

Addition and Subtraction

# Need a coherently planned sequence of lessons to complement this resource?



# Add Two 2-Digit Numbers, Crossing Ten

#### Aim

• To add two 2-digit numbers by adding the ones (crossing 10) and the tens.

#### Success Criteria

- I can use place value grids to add two 2-digit numbers, crossing ten.
- I can use part-whole models to add two 2-digit numbers, crossing ten.



Can you match the numbers with the groups of place value counters?





123

Now the tens and ones have their own columns. Is it easier to match them with the numbers?





Can you use tens and ones to complete the part-whole models?





Can you complete the part-whole models?



Partitioning numbers into tens and ones will help us with today's challenges.







Anna used a place value grid to find the total.





Felix used part-whole models to find the total.







Anna used a place value grid to find the total.





Felix used part-whole models to find the total.





Use place value columns or part-whole models to find the total.





Anna used a place value grid to find the total.





Felix used part-whole models to find the total.



### **High Score Activity**



#### Diving into Mastery

#### Dive in by completing your own activity!

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## **Check It**



Use place value columns or part-whole models to find the total.

**High Score** 

73

These both make the same total

37 + 36 =

49 + 24 =

Do you agree?

Use place value grids or part-whole models to prove it.

#### Aim

• I can add and subtract a multiple of 10 to and from any 2-digit number.

#### Success Criteria

- I can use place value grids to add two 2-digit numbers, crossing ten.
- I can use part-whole models to add two 2-digit numbers, crossing ten.

