



# Maths Masterclass



Year 4: Spring 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.

## Place Value

This half term, we will begin by working on rounding numbers to the nearest 10, 100 and 1000. You may hear your child saying rhymes to help them remember.

It is really important that children understand the value of each digit so you could show them a 4-digit number and ask them the value of the different digits. Can they tell you how many thousands, hundreds, tens and ones are in the number?

We will then revisit finding 1000 more or less than a number as well as ordering and comparing numbers beyond 1000. We will be solving problems using all of the above place value knowledge throughout this unit of learning.

Finally, we will have a look at some Roman Numerals. The children have some knowledge of this already so we will develop this and explore more!

I	1	XXX	30
II	2	XL	40
III	3	L	50
IV	4	LX	60
V	5	LXX	70
VI	6	LXXX	80
VII	7	XC	90
VIII	8	C	100
IX	9	D	500
X	10	M	1,000
XX	20	MD	1,500

## Geometry

In geometry, we will be identifying lines of symmetry in 2D shapes and we will be creating simple symmetric figures using a given line of symmetry.

## Addition and Subtraction

For addition and subtraction, we will be focusing on the use of column addition and subtraction and the use of inverse to check answers. We will be adding and subtracting numbers with up to 4-digits, ensuring we understand how to exchange accurately for this strategy. We will be applying this learning to the context of money, using pounds and pence. We will progress from fluency calculations to solving 2-step problems.

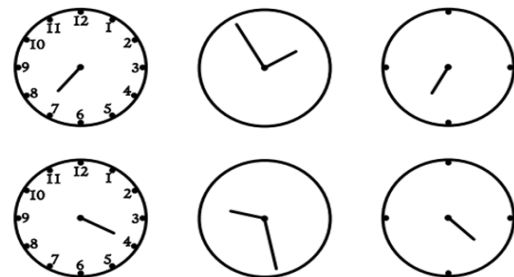
To help your child with this at home, you could remind them that there is 100 pence in £1. Then you could use this to convert some different amounts of money:

200p = £?    £3 and 12p = ?p    628p = £? and ?p  
£10 and 35p = ?p    2058p = £? and ?p

## Family challenge

### Estimate

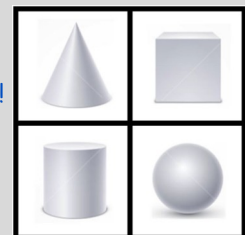
Parts of each clock are missing. Estimate the times:



## Reasoning

You may have heard the teachers talking to you about developing your child's reasoning skills. This is when you are able to apply mathematical concepts in a range of ways and being able to explain what they mean clearly. Here is an example for you to discuss:

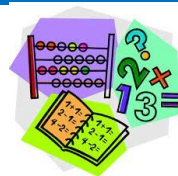
Can you identify the odd one out?  
There is more than one possibility!  
Use some of the key words to describe your reasoning:



apex    faces    edges    3D  
vertices    curved    straight  
shaped    circular



# 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 5th January — Friday 6th February.**

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.

**Most recent battle between year 3 and 4**

**YEAR 4 ARE WINNING!**

Year 3: 500  
Year 4: 669

Make sure you are involved in the next battle! Which class will be the next winners?

