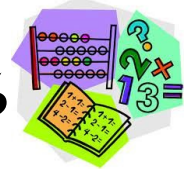




Maths Masterclass



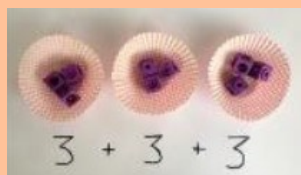
Year 4: Autumn 2

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.

Multiplication and Division

Throughout this half term, we will be focusing on solving problems using multiplication facts. Your children will be using a range of concrete resources for support. They will begin by revisiting their previous knowledge that multiplication can be shown as repeated addition.

Concrete and pictorial representations of 3×3



3 add 3 add 3 equals 9

The children will then look at this in a more visual way to prepare to for moving onto compact method.

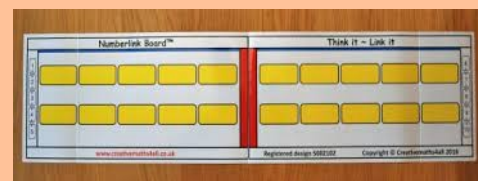
x	10	3
4		

x	T	U
4		



	10	8
10	100	80
3	30	24

Finally, they will be using counting sticks and Numberlink boards to support their fluency of multiplication and division. These will mainly be focusing on the 6, 7, 9 and 12 times tables to support them when problem solving.



Fractions

This half term, we will be working with fractions. We will be adding and subtracting fractions with the same denominator.

$\frac{1}{2}$	$\frac{1}{2}$
$\frac{1}{3}$	$\frac{1}{3}$
$\frac{1}{4}$	$\frac{1}{4}$
$\frac{1}{5}$	$\frac{1}{5}$
$\frac{1}{6}$	$\frac{1}{6}$



$$\frac{1}{5} + \frac{2}{5} = \square$$

$$\frac{4}{5} - \frac{2}{5} = \square$$

We will also be looking at equivalent fractions and finding different fractions that are equal to each other. Can you spot any equivalences to $\frac{1}{2}$?



Maths at Home



Statistics

In statistics, we will be looking at and presenting data on different graphs, including bar charts and time graphs. We will also answer different questions and calculations using different graphs, including charts, pictograms and tables. Looking at weather forecasts and train/bus timetables are a good way to see this in everyday life.



What is the difference in temperature between Monday 9th and Tuesday 10th?

Which day has the lowest temperature?

How often does a bus arrive in Hamble Square?

	15	15	15	15	15	15
Southampton, Pound Tree Road	06:15	07:30	08:30	09:30	10:30	11:30
Southampton, Westquay	06:16	07:32	08:32	09:32	10:32	11:32
Woolston, Bridge Link Road	06:23	07:39	08:39	09:39	10:39	11:39
Wrights Hill	06:26	07:43	08:43	09:43	10:43	11:43
Netley, Denzil Avenue	06:33	07:51	08:51	09:51	10:51	11:51
Bowcombe	06:35	07:53	08:53	09:53	10:53	11:53
Hamble Square	06:45	08:05	09:05	10:05	11:05	12:05

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 explain what they mean. Here is an example for you to discuss:

Can you identify the odd one out? Use some of the key words to describe your reasoning.

odd multiple ones
even hundreds tens
factor

32	64
81	144

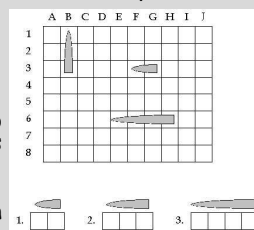
Geometry

In geometry, we will be using coordinates to identify positions of points on a grid. Children will be able to plot points on a grid and use this to complete shapes. To help children remember how to plot points, we go along the x axis, then up the y axis. We use the phrase, 'along the corridor and up the stairs' to help children easily remember this.

Battleships:

This is a great game to play to support your child's coordinates learning.

You can even create your own version on a piece of paper.



Feel free to ask your class teacher if you are unsure on how to play and they will be happy to explain.

Family challenge

How many ways?

I spend 70p at the shop.
I pay with exactly 5 coins.
Which coins do I use?

1. Can you find one way?
2. Can you find another way?

You could find the coins to do this or use the pictorial versions below...



Share with your class teacher the ways you completed this.



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!

Our next battle will be running from
Monday 30th October —
Friday 17th December

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



YEAR 4:
Winning
class:
ZEBRAS



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