



Maths

Primary Progression – Addition & Subtraction



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Addition & Subtraction: Calculations	<ul style="list-style-type: none"> add and subtract one-digit and two-digit numbers to 20, including zero <p>Autumn 2 Spring 1</p>	<ul style="list-style-type: none"> add and subtract numbers using concrete objects, pictorial representations, and mentally, including: <ul style="list-style-type: none"> a two-digit number and ones a two-digit number and tens two two-digit numbers adding three one-digit numbers <p>Autumn 2</p>	<ul style="list-style-type: none"> add and subtract numbers mentally, including: <ul style="list-style-type: none"> a three-digit number and ones a three-digit number and tens a three-digit number and hundreds add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction <p>Autumn 2</p>	<ul style="list-style-type: none"> add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate <p>Autumn 2</p>	<ul style="list-style-type: none"> add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) add and subtract numbers mentally with increasingly large numbers <p>Autumn 2</p>	<ul style="list-style-type: none"> perform mental calculations, including with mixed operations and large numbers use their knowledge of the order of operations to carry out calculations involving the four operations <p>Autumn 2</p>

Curriculum Progression Strand: to be able to subtract

Foundation stage:

Children can begin to subtract 1 or 2 objects from numbers up to 10.



Key Vocabulary
less than


y1:


Children can subtract within 10.


How many left? (2)

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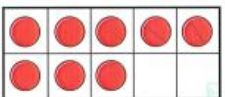
1 Match the counters to the number sentences.

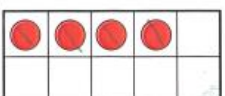

 $9 - 4 = 5$


 $5 - 3 = 2$


 $5 - 2 = 3$

2 Cross out the counters to show the subtraction.

a)  $8 - 2 = 6$

b)  $4 - 4 = 0$

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3 There are 10 cars in a car park.



4 cars leave.

How many cars are left in the car park?

$$\boxed{10} - \boxed{4} = \boxed{6}$$

4 Ann and Tom have 9 strawberries in total.



Ann eats 2 strawberries and Tom eats 1 strawberry.

How many strawberries do they have left?

$\boxed{6}$

5 Complete the subtractions.

a) $4 - 3 = \boxed{1}$

c) $5 - 3 = \boxed{2}$

b) $\boxed{3} = 7 - 4$

d) $\boxed{5} = 6 - 1$

Key Vocabulary
less than, count back

y2:

Children can use different methods to subtract 2 two-digit numbers.

Subtract 2-digit numbers (1)

1 Complete the sentences to describe each step of the subtraction.

First the number is 38 .

Then 25 is crossed out.

Now the number is 13 .

$38 - 25 = 13$

2 Draw base 10 to represent the number 35

Now cross out 12
What number is left?

$35 - 12 = 23$

3 Use base 10 to complete the subtractions.

a) $7 - 2 = 5$ e) $48 - 11 = 37$
 b) $30 - 10 = 20$ f) $27 - 16 = 11$
 c) $37 - 12 = 25$ g) $63 - 61 = 2$
 d) $47 - 12 = 35$ h) $45 - 33 = 12$

4 Jack is working out $47 - 15$

Now talk about Jack's method with a partner.
Use Jack's method to complete the calculations.

a) $47 - 16 = 31$ c) $37 - 15 = 22$
 b) $36 - 22 = 14$ d) $57 - 31 = 26$

5 Complete the subtractions.

a)

	T	O
	5	2
-	1	1
	4	1

b)

	T	O
	1	5
-	1	2
	0	3

c)

	T	O
	8	7
-	3	4
	5	3

d)

	T	O
	6	3
-	5	2
	1	1

6 Rosie has 25 balloons.

Scott has 11 fewer balloons than Rosie.
How many balloons does Scott have?

$25 - 11 = 14$

How many balloons do they have altogether?

$25 + 11 = 36$

Key Vocabulary

less than, count back, subtract, take away

Y3:

Children can use column subtraction to subtract numbers up to three digits.

Take away 189 from 237.

$$\begin{array}{r} 2 \quad 3 \quad 7 \\ - 1 \quad 8 \quad 9 \\ \hline \\ \hline \end{array}$$

What is 292 subtract 145?

hundreds	tens	ones
100 100	10 10 10 10 10	1 1 1 1 1 1 1
2	5	2
- 1	4	5
<hr/>		
7		

Key Vocabulary
less than, count back, subtract, take away, exchange

Azeeb has £556. He buys a games console for £341. How much money does Azeeb have left?
Include the £ sign in your answer.

$$\begin{array}{r} \\ - \\ \hline \\ \hline \end{array}$$

Y4:

Children can use column subtraction to subtract four-digit numbers.

The first screenshot shows a subtraction problem: $71239 - 5486$. The digits are arranged in columns with place value labels above them: 7 (thousands), 1 (hundreds), 2 (tens), 3 (ones), and 9 (ones). The second screenshot shows a similar problem: $8531 - 449$. The digits are arranged in columns with place value labels: 8 (thousands), 5 (hundreds), 3 (tens), 1 (ones), and 9 (ones). The third screenshot shows a table titled "Distance from London" with two columns: "city" and "distance (km)".

city	distance (km)
Moscow	2,885
Tokyo	9,412

Key Vocabulary
less than, count back, subtract, take away, exchange, difference

y5:

Children can use column subtraction to subtract numbers with more than four digits.

The image displays three screenshots from a math application. The first screenshot, labeled 'Question 8', shows the problem 'Subtract 31,194 from 73,405'. The second screenshot, labeled 'Question 10', shows the problem 'What is 49,734 - 13,424?'. The third screenshot, labeled 'Question 18', shows a word problem: 'MegaBeanz has 92,745 tins of beans in stock. It delivers 4,317 tins to different stores. How many tins of beans does MegaBeanz have left?'. Each screenshot includes a digital workspace with a grid of colored dots and a toolbar with icons for erasing, drawing, and text entry.

Question 8: Subtract 31,194 from 73,405.

$$\begin{array}{r} 73\overset{3}{4}\overset{1}{0}5 \\ - 31194 \\ \hline \\ \hline \end{array}$$

Question 10: What is 49,734 - 13,424?

$$\begin{array}{r} 49734 \\ - 13424 \\ \hline \\ \hline \end{array}$$

Question 18: MegaBeanz has 92,745 tins of beans in stock. It delivers 4,317 tins to different stores. How many tins of beans does MegaBeanz have left?

$$\begin{array}{r} 92,745 \\ \text{---} \\ \text{?} \end{array}$$

remaining stock tins delivered

Key Vocabulary
*less than, count back, subtract,
take away, exchange,
difference, value*

y6:

Children can use the order of operations to solve calculations including subtraction.

The image displays three screenshots from a digital learning platform, illustrating the application of the order of operations (BIDMAS).

Question 6: The problem is $21 - 14 \div (10 - 3)$. The solution shows that the operation in the parentheses is performed first: $10 - 3 = 7$. The calculation then becomes $21 - 14 \div 7$. A pyramid diagram below the problem shows the order of operations: parentheses (top), multiplication and division (middle), and addition and subtraction (bottom).

Question 9: The problem is $6 - 4 + 3^2 \times 5$. The question asks which part is carried out first. The options are $6 - 4$, $4 + 3^2$, and 3^2 . A BIDMAS table is shown below, indicating that powers (3²) are performed first.

B	I	D	M	A	S
()	3 ²	÷ ×		+ -	

Question 15: The problem is $40 - 3 \times 5 - 2 \times 10 =$. The answer field shows a question mark.

*Key Vocabulary
less than, count back, subtract,
take away, exchange,
difference, value, BIDMAS*

Mastery:

Children can solve multi-step subtraction problems.

Question 2

The numbers in the three circles total the number in the square. What is the missing number?

Answer

4,571

2,188

11,316

?

Question 6

Two numbers in these calculations have been represented with the letters A and B. What is the value of A?

Answer

$$35,152 - A = B$$
$$B + 12,469 = 15,310$$

Question 9

Millie pays £4.50 for two cakes and a bottle of juice from the cafe.
Bradley pays £3.12 for one cake and a bottle of juice.
How much does a bottle of juice cost?
Include the £ sign in your answer.

Answer

£4.50

£3.12

Key Vocabulary
*less than, count back, subtract,
take away, exchange,
difference, value, BIDMAS,
inverse*