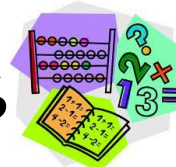




# Maths Masterclass



## Year 3 Summer 1

Welcome back to another Maths Masterclass Newsletter. We hope you are enjoying our Maths Newsletters. We have included the key coverage and some strategies that we use for teaching maths in class, alongside some online resources and activities for your child to try at home. We hope this helps with supporting your child at home and celebrating their success.

### Addition and Subtraction

To further embed our knowledge of formal addition and subtraction, the children will be solving a variety of problems. They will use mathematical vocabulary to explain how they know and show their working out to support their answers.

Find the hidden digits to make the calculation correct.

	H	T	O
		8	
+	2		7
	6	2	3



Explain your method.

To

support the children to complete these, you can give them a few different addition and subtraction calculations. Using the column written method, they can develop their fluency further. Children often find it more challenging when there is an exchange involved so some regular practise doing this is helpful. Begin with 2 digit and 2 digit numbers and then move onto 3 digit and 2 digit numbers.

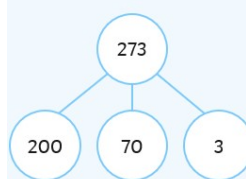
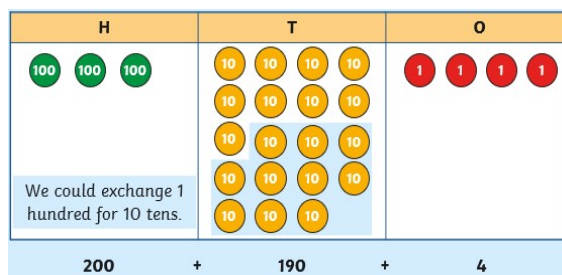
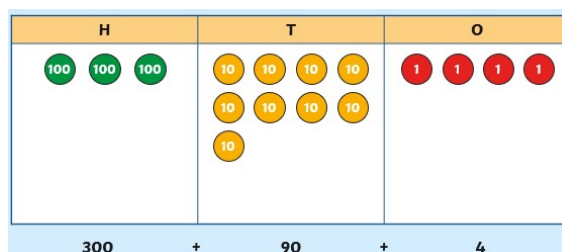
E.g. 24 324

<b>1</b> $\begin{array}{r} 34 \\ + 57 \\ \hline \end{array}$	<b>2</b> $\begin{array}{r} 34 \\ + 57 \\ \hline 1 \end{array}$ <p>We always start with the place value column on the right. 4 ones add 7 ones equals 11 ones. We need to regroup 10 ones into a ten. This leaves us with 1 one in the ones column.</p>
<b>3</b> $\begin{array}{r} 34 \\ + 57 \\ \hline 1 \end{array}$ <p>We use our understanding of place value to line up the tens and ones in columns.</p>	<b>4</b> $\begin{array}{r} 34 \\ + 57 \\ \hline 91 \\ 1 \end{array}$ <p>We put the regrouped ten in the tens column.</p>
<b>5</b> $\begin{array}{r} 34 \\ + 57 \\ \hline 91 \\ 1 \end{array}$ <p>Add the tens including any tens you have regrouped.</p>	<b>6</b> $\begin{array}{r} 34 \\ + 57 \\ \hline 91 \\ 1 \end{array}$ <p>Check your answer. ✓</p>

+ 19 + 58

### Place Value

The children will be representing numbers in different ways. At home, you can try giving your child a 3 digit number and asking them to draw a place value counters (top two images) or part-part-whole models (third image).



To the left is a 'cherry' or 'part-part-whole' model. Give your child a number and ask them to partition it.

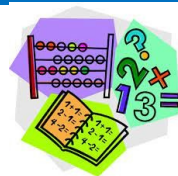
### Geometry

We will be finding the perimeter of 2-d shapes. The children will learn that perimeter is the distance all the way around a shape or object.

- ⇒ Encourage your child to pace around different areas inside or outdoors, at home or at the park, to estimate the perimeter. Two paces will be approximately 1 meter.
- ⇒ Your child could draw a variety of different shapes (this could even be in chalk outside). They can then lay string or ribbon around the shape before measuring the length of the string using a ruler or tape measure.
- ⇒ As an additional challenge, you could ask your child to estimate which shape will have the largest and which will have the smallest perimeter.



# Maths at Home



## Maths website to support parents and Maths problem-solving at home



Nrich has a range of maths games, problems and articles on all areas of maths. Parents can select either 'Stage 1' or 'Stage 2' to support and consolidate mathematical concepts. These usually tie in with the Key Stage of your child.  
<https://nrich.maths.org/frontpage>  
Each problem has a difficulty rating with 3 stars being the hardest.

## Raising the profile of Maths



A good understanding of everyday maths will help your child with the important tasks such as making decisions and understanding information. It will also help them develop lifelong skills. Whilst you are at home you could play maths related games to help engage your child. For example, there are so many 'undercover' maths games that can help your child learn and practise a range of basic skills such as Monopoly, Dominoes, Four in a row, Scrabble and general card games.



Please try to spend 10-15 minutes practising times tables as often as possible to support fluency. Fast recall of times tables really helps children when they solve problems and do more complex maths!

Each half term we will be running battles between the classes in every year group weekly and one for over the whole half term.

Our next battle will be running from **Monday 3rd April — Friday 26th May.**

Having trouble logging on? Pop us an email at [admin@hamble-pri.hants.sch.uk](mailto:admin@hamble-pri.hants.sch.uk) and we can try to assist.

### **YEAR 3:** **Winning class:** **ZEBRAS**

Lots of excellent determination with times tables across Year 3. Well done to all, keep it up!

Will we be seeing your class and name on the next newsletter?

Let's BATTLE!

