

# Addition and Subtraction

## Key Vocabulary

calculation  
 exchange  
 method  
 multiple  
 one(s)  
 tens(s)  
 hundred(s)  
 operation  
 partition  
 related facts  
 value  
 increase  
 decrease  
 sum  
 column addition  
 column subtraction  
 digit  
 estimate  
 exchange  
 inverse  
 crossing the 10  
 crossing the 100

## Addition and Subtraction Methods

### 3 digit and 1 digit numbers

Not crossing 10s

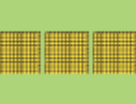
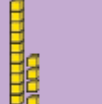
$$268 - 4 = 264$$

| Hundred                                                                           | Ten                                                                               | Ones                                                                              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|  |  |  |

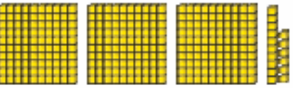
$$343 + 6 = 349$$



Crossing 10s (Exchanging)

| 324                                                                                 |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 300                                                                                 | 20                                                                                  | 4                                                                                   |
| 300                                                                                 | 10                                                                                  | 14                                                                                  |
|  |  |  |

$$316 + 8 = 324$$

| 316                                                                                 | 8                                                                                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |

$$324 - 8 = 316$$

### 3-digit and 2-digit numbers

Add and subtract tens

| Hundred                                                                             | Ten                                                                                 | Ones                                                                                |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |

$$451 + 3 \text{ tens} = 481 \quad (5 + 3 = 8)$$

$$451 - 4 \text{ tens} = 411 \quad (5 - 4 = 1)$$

Crossing 10s (Exchanging)

$$258 + 80 = 338$$

- Column method
- Count in 10s mentally
- Add 100, subtract 20

Crossing 10 and 100

$$\begin{array}{r} 368 \\ +73 \\ \hline 1 \end{array}$$

$$\begin{array}{r} 31 \\ 441 \\ -73 \\ \hline 8 \end{array}$$

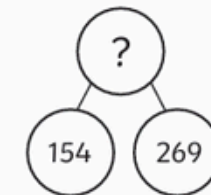
### 3-digit numbers

Not crossing

$$679 - 351 = 328$$

| Hundred                                                                             | Ten                                                                                 | Ones                                                                                |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |

Crossing 10s (Exchanging)



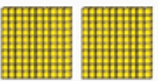
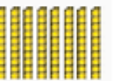
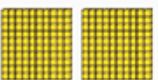
$$\begin{array}{r} 269 \\ +154 \\ \hline 423 \\ 11 \end{array}$$

|     |   |
|-----|---|
| 514 |   |
| 268 | ? |

$$\begin{array}{r} 4101 \\ \cancel{5}14 \\ -268 \\ \hline 246 \end{array}$$

### Add and Subtract 100s

$$284 + 300 = 584$$

| Hundred                                                                               | Ten                                                                                   | Ones                                                                                  |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |
|  |                                                                                       |                                                                                       |

# Addition and Subtraction

## Number Bonds to 10

$1 + 9 = 10$

$3 + 7 = 10$

$5 + 5 = 10$

$7 + 3 = 10$

$9 + 1 = 10$

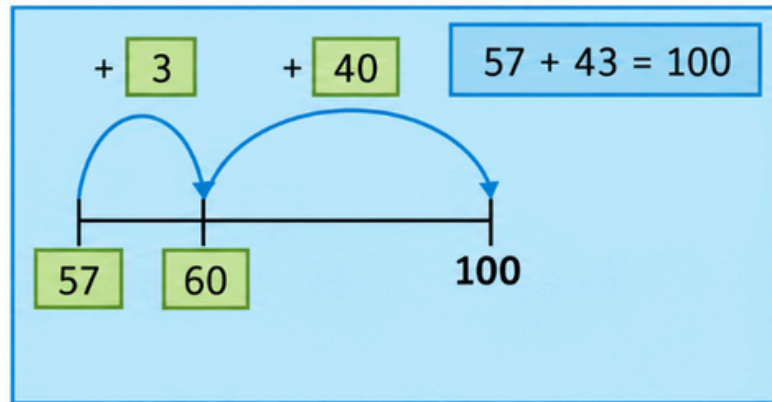
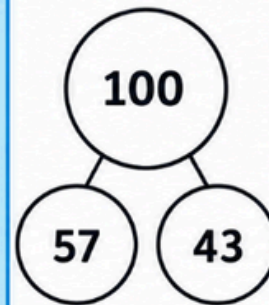
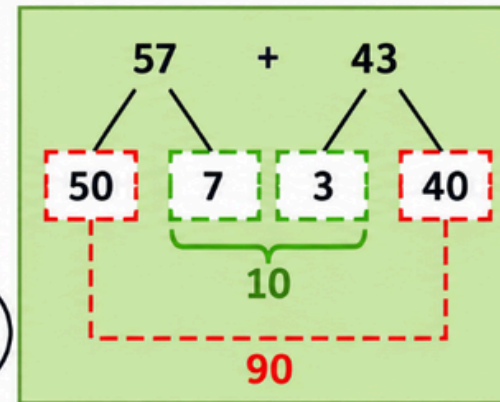
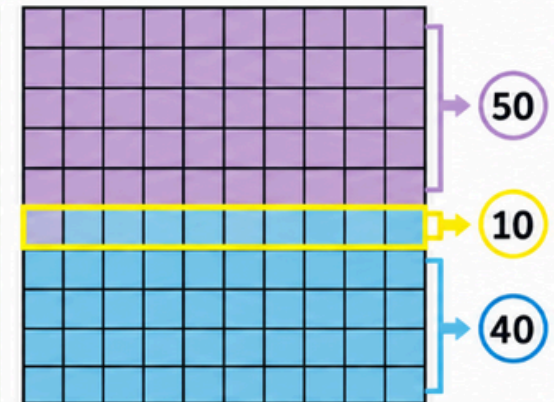
$2 + 8 = 10$

$4 + 6 = 10$

$6 + 4 = 10$

$8 + 2 = 10$

## Complements to 100



## What careers might this help with?

### accounts assistant



They help record what money is coming in and going out, such as invoices and receipts. They might check that payments have been made, help prepare bills to send to customers, and keep files organised. They often use a computer and spreadsheets, and they make sure the numbers are correct so the business knows what it can afford.

### warehouse supervisor



Someone who helps run a warehouse and makes sure everything is organised and working safely. They look after the team, give out jobs, and check that goods are picked, packed, and sent out correctly. They make sure deliveries are stored in the right place, keep track of stock, and solve problems if something is missing or damaged. They also help everyone follow safety rules and use equipment properly.

### events assistant



An events assistant is someone who helps plan and run events so everything goes smoothly. They help set up rooms, organise equipment and materials, and make sure guests know where to go. They might help with sending invitations, checking lists, putting up signs, and supporting during the event with jobs like greeting people or sorting refreshments. They work with a team and solve small problems quickly to help the event run well.