



# Supporting Your Child with Maths at Home

Years 3 and 4

# Introduction

This guide has been designed to explain how your child is taught to solve mathematical problems in school and show ways you can support them at home. These skills are taught alongside many other ideas including mental strategies, counting, singing, group activities, practical methods and maths in the outdoors.

#### Why do you need to know?

When looking through this guide, you may find that the children are taught to solve mathematical problems in ways that look different from the ways you may remember! Often children encounter frustration and difficulty when receiving mixed methods from home and school, and for this reason, we have produced a guide to help you fully support your child in a way that will match the methods their teachers are using in school.

#### What should you do?

Before any mental or written calculation is undertaken, children are encouraged to discuss which method of solving the problem would be best. And proceed through a number of steps whenever possible. In school the children will be asked to Read the question, identify the maths involved, estimate an answer, calculate and finally check work is correct. At home...





For example, a child may add 30 in one step followed by the 7.

#### Year 4

In Year 4 the children may continue to use the number line to add, but will quickly progress to the first stages of a vertical method.



11

150

700

861

13

110

123

again work with the units first, adding first the 7 and 6 in the first example before the 70 and the 40.

When adding up for the final answer, it is also important to begin adding the columns with the units.



### Subtraction

In Year 3 and 4, the children will be using the number line method for subtraction. It will be used to count backwards (subtract) and count on (to find the difference between two numbers)

Year 3 and 4 Children must take care to place the smaller number to the left of the line Crawley City have a match day if they are endeavouring to count up. attendance of 563. At half time they are loosing by six Equally, if they intend to count goals to nil! backwards, they must start at the At the end only 281 fans right of the line placing the larger remain. How many left before number here first. the end? As with addition, the steps in which Note in the example at the bottom of the children choose to count on or the page, how the child adds 19 to 281 back should be of their own choice, to reach the next multiple of 100 enabling them to solve problems their (300). This helps children to be more own way. successful. Always help them look for the next 10 or the next hundred. 563 - 281 = 282 (Counting back from the highest number) -1 -20 -60 - 200 282 283 303 363 563 563 - 281 = 282 (Counting on from the lowest number) +19 +200 +63 281 300 500 563

In the Summer Term the children in Year 4 will make their first steps toward the standard method of subtraction. They will not be expected to exchange (or borrow as you may have called it) numbers at this stage.

In the example below, as with addition, children should be encouraged to begin with the units in preparation fro the development of the full written method in year 5

	56 –	23 = 33		
-	50 20	6 3		
	30	3	=	33

## **Multiplication**

The children will of course use their knowledge of times tables to help with simple multiplication and division questions. They will also progress to using the Grid Method in Year 4.





