Use known facts

What's the same and what's different?

6+4=

60 + 40 =

66 + 4 =

666 + 4 =

600 + 400 =

Known facts and place value

282 + 7

I know that 2 + 7 = 9

So 282 + 7 = 289

Adjust

234 + 99 - add 100 then

subtract 1

367 – 39 – subtract 40 then

add 1

Estimate

141 + 58 is approximately

140 + 60

Representations to support addition and subtraction

These structures show the relationship between addition and subtraction.



Fluency

Add three numbers to total 247

__+__+ = 247

Now find a different three numbers

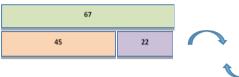
Year 3

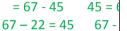
Addition and Subtraction

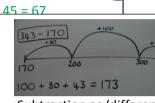
Money Problems

Shivam buys 2 pencils that cost 29p each. How much change will he get from £1?

Understand the inverse relationship between addition and subtraction.







Subtraction as 'differen

Carl says 'If I add two numbers together I can check my answer by taking them away afterwards. So to check 123 + 14, I can do 14 -123. 'Is he right? Explain your answer.

Know pairs of numbers that total 100 and derived subtraction facts

Use the correct vocabulary

plus, add, total, increase, amount, sum, addition minus subtract take away less

diff Investigate - True or False?

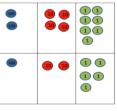
2 odd numbers add up to make an even number.

3 odd numbers add up to make an even number.

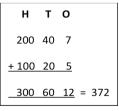
ate Investigate

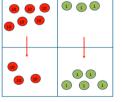
bar How many different rectangles can Fin you draw with a perimeter of 20cm?

We can use equipment to find the total of 2 numbers. This supports the conceptual understanding before moving to formal methods.



leading to





90 8 - 30 5 60 3

Equipment can also support subtraction.