

9 November 2023



Dear Parents/Carers

Multiplication Expectations

I would like to take this opportunity to thank those that attended our Calculation Workshop in October. I hope you found it informative, and it was lovely to speak to so many parents about how they can support their children at home. This being said, I thought I would take this opportunity to outline the expectations regarding the multiplications that the children need to learn and how we are supporting your child with this in school, and how you can support at home.

As part of the national curriculum, the table below outlines the expectations for each year group. It is expected that the children learn these times tables and rapidly recall them at speed.

Year 1	To be able to count in 2,5 and 10. Recall and use all doubles to 10 corresponding halves.
Year 2	Recall and use multiplication and division facts for the 2,5 and 10 times tables.
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 all times 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.

Children's knowledge of these facts is imperative in assisting them with work involving fractions, area, problem solving and reasoning. At the end of Year 4, children sit national multiplication tables check called the MTC. Our attainment in this is improving each year and we would like to see this continue.

Throughout our maths curriculum, children are taught lessons on their times tables and division facts. We teach them the facts as well as the different methods that they can use to answer multiplication and division calculations. However, this is an area that needs to be constantly reviewed and practised. The way in which we do this in school is by using Times Table Rockstars (TTRS). Each week, children complete 3 sessions practising the times tables they specifically need to focus on and will only move on once this area has been cemented. The children are then encouraged to use TTRS at home as part of their weekly homework.

TTRS is suitable for all children aged 6 years and above and is adapted to meet each child's individual learning needs, to help them recall their times tables at speed. It can be accessible on any device via the app or website. It has been proven to boost maths confidence and increases fluency which in turn delivers better maths outcomes.

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Each month, the children should complete a **Gig** game. This is a game that will ask the children all of their times tables starting from their 10's all the way to 12. This then generates a heat map which shows how the children have performed and will show areas of strengths and weakness. You can view this heatmap in the garage game. The **Garage** game then focuses on these areas of weaknesses and will only ask the children questions on times tables that they need to focus on. This in turn will help them learn these times tables and be able to recall them at speed. I have set all children the target of completing 21 mins of garage games a week. This is 3 minutes a day. This is the recommendation set by TTRS and has been proven to work. The children will not be able to play any of the other games until this is completed. The reason for this is that the children are practising the times tables that they are still not confident in answering. Once the children have completed the 21 minutes, they are free to play any of the other games on the website.

During the school day, we are working hard to give the children access to the technology to be able to complete some of their 21 minutes. This is not always possible each week and so it is set as homework.

We would be grateful if you could please help us in assisting the children in meeting the recommended 21 minutes per week. It will really make a difference to our children's maths knowledge.

Thank you for your continued support.

With kind regards

A handwritten signature in blue ink, appearing to be 'Mrs Quigley', written in a cursive style.

Mrs Quigley
Maths Leader