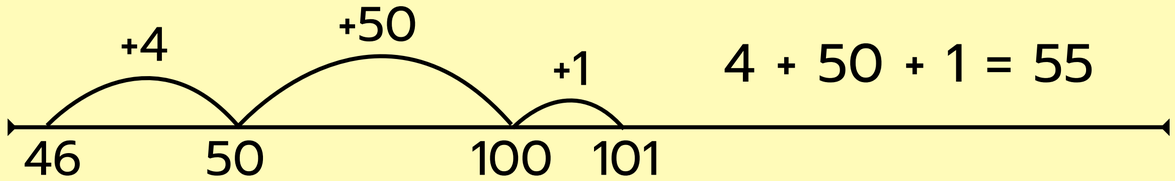
	101	
55		46
24	31	15

101 - 46 = 55

55 + 46 = 101

We could have taken 46 away from 101 to find out the missing value because we knew that 46 plus **something** equalled 101.

I used a number line to count up from 46. What other subtraction methods could you have used?



BACK

NEXT

	101	
	55	46
24	31	15

24 + 31 = 55

We could also have added the two bricks below the missing number together because we knew that the total of these equalled the empty brick.

24 + 31 =

30 1

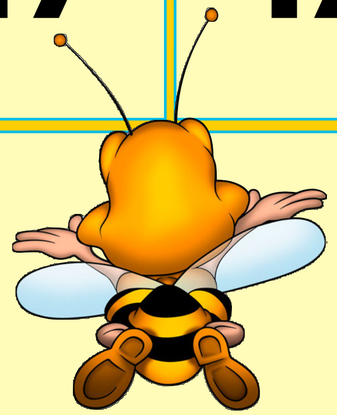
24 + 30 = 54

54 + 1 = 55

I used partitioning to help me add these two numbers together mentally. What other addition methods could you have used?

BACK

NEXT

	324	
147		177
85		115

What is the missing number?

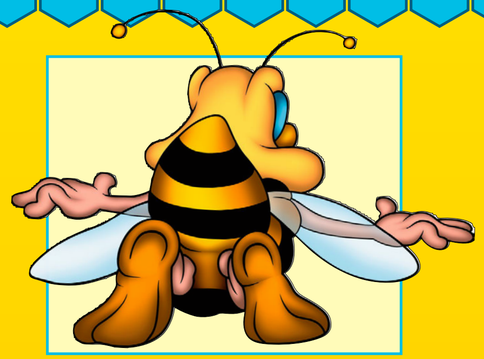
Did you get that right?

	324	
147		177
85	62	115

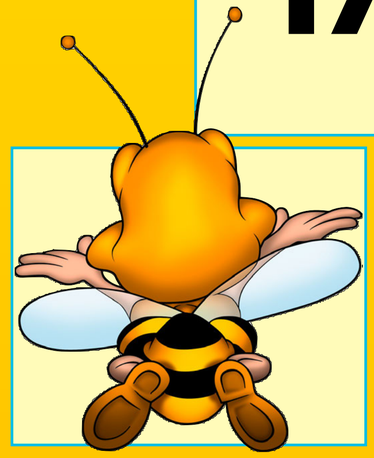
How did you work it out? What operation did you use? What method did you use?

BACK

NEXT



172	277



119	158

What are the missing numbers?

BACK

NEXT

449

172 277

53 119 158

Did you get those right?

How did you work them out? What operations did you use? What methods did you use?

BACK

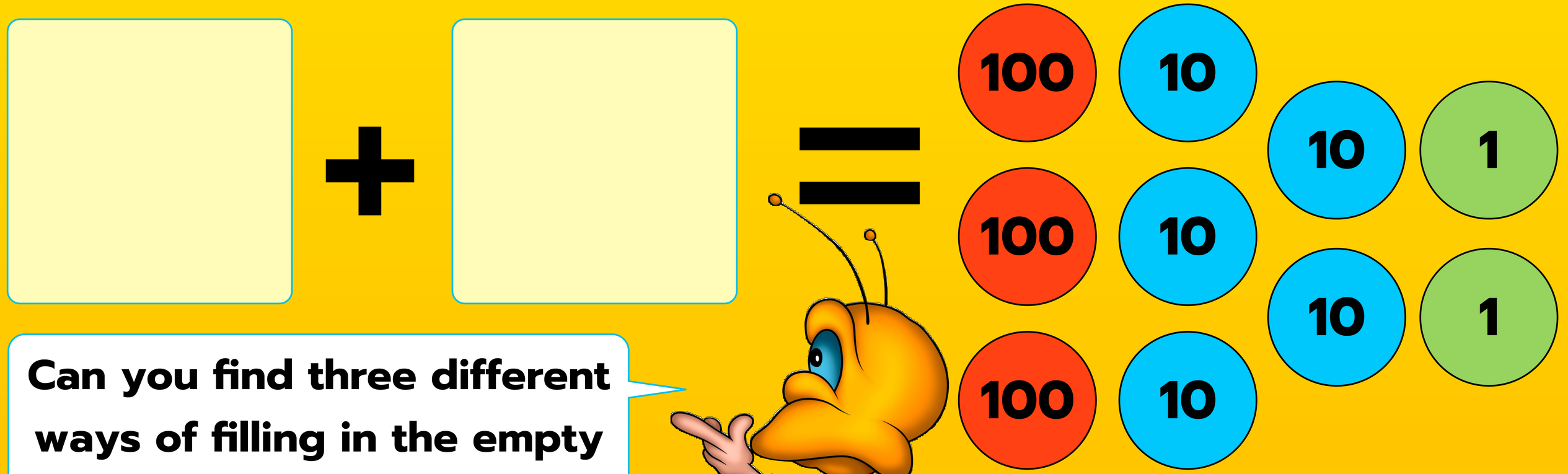
NEXT

Who's ready
to go and solve some
addition and subtraction
problems
independently?

BACK

NEXT

Plenary: The answer to this addition problem has been represented using place value counters:



Can you find three different ways of filling in the empty boxes to make this calculation correct?

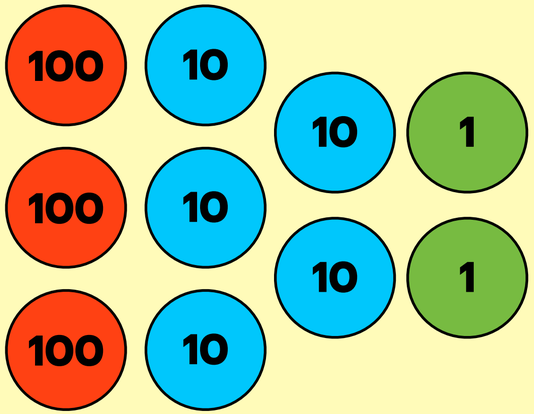
BACK

NEXT

What different calculations did you find?

How did you work them out?

\+ =



352