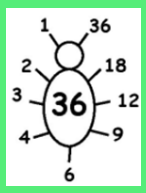
Maths Masterclass

Year 4: Spring 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

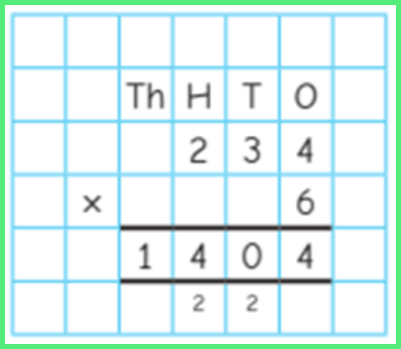
This half term, we will be introducing factors. If you can divide a number by other numbers and get a whole number (integer) as the answer, then you will be able to find the factors of that number. The children will apply their knowledge of times tables and division facts to be able to find factor pairs. They may present their factor pairs using factor bugs like this one.



You could pick a number up to 100 and get your child to find all of the factor pairs (using the factor bug above as a way to represent this).

Finally, we will be revisiting short multiplication for up to 3-digit by 1-digit multiplication calculations.

The method we will be using can be found here:



Geometry

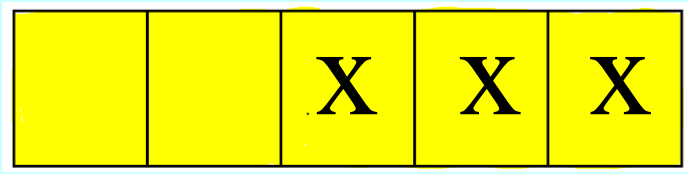
In geometry, we will be focusing on translation. This includes describing movements on a grid. We will be using the language of up, down, left and right.

To ensure your child is ready for this unit, you could check they know their left and right. Then, apply this by directing the BeeBot to different places on the map?

Maths at Home

Fractions

This half term, we will complete some work on fractions. We will revisit how to **subtract a fraction from a whole**. For example 1 - 3/5 = ?



For this, the children need to recognise that the 1 whole is equivalent to 5/5. Then this calculation can be viewed as 5/5—3/5 = ?

We will also be revisiting **adding mixed numbers**.
For example: 2 2/6 + 3 3/6 = ? For this, 2 + 3 = 5, 2/6 + 3/6 = 5/6. So, 5 + 5/6 = 5 5/6.

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 clearly. Here is an example for you to discuss:

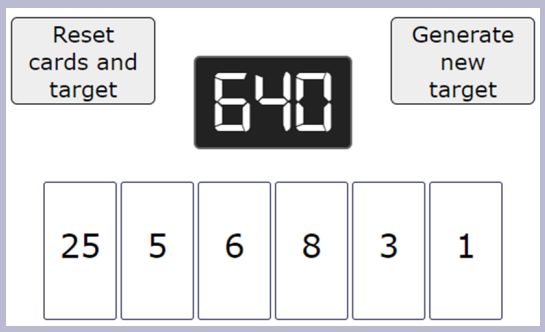
Can you identify the odd one out? There is more than one possibility! Use some of the key words to describe your reasoning:

improper proper
mixed number fraction
numerator denominator
digit

$\frac{7}{8}$ $\frac{5}{2}$

$\frac{5}{12}$ $\frac{5}{7}$

Family challenge



Can you create 640 using just these cards?

E.g. 25 X 6 = 150
8 X 5 = 40
150 + 40 = 190 X 3 = 570 + 1 = 571

Can you get closer?

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!

Next Battle runs over half term!

8th Feb—22nd Feb

Keep practising!

YEAR 4:
Winning class: