## Addition and Subtraction

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



See our Addition and Subtraction Steps to Progression document.

Twinkl Planlt is our award-winning scheme of work with over 4000 resources.

## Add Two 2-Digit Numberso

 Not Crossing 10

## Aim

- To add two 2-digit numbers by adding the ones (not crossing 10) and the tens.


## Success Criteria

- I can add ones not crossing ten.
- I can use number facts to add two 2-digit numbers.
- I can use a number line to add two 2-digit numbers.


## Remember It



The team have played a lot of games. They have put their scores on cards. They need exactly 20 points to win the competition.

In your class teams, take turns to pick a card until each team has 2 cards. Add the numbers on the 2 cards. The team with the closest value to 20 wins a point.

Play the game again. Now you know where some of the cards are, can you get closer? Can you use your turn to block the other teams?

## Remember It



## How Would You Add?

I scored these points. Can you help me find the total?

Put the number with the greatest value in your head so there are


Which number would you put first in a calculation?

$$
?+?=19
$$

Can you explain why?
fewer steps to count on.


## How Would You Add?

I scored these points. Can you help me find the total?

Put the number with the greatest value in your head so there are fewer steps to count on.


Which number would you put first in a calculation?


Can you explain why?

## Scoring Points

Amia throws two beanbags which land in different hoops. She scores the highest possible score.


## Scoring Points

## $43+31=74$

Amia uses an empty number line to work out her score.


## Scoring Points

Ben and Phil can check Amia's total by using number facts that they know.


## Scoring Points

Ben throws two beanbags into different hoops and scores the lowest possible score.

What did he score?


## Scoring Points

 31 + 24 = 55Ben uses an empty number line to find his score.

I need to add 24 and 31.

Start with the greatest number. Count on in tens then ones.


## Scoring Points

Amia and Phil can check Ben's total by using number facts that they know.


$$
32+24=56
$$

Let's put the tens and the ones together.

I'll add the ones.


## Scoring Points

Phil's score is the closest score to 70.

What did he score?


What will you do to check your answer?

## Scoring Points

## $43+24=67$



## Scoring Points Activity

## $\begin{array}{ll}\square & n \\ & \sim\end{array}$

## Scoring Points

## To add two 2-digit numbers by adding the ones (not crossing 10) and the tens.



Each friend threw 2 beanbags into the hoops. What are their scores? Use number facts or number lines to help you.


How many different scores could you make by throwing 2 beanbags into different hoops?


icoring Points
adding the ones (not crossing 10) and the tens.
bags into 2 different hoops. They each got different where there beanbags landed? Use number facts or

t scores could you make by throwing 2 beanbags in different der the totals from the lowest to the highest total?

es could you make by throwing 2 beanbags in the e totals from the highest to the lowest value?


## Diving into Mastery

Dive in by completing your own activity!


## One Hundred Square

Try adding 2-digit numbers using the 100 square.

Click the numbers to highlight which ones you are adding.

What do you notice?

## Reset grid

| 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 |

## Aim

- To add two 2-digit numbers by adding the ones (not crossing 10) and the tens.


## Success Criteria

- I can add ones not crossing ten.
- I can use number facts to add two 2-digit numbers.
- I can use a number line to add two 2-digit numbers.


