



Maths Newsletter—Autumn 2 2023

Mastery Maths Workshops

Families from Class 2 - 5 joined together with their children to learn about how multiplication is taught across school. This started on counting in 2s, 5s and 10s in Class 2, using arrays and early grid method in Class 3, Class 4 showed us how they developed Grid Method and in Class 5, we looked at moving from Grid Method to Column. We hope families now have a good understanding of this progression and enjoyed having a go too! The feedback we have received has been so lovely, and the children and staff really enjoyed the workshops. Below are the expectations of your child as they go through school for multiplication.



Year Group	Expectation
Year 1	Count in multiples of 2, 5 and 10 . Recall and use all doubles to 10 and corresponding halves.
Year 2	Recall and use multiplication and division facts for the 2, 5 and 10 times tables including recognising odd and even numbers .
Year 3	Recall and use multiplication and division facts for the 3, 4 and 8 times tables.
Year 4	Recall and use multiplication and division facts for tables up to 12 x 12
Year 5	Revision of all times tables and division facts up to 12 x 12
Year 6	Revision of all times tables and division facts up to 12 x 12

TTRS Leader Board

Make sure to keep practising on TTRS to see if you can become a ROCK HERO— we currently have 3, who can complete questions in less than a second! Miss Gill has been setting some studio time so you can improve

1	Daniel	Maximum Leonard	4.38	0.76	Rock Hero
2	Oliwer	Piper Black	30.00	0.80	Rock Hero
3	Henry	Hero Hargreaves	3.55	0.99	Rock Hero
4	Polly	Natty Rippler	3.14	1.06	Rock Legend
5	Elijal	Pat Night	3.90	1.28	Rock Legend

KS2 Challenge:

$$\begin{array}{ccccccc}
 \text{Tree} & + & \text{Tree} & + & \text{Tree} & + & \text{Tree} & = & 20 \\
 \text{Cake} & + & \text{Tree} & + & \text{Santa} & + & \text{Santa} & = & 15 \\
 \text{Cake} & + & \text{Cake} & + & \text{Tree} & + & \text{Cake} & = & 11 \\
 \text{Gift} & + & \text{Cake} & + & \text{Santa} & + & \text{Tree} & = & 24
 \end{array}$$

KS1 Challenge:

Christmas Missing numbers



Inspirational Mathematician



Mary Jackson

(1921 – 2005)

Nationality
American



Known for

Studying the maths and physics of air flow for NASA aircraft

Having her story told in the film *Hidden Figures*, along with two other Black female NASA mathematicians



Debt Aware—Money Workshops

Year 5 and 6 worked with Mr Souter on the Money program. These workshops are run throughout the year to support the children's understanding of how to use money for the future.

This half-term the Year 5s have looked at wants and needs; what debt is and spending. Year 6s looked at salaries of different types of jobs and what they would like to do in the future.



Growth Mindset

is so important when approaching Maths. Could you change the way you present maths to your child?

Fixed mindset

I'm not good at maths - I've never been good at maths.

I give up - I can't make this any better!

If I fail, I am a failure.

I can't do this - I keep making mistakes.

Growth mindset

I'm finding maths hard now, but I can improve with time and effort.

I can improve if I keep trying!

Most successful people fail along the way.

Mistakes help me learn!

EYFS Christmas Maths Ideas for at home!

- Use a few different sizes of Christmas cards and challenge children to match the right cards to the right size envelopes.
- Replace your usual counting items with Christmas ones!
- Wrapping paper can be a good resource for teaching children about repeating patterns. Challenge children to make their own wrapping paper using repeating patterns and let them use it to wrap up a toy.
- When baking, encourage children to weigh their ingredients and set the table using the right number of each item for their guests.