

## Maths Week 1

### Message

Hi Year 4!

We hope you're all keeping well, staying safe and having fun at home. Here are your Maths activities to do at home this week. Please do as much as you can and remember to listen to your parents and do as they ask!

You can do all of these activities without a printer.

Please make sure that you are practising your times tables a little bit every day.

Good luck! We miss you!

Love Ms Davies, Mr Shiel, Ms Schmidt and Mr Goddard.

### Teaching

To start our remote learning in maths, we are going to look at addition. In Year 4, we have practised using mental and written methods to solve addition problems. This week we want you to use the written column method for addition.

We can do addition by writing one number below the other and then add **one column at a time**, like this:

$$\begin{array}{r} 13 \\ + 23 \\ \hline 36 \end{array} \quad \begin{array}{r} 16 \\ + 16 \\ \hline \end{array}$$

Sometimes, when numbers add to over ten, you need to split the number and 'carry' it over to the next column, like this:

$$\begin{array}{r} 1 \\ 16 \\ + 16 \\ \hline 32 \end{array}$$

Did you see how we split the 12 into **1 Ten** and **2 Ones**? We then sent the **1 Ten** to the **top of the Tens column**, so we will remember to add it when we do the Tens.

Questions to answer are below!

### Website Links

Here are some useful teaching videos:

<https://www.mathsisfun.com/numbers/addition-column.html>

<https://www.bbc.co.uk/bitesize/topics/zy2mn39/articles/z3kmrwx>

<https://www.youtube.com/watch?v=rL9qX57BzsA>

Here are some websites where you can practise your skills.

<https://www.mathsisfun.com/worksheets/print.php?w=34170&ID=5450>

<https://www.mymaths.co.uk/>

<http://www.snappymaths.com/addition/addw100/resources/addw100ear1.pdf>

You can print additional worksheets for free from this website. Make sure you look for Year 4 resources on addition:

[www.twinkl.co.uk/offer](http://www.twinkl.co.uk/offer)

Enter the code: UKTWINKLHELPS

## Questions to Answer

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

	2	1			2	8			7	4	
+	3	3		+	3	0		+	1	4	

	5	6			3	2			4	8	
+	1	6		+	4	9		+	1	7	

	1	6	9			2	6	5			4	3	4
+	1	5	1		+	3	8	5		+	2	8	9

	4	5	3			8	8	3			1	5	7
+		8	2		+		9	3		+	3	5	1

	5,282		3,768		2,739
+	1,991		2,241		2,429

## Apply it!

Fill in the missing boxes to make these calculations correct.

$$\begin{array}{r} 6\square5\square \\ +23\square3 \\ \hline \square577 \end{array} \quad \begin{array}{r} 4\square6\square \\ +25\square1 \\ \hline \square789 \end{array} \quad \begin{array}{r} 6\square\square8 \\ +\square\square8\square \\ \hline 9,325 \\ 1\ 1\ 1 \end{array} \quad \begin{array}{r} \square3\square7 \\ +3\square8\square \\ \hline 9243 \end{array}$$

Solve these calculations and work out which is bigger!

$$3,456 + 789 \quad \bigcirc \quad 1,810 + 2,436$$

$$2,829 + 1,901 \quad \bigcirc \quad 2,312 + 2,418$$

$$7,542 + 1,858 \quad \bigcirc \quad 902 + 8,496$$

$$1,818 + 1,999 \quad \bigcirc \quad 3,110 + 707$$

## Number Problems

The W7 bus picked up 23 passengers at the first stop, 143 passengers at the second stop and another 45 passengers at the 3<sup>rd</sup> stop. Including the driver, how many people are on the bus?

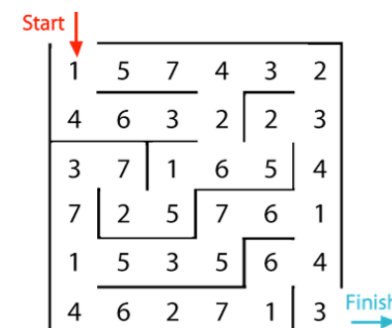
Joe starts by thinking of the number 2134. He doubles it and then adds another 2399. What number is he on now?

Colin is entering the Smarties-eating world championship. In the first round, he scoffs 234 smarties. In the next round, he guzzles 2349 smarties and in the final round, he swallows a whopping 4399! How many has he eaten?

## Games and Investigations

In this maze, there are numbers in every direction. You go through the maze by adding all the numbers you pass. You may not go through any number more than once.

Can you find a way through in which the numbers add to exactly 100?



Below is a grid of four "boxes". You must choose four different digits from 1–9 and put one in each box. For example

		5	2
		1	9

This gives four two-digit numbers: 52. 19. 51. 29. When I add them all together I get 151.

Your challenge is to find four different digits that give four two-digit numbers which add to a total of 100.