



Maths Masterclass



Year 3: Spring 1

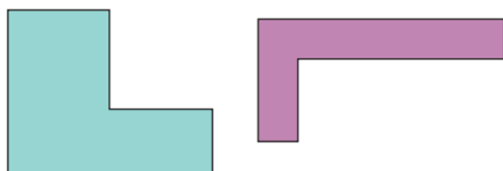
Welcome back to another Maths Masterclass Newsletter. We hope you are enjoying our Maths Newsletters. We have included the key coverage and some strategies that we use for teaching maths in class, alongside some online resources and activities for your child to try at home. We hope this helps with supporting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

Place Value

This half term, we will be working on counting in different multiples. We will begin by learning to count in multiples of 50 and 100. Then we will be counting in multiples of 4 and 8. We will focus on patterns of these different multiples and ensure we can count forwards and backwards using these multiples. We will also be solving problems to apply this learning and challenge ourselves to secure our understanding of counting in these different multiples.

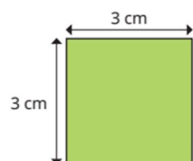
Geometry

In geometry, we will be measuring the perimeter of simple 2D shapes. Perimeter means to measure around the outside of a shape. To find the perimeter of a shape, we add up the lengths of all of the sides. We will apply our knowledge of properties of shape from previous learning to help us to be more efficient mathematicians. For squares, we know all of the sides are equal in length so we could multiply 1 of the sides by 4 (using our new multiples of 4 knowledge) or we could double the length of 1 side and double it again for example. For rectangles, we know that each pair of parallel sides are equal in length so we could add the shorter side and the longer side together then double the answer. Some of the shapes will be irregular shapes too.



Work out the perimeter of each hexagon.

Here is a square.



Do you need to measure all the sides to find the perimeter?
What is the perimeter of the square?

Addition and Subtraction

For addition and subtraction, we will be focusing on the use of column addition and subtraction. We will be adding and subtracting numbers with up to 3-digits, ensuring we understand how to exchange accurately for this strategy. We will be applying this learning to the context of money and will progress from fluency calculations to different problems. These will include missing number problems, reasoning and problem-solving questions too.

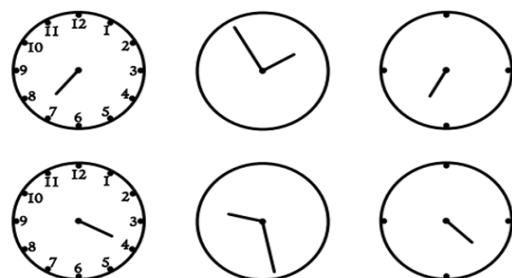
To help your child with this at home, you could remind them that there is 100 pence in £1. Then you could use this to convert some different amounts of money:

200p = £? £3 and 12p = ?p 628p = £? and ?p

Family challenge

Estimate

Parts of each clock are missing. Estimate the times:

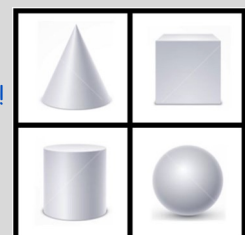


Reasoning

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 below 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 **Tuesday 3rd January — Friday 10th February.**

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

YEAR 3:
Winning class:
GIRAFFES!

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

Will we be seeing your class on the next newsletter?

Let's BATTLE!

