



Maths Masterclass



Year 4: 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

This half term, we will focus on solving different problems. These will include different problems that involve multiple steps in order to solve them. This will include unpicking worded problems. We will also be looking at some missing number calculations which the children are exposed to everyday in our arithmetic time.

For example:

$$\underline{\quad\quad} - 234 = 178$$

For this, we know that we can use the inverse and do $178 + 234$ as these are the 2 parts and we are missing the whole.

$$234 - \underline{\quad\quad} = 178$$

For this, we have the whole and we have one of the parts but we are missing the other part. So this time, we can do $234 - 178$ to calculate our missing number.

$$178 + \underline{\quad\quad} = 234 \text{ or } \underline{\quad\quad} + 178 = 234$$

For both of these, we can use the inverse again and do $234 - 178$. Again, we have one of the parts and the whole, but we are missing the other part. By subtracting the part we have from the whole, we will find our missing number.

Measure - Time

In our measure learning this half term, we will be focusing on time. This includes reading and writing time on analogue and digital clocks. We will then progress onto solving problems that involve converting hours to minutes and minutes to seconds. We will also think about converting years to months and weeks to days.

Some key things to ask your child:

How many seconds are in a minute?

How many minutes in an hour?

How many minutes in half an hour?

How many minutes in a quarter of an hour or three-quarters of an hour?

How many days in a week?

How many months in a year?

Do they know the number of days in different months?

You can help by telling the time using clocks at home too!

Geometry

This half term, we will focus on shape in geometry. We will be focus on different types of triangle - scalene, equilateral and isosceles.



Equilateral triangle

Three equal sides.
Three equal angles.



Isosceles triangle

Two equal sides.
Two equal angles.



Scalene triangle

No equal sides.
No equal angles.

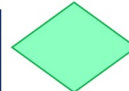
We will also focus on quadrilaterals. We will be drawing these different types of shapes and comparing them based on their properties.



Square



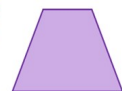
Rectangle



Rhombus



Parallelogram



Trapezium

Family challenge

Maths Countdown:

Reset
cards and
target

194

Generate
new
target

25 6 1 7 2 2

One possible way uses only 4 cards...

Reasoning

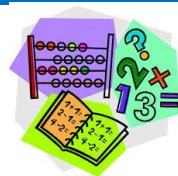
You may have heard the teachers talking to you about developing your child's reasoning skills. This is when you are able to apply mathematical concepts in a range of ways and being able to explain what they mean clearly. Have a go at solving the example below together with your child. Can you then write your own place value riddles?

What is the number?

- The number has four digits.
- The hundreds digit is the number of sides of a pentagon.
- The thousands digit is the same as $20 \div 5$.
- The tens digit is more than 0 but less than 2.
- The ones digit is the same as $20 - 17$.



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 17th April – Thursday 25th May.**

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

YEAR 4: **Winning class:** **PENGUINS!**

Lots of excellent determination with times tables across Year 4. Well done to all, keep it up!

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

Let's BATTLE!

