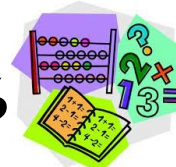# Maths Masterclass

## Year 4: Autumn 1

We hope you are enjoying our Maths Newsletters. We have included the 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

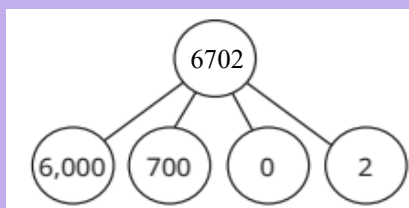This term, we will be working with numbers up to 10,000.

We will be identifying a range of 4-digit numbers, thinking about what each digit represents in terms of their value of thousands, hundreds, tens or ones, before comparing and ordering these on a number line.

We will also have a look at negative numbers in our place value unit.

| Th | H | T | O |
|---|---|---|---|
| 1,000 1,000 | 100 100 | 10 10 | 1 |
| 1,000 1,000 | 100 100 | 10 | |
| 1,000 1,000 | 100 100 | | |

There are _____ thousands, _____ hundreds, _____ tens and _____ ones.

The number is _____

6702
6,000 — 700 — 0 — 2

### Addition and Subtraction

In this unit, we will be revisiting column addition and subtraction and working on mental strategies to help us with our efficiency.
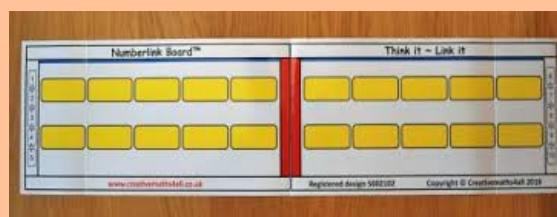
### Geometry

In geometry, we will be identifying acute and obtuse angles. We will be drawing 2D shapes and linking our angles learning to our shapes (particularly triangles and quadrilaterals).

### Measure

In measure, we will be focusing on area and perimeter. For finding the area, we will be counting the squares within shapes. For finding the perimeter, we will be adding the lengths of all of the sides together. This will link with our learning about shape from our geometry unit.

Throughout this half term, we will be using Numberlink boards which the children will have seen before. These are a popular maths resource that we use to support the learning of counting in multiples and times tables. Please see Mrs Spooner's times tables help sheet attached.



### Family challenge

Sam makes a four-digit number with a digit sum of 17. The hundreds digit is the largest.

What four digit cards did he have?
Can you think of more than one combination?
Can you find all of the different possible combinations?

### 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:

How are these words related to time? Discuss.

| | | |
|---|---|---|
| Noon | Hands | Hour |
| Minute | Fortnight | Second |

# 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 focusing on 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 4th September —Monday 16th October.

Having trouble logging on? Pop us an email at admin@hamble-pri.hants.sch.uk

**YEAR 4:**
**Winning class:**
_____

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

Let's BATTLE!