

Maths SATs Survival

Revision Guide and Quiz

Addition and Subtraction

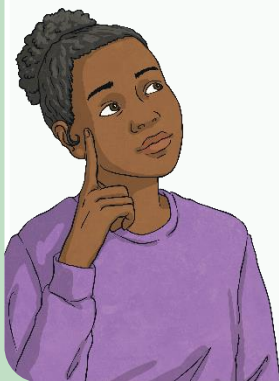


Add whole numbers using the formal written method of column addition

Subtract whole numbers using the formal written method of column subtraction

Use estimation to check answers to calculations

Solve addition and subtraction multi-step problems



Revise

Add whole numbers using the formal written method of column addition

We can use a formal written method for adding large numbers together. It is called column addition because the numbers are lined up underneath each other according to the place value columns.

We add the digits in each column starting from the right-hand side.

We can only write a single digit in the answer box of each place value column, so if the total is more than nine we have to regroup and place into the next column.

When we regroup, we must remember to include this when adding the digits in the next column.

	TTh	Th	H	T	O
	3	5	6	2	8
+		7	9	8	6
	4	3	6	1	4
	1	1	1	1	

Quiz

Add whole numbers using the formal written method of column addition

What is the answer to this addition calculation?

$$673\ 905 + 89\ 592$$

763 497

752 497

762 497

Try again!

Quiz

Add whole numbers using the formal written method of column addition

What is the missing digit in this addition calculation?

	2	0	4	8	7
+		5	8	?	6
	2	6	3	4	3

6

5

9

Try again!

Quiz

Add whole numbers using the formal written method of column addition

What is the missing digit in this addition calculation?

	6	2	9	?	5
+		7	1	0	8
	7	0	0	5	3

4

5

15

Choose another objective

Try again!

Revise

Subtract whole numbers using the formal written method of column subtraction

We can use a formal written method for subtracting large numbers. It is called column subtraction because the numbers are lined up underneath each other according to the place value columns.

We subtract the digits in each column starting from the right-hand side.

We must subtract the bottom number from the top number.

When the top number is smaller than the bottom number, we need to exchange from the next place value column.

	TTh	Th	H	T	O
	2 3	14 5	15 6	1 2	8
-		7	9	8	6
	2	7	6	4	2

Quiz

Subtract whole numbers using the formal written method of column subtraction

What is the answer to this subtraction calculation?

$$7\,950\,109 - 79\,485$$

763 497

752 497

7 870 624

Try again!

Quiz

Subtract whole numbers using the formal written method of column subtraction

What is the missing number in this subtraction calculation?

	7	0	2	0	3
-		?	?	?	?
	6	4	3	3	6

5767

5857

5867

Try again!

Quiz

Subtract whole numbers using the formal written method of column subtraction

What is the missing digit in this subtraction calculation?

	6	2	9	?	5
-		7	1	0	8
	5	5	8	7	7

7

8

6

Choose another objective

Try again!

Revise

Use estimation to check answers to calculations

Estimating is a strategy used for checking the accuracy of a calculation.

By rounding the numbers in a calculation, we can estimate an answer before or after calculating.

When rounding a number, remember to look at the digit immediately to the right of the place value position you are rounding to.



If the digit immediately to the right of the place value position you are rounding to is **1, 2, 3 or 4**, we round the number **down**.

If the digit immediately to the right of the place value position you are rounding to is **5, 6, 7, 8 or 9**, we round the number **up**.

Quiz

Use estimation to check answers to calculations

Which addition calculation has an approximate answer of 130 000?

$$85\,243 + 37\,803$$

$$78\,932 + 48\,618$$

$$92\,619 + 31\,483$$

$$89\,477 + 52\,264$$

Try again!

Quiz

Use estimation to check answers to calculations

Which subtraction calculation has an approximate answer of 5300?

$$9378 - 4658$$

$$11\ 673 - 6284$$

$$10\ 243 - 4917$$

$$12\ 550 - 7325$$

Choose another objective

Try again!

Revise

Multi-step problems require several different calculations to find the answer, so being able to identify the correct operations to use and the order to do them in is an important skill.

Top Tips:

- Read the problem carefully.
- Underline key facts.
- Draw a visual model.
- Write a number sentence.
- Solve using written methods.
- Check your answer.

Solve addition and subtraction multi-step problems

+

add
more
groups of
plus
increase
total
sum
altogether

—

subtract
minus
less
decrease
take away
fewer
leave
difference

Quiz

Solve addition and subtraction multi-step problems

Marla buys a drink for £1.29 and a snack for 73p.
She pays using a £5 note.
How much change does she receive?

£3.88

£3.98

£2.98

£2.02

Try again!

Quiz

Solve addition and subtraction multi-step problems

Adam buys a pencil for £2.14, a pen for £1.87 and a ruler for £3.95.

He pays using a £10 note.

How much change does he receive?

£2.04

£3.04

£2.14

£3.96

Choose another objective

Try again!

