



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 3-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 10 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 3 Column addition

	3	1	7
+		4	6
	3	6	3
			1

Method 2 Long column addition

6	2	5	
+	4	8	
	1	3	(5 + 8)
	6	0	(20 + 40)
	6	0	(600 + 0)
	6	7	3

Method 1 Partition and recombine the numbers

$$287 - 52 =$$

$$7 - 2 = 5$$

$$80 - 50 = 30$$

$$200 - 0 = 200$$

$$200 + 30 + 5 = 235$$

Method 3 Column subtraction

	3	1	3	4
-			7	2
	3	6	2	

Method 2 Long column subtraction

5	1		
2	8	7	
-	4	8	
	7	0	(15 - 8)
	7	0	(110 - 40)
	5	0	(500 - 0)
	5	7	7

Subtraction methods

Estimate

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

$$782 - 521 =$$

$$800 - 500 = 300$$

$$782 - 521 =$$

$$780 - 520 = 260$$

$$253 + 649 =$$

$$300 + 600 = 900$$

$$253 + 649 =$$

$$250 + 650 = 900$$

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.



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

$$415 + 321 = 736$$

$$321 + 415 = 736$$

$$736 - 415 = 321$$

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