



Welcome



**Schools for
Every Child**

Times Tables Parent Information Session
Autumn Term 2025

Mrs C Pettifer - Assistant Headteacher, Maths Lead, NCETM Teaching for
Mastery Specialist, LLME (Local Leader of Mathematics Education)

Mrs A Archer - Year 4 Teacher, RE lead

Mrs D Baillieul - Year 4 Teacher, Art and design lead

Before we start....



36%
of 15–24-year-olds
in the UK feel anxious
about maths



1 in 10
eight to 13-year-olds
in Britain suffer from
maths anxiety



THE MATHS AN~~X~~IETY TRUST

1 in 4
parents don't feel able
to teach their children
basic addition and
subtraction without
a calculator



1 in 5
parents suffer from
arithmophobia –
a fear of numbers



Maths Anxiety in numbers

40%
of parents
wouldn't be able to
show their children how
to split a restaurant
bill with friends



Women are more
than twice as anxious
as men about using
maths and numbers



only 26%
of undergraduate
students have the
numerical skills and
understanding necessary
for daily life and work



Source: 'A Guide to Tackling Maths Anxiety', insights from The Power of Maths Roundtable (2019). Reprinted with permission of Pearson.



Tips to overcome Maths Anxiety at Home

- **Ensure regular practice happens 'little and often'**
10 minutes of practice every day, is much better than a gruelling 45-minute maths session on a Sunday evening.
- **Practice only on topics which have been taught already**
Homework works best when it follows up on already attempted work. This will be more effective if revised from work done in class on the same day.
- **Make maths part of everyday life**
Think of ways to incorporate maths learning into everyday activities.
- **Make sure maths is interesting and relevant for your child**
Board and computer games and even sports contain elements of maths. Make maths fun!
- **Don't pass on your Maths Anxiety**
Allow your child to talk openly about their Maths Anxiety
Getting your child to share and verbalise their feelings about maths is very important, as something can be done to help their struggles if you know about it.
- **Teach your child to ask about things they don't understand**
As important in the classroom as it is at home. If your child is not encouraged to ask questions, they may bottle up their anxiety and fear.
- **Communicate with your child's teacher**
You need to share information about your child's Maths Anxiety with their teacher. This will enable you to help them sooner!
- **Remain calm when it comes to Maths Anxiety**
We all know that it is not easy to remain calm with your own child as the relationship can become strained.
- Praise success, no matter how small this may be and not just for getting things right but for effort and progress as well.

What correlation is there between scores on the MTC and KS2 SATS tests?

- Pupils who scored 19 or above (out of 25) on the Year 4 MTC almost all achieved the expected standard in the KS2 SATS.
- Of those who scored 13 or below on the MTC, almost none achieved the expected standard in the SATS.
- Of those scoring between 14 and 18 marks on the MTC, about half of the pupils achieved the expected KS2 standard.
- The mean score of those with full marks in the MTC was 110.

This might suggest that it is possible to predict at the end of Year 4 (with a reasonable degree of certainty) which pupils are likely to achieve the expected standard at the end of Year 6.

**Mark Dawes, Cambridge Maths Hub, [Multiplication Tables: from Year 4 to Year 7](#)
December 2024**

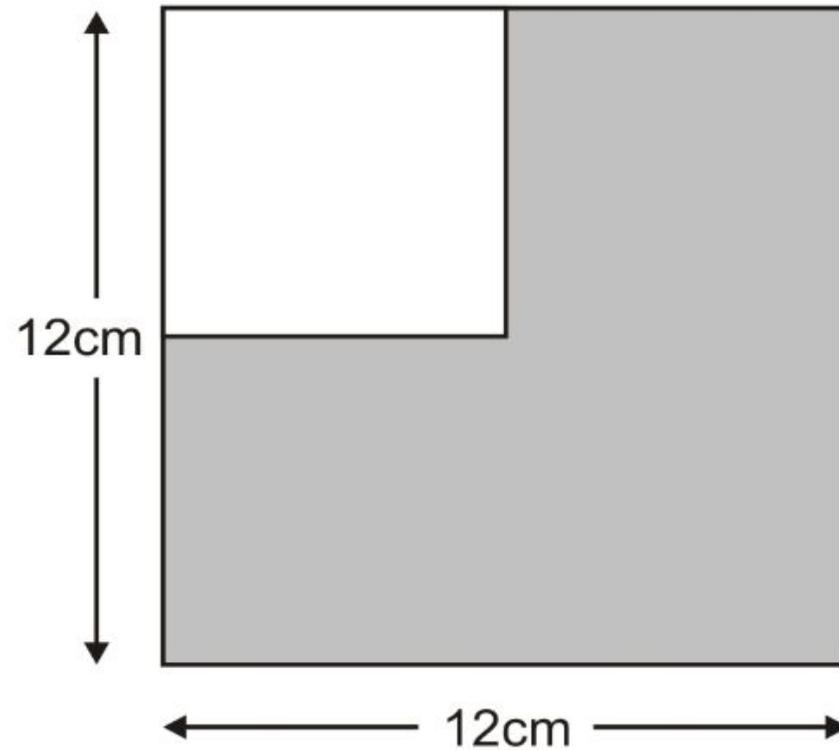
Children who are not fluent in their times tables by the end of Year 4 will struggle to access the Year 5 and Year 6 curriculum, making learning new skills and concepts far more difficult.

Professor Jenny Field: ‘the ability to retrieve some basic mathematical facts without effort, including times tables, decreases cognitive load’.

Here are some example questions from the KS2 SATs to illustrate this:

A white square is painted in one corner of a grey square.

Each side of the white square is **half** the length of a side of the grey square.



Not actual size

What is the area of the white square?

Tick the fractions **less than** $\frac{5}{8}$

$$\frac{1}{2}$$

$$\frac{2}{8}$$

$$\frac{3}{4}$$

$$\frac{7}{16}$$

$$\frac{24}{32}$$



The International Space Station orbits the Earth at a height of 250 miles.

What is the height of the International Space Station in **kilometres**?

Use 8 kilometres equals 5 miles.

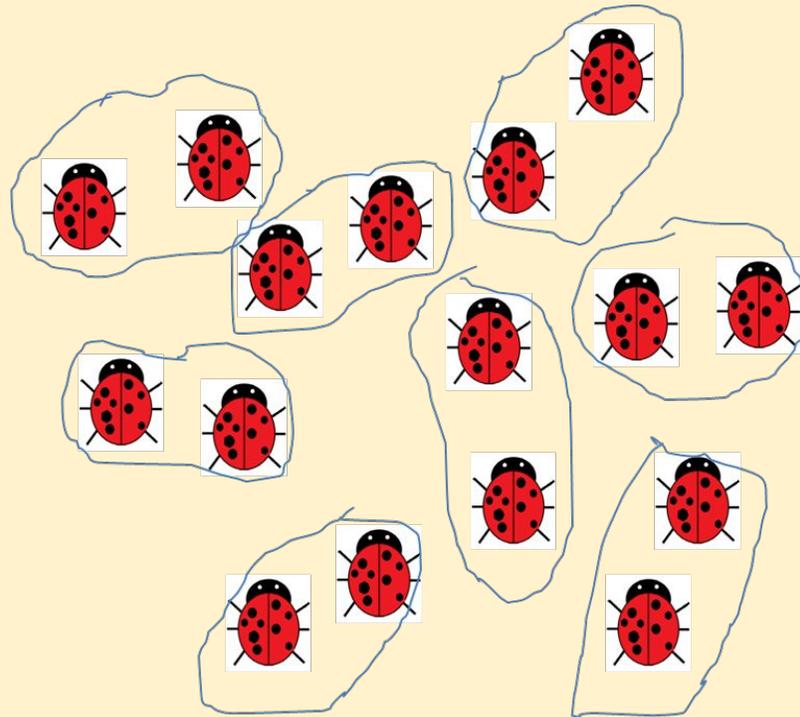
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Times Tables are vital to the curriculum throughout school

Reception and Year 1

Some children may start grouping objects in twos

Some children may count on or back in fives and tens



Times Tables are vital to the curriculum throughout school

Year 2

Know and recall multiplication and division facts for 2,5 and 10s

$$2 \times 5 = 10$$

$$5 \times 2 = 10$$

$$10 \div 2 = 5$$

$$10 \div 5 = 2$$

Times Tables are vital to the curriculum throughout school

Year 3

Know and recall multiplication and division facts for 3, 4 and 8

$$3 \times 5 = 15$$

$$5 \times 3 = 15$$

$$15 \div 3 = 5$$

$$15 \div 5 = 3$$

$$24 \times 3$$

Times Tables are vital to the curriculum throughout school

Year 4

*Know and recall multiplication and division facts for 6, 7, 9, 11 and
12*

$$3 \times 12 = 36$$

$$12 \times 3 = 36$$

$$36 \div 3 = 12$$

$$36 \div 12 = 3$$

$$274 \times 7$$

$$673 \div 7$$

$$23 \times 10 \times 3$$

Times Tables are vital to the curriculum throughout school

Year 5

Children are expected to be fluent in their times tables up to 12x by the end of Year 4.

- *Know and recall squared and cubed numbers (3×3 , $3 \times 3 \times 3$)*
 - $4,623 \times 45$
 - $4724 \div 8$
 - 40×700
 - 5×90
- What is one twelfth of 36?
 - Equivalent fractions

Times Tables are vital to the curriculum throughout school

Year 6

Children are expected to be fluent in their times tables up to 12x by the end of Year 4.

$$3624 \times 76$$

$$3624 \div 65$$

What is nine tenths of 70?

What is 60% of 300?

What is 71% of 1800?

Ratio

“Leaving primary school with a fundamental grasp of basic numeracy is as important as leaving being able to read. And just as the phonics check has helped more children learn to read, this will ensure more pupils know their times tables.”

Nick Gibb, Schools Minister



Year 4 Multiplication Tables Check (MTC)

'By the end of year 4, pupils should have memorised their multiplication tables up to and including the 12 multiplication table and show precision and fluency in their work'.

National Curriculum 2014

The MTC is a statutory KS2 assessment to be taken by pupils at the end of Year 4. This sits alongside the existing end of KS2 SATs assessments in Year 6.



- The MTC is focused on the fluent recall of multiplication facts (4×9).
- The MTC will be delivered as an online, on-screen digital assessment and should take less than 5 minutes to complete. This will be taken in school on either a desktop computer or a tablet.
- The MTC will happen between within a two-week window starting on Monday 1st June. As RPS has an additional half term week, the check will be happening the **week beginning Monday 8th June.**

What will the assessment look like?

The assessment will take place in June.

The children will be expected to answer 25 multiplication questions based on all tables up to 12x.

The children will be expected to do this in 6 seconds or less, meaning that quick recall of tables rather than working them out is **essential**.

The test will be scored automatically and will be marked out of 25. Data will be reported back to schools, parents and pupils as a score out of 25.

Children will only be considered to be fluent in their times tables if they achieve **full marks** in the assessment.

There is a 'Try it Out' practice run before the actual assessment.

An example...

PRACTICE Try it out Time left: 1

$1 \times 12 =$

1	2	3
4	5	6
7	8	9
	0	Enter

A screenshot of a digital practice interface. At the top left, the word "PRACTICE" is in a dark box. In the center, "Try it out" is written. At the top right, "Time left: 1" is shown. The main area displays the equation "1 x 12 =" followed by a rectangular input box. Below the input box is a numeric keypad with buttons for digits 1-9, 0, a backspace icon, and an "Enter" button.

Access Arrangements

Access arrangements can be made for children who:

- have an Education, Health and Care (EHC) plan
- have an ASI (additional SEND support)
- have English as an additional language and have limited fluency in English

The timer can be hidden and a break can be given between each question, but the timing remains at 6 seconds for all children regardless.

What if my child does not achieve full marks in the MTC?

The MTC will serve as a measure of how well children understand and can recall their times table knowledge.

Times tables are vital to the Year 5 and Year 6 curriculum and gaps in their knowledge will hold them back when completing work in Years 5 and 6.

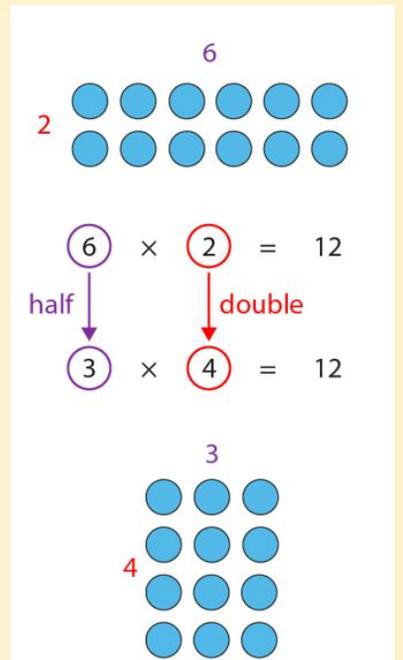
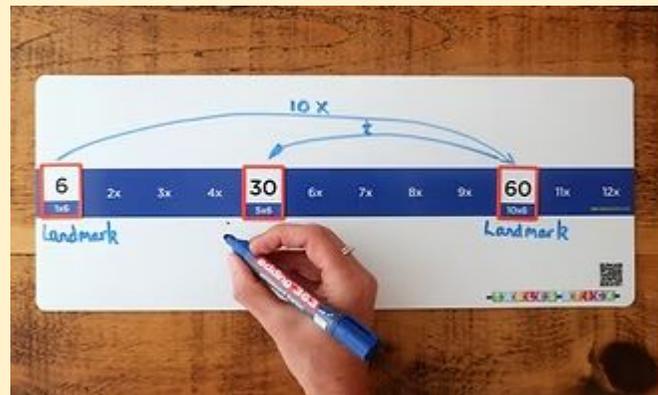
The MTC will serve as a helpful tool for teachers and schools in identifying children with gaps in their mathematical knowledge.

What are we doing to prepare children in school?

Times tables are taught as part of your child's maths lessons. This includes teaching the tables as well as fluency work to apply this learning and improve speed of recall.

All children have access to a Times Table Rockstars account. This is an excellent online game where children are encouraged to practice their tables in a competitive way against peers, themselves or other members of the school.

Your child can work on their times tables awards.



How can you help at home?

Method of learning	Useful links
Online games	<p><u>Times Tables Rockstars: https://play.ttrockstars.com</u></p> <p><u>Hit the Button: https://www.topmarks.co.uk/maths-games/hit-the-button</u></p> <p>White Rose App - 2x 5x 10x Times tables - 'beat Siri'</p>
Paper based activities/games	<p>How Close to 100? <u>https://www.youcubed.org/tasks/how-close-to-100/</u></p> <p>Pepperoni pizzas <u>https://www.youcubed.org/tasks/pepperoni-pizza/</u></p> <p>Flash cards with a difference <u>https://www.youcubed.org/tasks/math-cards/</u></p> <p>Speed grids Make cards to stick around the house</p>
Mock test resource for practice at home	<p><u>https://urbrainy.com/mtc/test</u></p>



How can you help at home?

Method of learning	Useful links
Songs	<p>Super movers: https://www.bbc.co.uk/teach/supermovers/times-table-collection/z4vv6v4</p> <p>Times tables cover songs: https://youtube.com/c/laughalongandlearn</p>
Books and other resources	<p>Times tables Fables - a story to help 'tricky' tables facts to stick.</p> <p>Times tables stick - a way to help children to retain their times tables, and derive them from facts they know. https://www.youtube.com/watch?v=ljS0x6QwiJE</p>

And finally...

Any questions? Please email the school office if I can help further.

Thank you for your time and support - it will really help your child!

Further reading if you're interested and have the time:

<https://home.oxfordowl.co.uk/maths/primary-multiplication-division/help-with-times-tables/>

