

Welcome!

Years 4 Times Table Parents
Information Session
Monday 6th February

During this presentation, we will look at:

- ❑ Why are times tables so important (because they really are!)
- ❑ The purpose of the check
- ❑ When and how it will be carried out
- ❑ Arrangements for the check
- ❑ The content and structure of the check
- ❑ What we are doing at school to help prepare the children
- ❑ How you can support your child at home
- ❑ Useful resources

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 6

$$3 \times 5 = 15$$

$$5 \times 3 = 15$$

$$15 \div 3 = 5$$

$$15 \div 5 = 3$$

$$24 \times 3$$

Times Tables are vital to the curriculum throughout school

Year 4

Know and recall multiplication and division facts for 7,8, 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

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.

“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

What is the purpose of the multiplication times table check?

- To establish whether year 4 pupils can fluently recall their multiplication tables.
- To help schools to identify pupils who requires additional support.
- There is no 'pass' rate or threshold.
- The DfE will create a report on overall results across all schools in England to measure improvements.

When will the multiplication times table check be carried out?

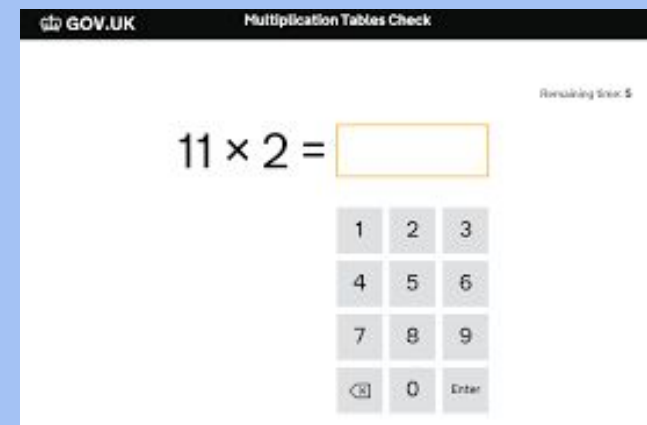
- ❑ All eligible Year 4 pupils in England will take the check within a 3 week window.
- ❑ It is up to individual schools to decide how the check is administered.
- ❑ At Carr, we will administer the test in the w/c 5/6/22

How will the multiplication times table check be carried out and what will it look like?

- ❑ The check will be **fully digital** and take place on screen.
- ❑ Answers will be entered using a keyboard or by pressing digits or touchscreen using an on-screen number pad.
- ❑ We are currently working with the children to find the most comfortable and efficient method for them.

How will the multiplication times table check be carried out and what will it look like?

- ❑ Under standard administration, the multiplication check will take **less than 5 minutes per pupil**.
- ❑ Children will get **6 seconds** from the time the question appears to input their answer.
- ❑ The **6 seconds** per answer means that children must be able to read, recall and enter their response within that time. Whatever is written in the answer box at the end of 6 seconds will be counted as the answer i.e. if the student intends to write 144 and only 14 is typed when the timer ends, their recorded answer is 14.



The screenshot shows the 'Multiplication Tables Check' interface on the GOV.UK website. At the top, it says 'GOV.UK Multiplication Tables Check'. Below that, it says 'Remaining time: 5'. The main question is '11 x 2 =' followed by an empty input box. Below the input box is a numeric keypad with buttons for digits 1-9, 0, and an 'Enter' button.

How will the multiplication times table check be carried out and what will it look like?

- ❑ There will be **25 questions** with a 3 second pause in-between questions.
- ❑ It will be important that the children work accurately yet efficiently.
- ❑ Children will be with familiar adults from school- it is not administered by visitors.

What will it look like?

- ❑ Each pupil will be **randomly assigned** a set of questions.
- ❑ Children will **only face multiplication statements** in the check (not related division facts).
- ❑ Pupils will not see their individual results when they complete the check, however this will be reported to parents.

What will it contain?

- ❑ There will **always** be questions from the 3, 4, 5, 6, 7, 8, 9, 11 and 12 multiplication tables in each check.
- ❑ There will be **no** questions from the 1 times table (i.e 1×8 or 8×1).
- ❑ The **6, 7, 8, 9** and **12** times tables are **more likely** to be asked.
- ❑ There will only be a maximum of 7 questions from the 2, 5 and 10 times tables.
- ❑ Reversal of questions will **not** feature in the same check for example $8 \times 6 = 6 \times 8$

What will it contain?

- The STA state that they are classifying the multiplication tables by the first number in the question. For example, 8×3 would fall within the 8 times table.

- The following 11 multiplication questions are more likely to be asked:
 - $6 \times 6, 6 \times 7, 6 \times 8, 6 \times 9, 6 \times 12$
 - $7 \times 8, 7 \times 9, 7 \times 12$
 - $8 \times 9, 8 \times 12$
 - 12×12

5.2.1 Table 1 – Multiplication table limits in the MTC

| Multiplication Table | Minimum number of items in each form | Maximum number of items in each form |
|----------------------|--------------------------------------|--------------------------------------|
| 1 | Not applicable | Not applicable |
| 2 | 0 | 2 |
| 3 | 1 | 3 |
| 4 | 1 | 3 |
| 5 | 1 | 3 |
| 6 | 2 | 4 |
| 7 | 2 | 4 |
| 8 | 2 | 4 |
| 9 | 2 | 4 |
| 10 | 0 | 2 |
| 11 | 1 | 3 |
| 12 | 2 | 4 |

What happens before the check?

On the day of the check...

- Children can and will have practised before taking the check.
- There will be a 'try it out' area the children can use to become familiar with the timings and layout of the check.
- Children with additional needs, who have similar provision in their day-to-day learning at school, may be allotted specific arrangements.

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.

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

Teachers test times tables **daily**, to check where children are up to.

How can you help at home?

| Method of learning | Useful links |
|------------------------------|---|
| Online games | <p><u>Times Tables Rockstars:</u> <u>https://play.ttrockstars.com</u></p> <p><u>Hit the Button:</u> <u>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</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 | <p>Times tables Fables - a story to help 'tricky' tables facts to stick.</p> |

Heat Maps!

An individual letter will be sent home to parents of all children taking part in the test. This contained a 'Heat map' which shows exactly which times tables your child is confident in (green) or struggling in (amber/red).

Please use your child's heat map to inform you on which times tables they need to focus on.

| | 10 | 2 | 5 | 3 | 4 | 8 | 6 | 7 | 9 | 11 | 12 |
|----|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 10 | 10 × 10 | 10 × 2 | 10 × 5 | 10 × 3 | 10 × 4 | 10 × 8 | 10 × 6 | 10 × 7 | 10 × 9 | 10 × 11 | 10 × 12 |
| 2 | 2 × 10 | 1.07s | 2 × 5 | 2 × 3 | 2 × 4 | 2 × 8 | 2 × 6 | 2 × 7 | 2 × 9 | 2 × 11 | 2 × 12 |
| 5 | 5 × 10 | 5 × 2 | 5 × 5 | 5 × 3 | 5 × 4 | 5 × 8 | 5 × 6 | 5 × 7 | 5 × 9 | 5 × 11 | 5 × 12 |
| 3 | 3 × 10 | 3 × 2 | 3 × 5 | 3 × 3 | 3 × 4 | 3 × 8 | 3 × 6 | 3 × 7 | 3 × 9 | 3 × 11 | 3 × 12 |
| 4 | 4 × 10 | 4 × 2 | 4 × 5 | 4 × 3 | 4 × 4 | 4 × 8 | 4 × 6 | 4 × 7 | 4 × 9 | 4 × 11 | 4 × 12 |
| 8 | 8 × 10 | 8 × 2 | 8 × 5 | 8 × 3 | 8 × 4 | 8 × 8 | 8 × 6 | 8 × 7 | 8 × 9 | 8 × 11 | 8 × 12 |
| 6 | 6 × 10 | 6 × 2 | 6 × 5 | 6 × 3 | 6 × 4 | 6 × 8 | 6 × 6 | 6 × 7 | 6 × 9 | 6 × 11 | 6 × 12 |
| 7 | 7 × 10 | 7 × 2 | 7 × 5 | 7 × 3 | 7 × 4 | 7 × 8 | 7 × 6 | 7 × 7 | 7 × 9 | 7 × 11 | 7 × 12 |
| 9 | 9 × 10 | 9 × 2 | 9 × 5 | 9 × 3 | 9 × 4 | 9 × 8 | 9 × 6 | 9 × 7 | 9 × 9 | 9 × 11 | 9 × 12 |

And finally...

Any questions?

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/>