



# Maths

# Addition and Subtraction y3

## Skills

- Add and subtract multiples of 100
- Add and subtract 3-digit and 1-digit numbers – not crossing 10
- Add 3-digit and 1-digit numbers – crossing 10
- Subtract a 1-digit number from a 2-digit number – crossing 10
- Add and subtract 3-digit and 2-digit numbers – not crossing 100
- Add 3-digit and 2-digit numbers – crossing 100
- Subtract a 2-digit number from a 3-digit number – crossing 100
- Add and subtract 100s
- Add and subtract 2-digit and 3-digit numbers – not crossing 100 or 100
- Add 2-digit and 3-digit numbers – crossing 10 or 100
- Subtract a 2-digit number from a 3-digit number – crossing 10 or 100
- Add two 3-digit numbers – not crossing 10 or 100
- Add two 3-digit numbers – crossing 10 or 100
- Subtract a 3-digit number from a 3-digit number – no exchange
- Subtract a 3-digit number from a 3-digit number – exchange
- Estimate answers to calculations
- Check

## Addition Methods

Method 1  
Partition and recombine the numbers

$$134 + 52 =$$

$$2 + 4 = 6$$

$$30 + 50 = 80$$

$$100 + 0 = 100$$

$$100 + 80 + 6 = 186$$

Method 2  
Long column addition

$$\begin{array}{r} 625 \\ + 48 \\ \hline 673 \end{array}$$

(5 + 8)  
(20 + 40)  
(600 + 0)

Method 3  
Column addition

$$\begin{array}{r} 317 \\ + 46 \\ \hline 363 \\ 1 \end{array}$$

Method 1  
Partition and recombine the numbers

$$287 - 52 =$$

$$7 - 2 = 5$$

$$80 - 50 = 30$$

$$200 - 0 = 200$$

$$200 + 30 + 5 = 235$$

Method 2  
Long column subtraction

$$\begin{array}{r} 511 \\ - 48 \\ \hline 463 \end{array}$$

(15 - 8)  
(110 - 40)  
(500 - 0)

Method 3  
Column subtraction

$$\begin{array}{r} 315 \\ - 72 \\ \hline 243 \end{array}$$

## Subtraction methods

## Estimate

To estimate the answer to calculations, we use near numbers. This can be either the nearest hundred or the nearest 10.

$$782 - 521 =$$

$$800 - 500 = 300$$

$$782 - 521 =$$

$$780 - 520 = 260$$

$$253 + 649 =$$

$$300 + 600 = 800$$

$$253 + 649 =$$

$$250 + 650 = 900$$

## Checking answers

To check our answers, we can use the inverse operation.

$$154 + 625 = 779$$

Check using  
779 - 625 = 154  
779 - 154 = 625  
625 + 154 = 779

$$736 - 321 = 415$$

Check using  
415 + 321 = 736  
321 + 415 = 736  
736 - 415 = 321

## Inspirational Mathematician

### Carol Vorderman (1960 – present)

Carol Vorderman (MBE) is a Welsh media personality, best known for co-hosting the game show *Countdown* for 26 years from 1982 until 2008, and as the author of various educational maths books. She is well known for being able to solve various mathematical problems at an astonishing speed! She now has her own online maths school which helped to tutor children during the Coronavirus pandemic.



## Vocabulary

Add, total, plus, sum, more, altogether, difference, subtract, less, minus, take away, column addition, exchange, estimate, inverse operation, solve problems, number facts, column subtraction