

Maths:

Remember to use **Mathletics every day** and collect the certificates! You can also use **Hit the Button** or the **Daily 10** to practise the 2, 3, 4, 5, 8 and 10 times tables – how fast can you do them? Here are the links:

[Hit the Button](#)

[Daily 10](#)

This week we will be working on written methods for adding.

Monday

LI: To add numbers using a written method.

Let's start with a reminder of the methods we've used before. How would you add these numbers?

$365 + 26 =$. Work out the answer. Can you find another way to do it?

I might have done it by partitioning. Like this:

365
26+

—
11
80
300
391

I added the ones first and wrote that number down, then I added the 10s and wrote the total and I added the hundreds and wrote them. Finally, I added the totals of the Ones, tens and hundreds.

Use this method to complete as many of these questions as you can.

Add 2- and 3-digit numbers



- | | |
|-------------------------|--------------------------|
| 1. $372 + 25 = \square$ | 9. $346 + 18 = \square$ |
| 2. $209 + 53 = \square$ | 10. $458 + 51 = \square$ |
| 3. $426 + 51 = \square$ | 11. $667 + 24 = \square$ |
| 4. $154 + 36 = \square$ | 12. $174 + 42 = \square$ |
| 5. $626 + 33 = \square$ | 13. $377 + 23 = \square$ |
| 6. $365 + 19 = \square$ | 14. $656 + 62 = \square$ |
| 7. $624 + 53 = \square$ | 15. $383 + 17 = \square$ |
| 8. $525 + 46 = \square$ | 16. $267 + 45 = \square$ |



17. Find some ways of completing this calculation:

$$3\square\square + \square\square = 400$$

Tuesday

L1: To add numbers using a written method.

The method you used yesterday is a good method but today you are going to look at a shorter method. Look at this way of adding.

$$235 + 47 =$$

$$\begin{array}{r} \text{HTO} \\ 235 \\ 47+ \\ \hline \underline{1} \\ 282 \end{array}$$

When using this method, we use our knowledge of the place value of digits. When I added the ones, I did this: $5 + 7 = 12$. As 12 is made up of one 10 and two ones, I put the 2 in the ones column of the answer and I added the one ten into the tens column. That is why there is an extra 1 in the tens.

Use this method to add the following questions:

- 1) $366 + 28 =$
- 2) $257 + 38 =$
- 3) $435 + 47 =$
- 4) $372 + 43 =$
- 5) $567 + 52 =$
- 6) $643 + 73 =$
- 7) $735 + 84 =$
- 8) $278 + 33 =$
- 9) $345 + 56 =$
- 10) $579 + 48 =$
- 11) $648 + 65 =$
- 12) $383 + 17 =$
- 13) $174 + 42 =$
- 14) $154 + 36 =$
- 15) $748 + 179 =$
- 16) $636 + 26 =$

Wednesday

L1: To add numbers using a written method.

Today you will be adding 3-digit numbers using the short method you practised yesterday.

Add these numbers using the same method as yesterday. Remember to start with the ones!

- 1) $109 + 139 =$
- 2) $196 + 706 =$
- 3) $199 + 391 =$
- 4) $109 + 498 =$
- 5) $719 + 182 =$
- 6) $455 + 281 =$
- 7) $628 + 319 =$
- 8) $158 + 466 =$
- 9) $237 + 268 =$
- 10) $595 + 117 =$
- 11) $170 + 249 =$
- 12) $677 + 160 =$
- 13) $385 + 137 =$
- 14) $290 + 276 =$
- 15) $267 + 579 =$

Thursday

LI: To solve word problems involving addition.

Remember to use **RUCSAC** to help you.

Read the problem

Underline the important information

Choose the method of calculation.

Solve the problem (make sure that you show how you did it)

Answer the question

Check your answer

Now answer these questions:

- 1) I have 152 red books and 299 green books. How many do I have altogether?
- 2) In a school there are 328 boys and 448 girls. How many children are in the school?
- 3) A teacher buys 491 pens and 335 pencils. How many does he buy altogether?
- 4) In a car park there are 524 blue cars and 384 black ones. How many cars are there altogether?
- 5) In a Sunnyside School there are 354 children. In Sunnyside School there are 628 children. How many children are there altogether?
- 6) Sunnyside School has 198 rugby balls and 173 footballs. How many balls do they have altogether?
- 7) Some children went to see a pantomime. 447 went from St Stephen's School and 482 from St Mary's School. How many children went from the two schools altogether?
- 8) The Rainbows and the Cubs area leaders decided to have a joint picnic. There were 537 Rainbows and 382 Cubs. How many children attended the picnic?
- 9) At the Dogs Trust there are 432 dogs. At Battersea Dogs Home there are 539 dogs. How many dogs is this altogether?
- 10) The PTFA raised £432 by selling cakes and £349 selling sweets and drinks. How much money did the PTFA raise?

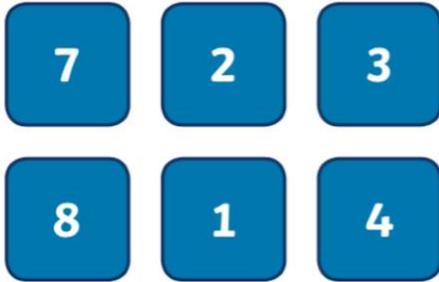
Friday

LI: To solve problems and puzzles involving addition.

- 1) There are 167 books in one classroom and 392 in another. How many books are there altogether?
- 2) Jay has a collection of 263 football cards. His brother James has 389. How many football cards do they have between them?
- 3) Mr and Mrs Smith drive 208 miles from London to Manchester to visit their parents. They then drive 213 miles from Manchester to Glasgow to visit their aunt. How many miles did they travel altogether?
- 4) A cricket team score 456 runs in the first innings and 249 in the second innings. How many runs did they score in total?
- 5) A packet of lentils weighs 450g and a packet of kidney beans weighs 385g. How much do they weigh together?

Now try this puzzle.

I have the following digit cards:



Use them to make the pair of 3-digit numbers with the largest possible total. You can only use each card once.

Challenge: Find pairs of numbers which add to 581. You should use the written method to prove that your numbers do add to 581.