

YEAR 4

TIMES TABLES CHECK



AIMS OF THIS WORKSHOP

- To achieve a stronger understanding of what the Multiplication Tables Check (MTC) is and what the expectations are
- To understand how , when and why the Multiplication Tables Check (MTC) will be administered
- To achieve a stronger understanding of how times tables is taught in Year 4
- To be provide you with a range of strategies and websites you can use with your child at home



What were the times tables expectations prior to the introduction of the Multiplication Tables Check (MTC)?

Primary-school children were expected to know all their times tables up to 12×12 by the time they reached Year 6 and they were not formally tested on them other than through multiplication questions in the Year 6 Maths SATS examinations.



What are the times tables expectations now that the Multiplication Tables Check (MTC) has been introduced?

Under the current National Curriculum, children are supposed to know their times tables by the end of Year 4, and in preparation for the MTC test.



What is the Times Tables Check/ The Multiplication Tables Check (MTC)?

The **Multiplication Tables Check (MTC)** was officially announced by the Department for Education (DfE) in September 2017.



What was the purpose of doing a pilot ?

Schools will be able to use their results to provide additional support to pupils ahead of the 2019/2020 mandatory rollout of the MTC.

The standards and testing agency will use the data to ensure that the system is operating as intended.



While the DfE have not published any verified, comparative data for the MTC Pilot, education experts have analysed the data from the MTC Pilot to provide schools with an indication of the national picture of schools that took part in the MTC sample.

BAND	AVERAGE SCORES
Top 10% of schools	21.8<
Top 25% of schools	20.4<
Top 50% of schools	18.5<
Bottom 25% of schools	<16.3
Bottom 10% of schools	<14.9

BAND	PROPORTION SCORING 25/25
Top 10% of schools	33.3%<
Top 25% of schools	24.2%<
Top 50% of schools	14.3%<
Bottom 25% of schools	<7.5%
Bottom 10% of schools	<2.5%



Do all pupils in the UK need to take the MTC?

From the 2019/20 academic year onwards, all state-funded maintained schools and academies (including free schools) in England will be required to administer the MTC to Year 4 pupils.



What if my child has a statement of special educational needs?

- Children with special educational needs will be provided for when taking the MTC e.g., extra time, an adult to read out the question, an enlarged screen, etc.
- Some pupils may be withdrawn from the assessments.



When will the Multiplication Tables Check be administered?

- All Year 4 children will have their multiplication skills formally tested in the Summer Term of this academic year 2019-2020.
- Schools will have a 3 week window to administer the MTC.
- Teachers will have the flexibility to administer the check to individual pupils, small groups or a whole class at the same time.



How will the MTC data be used now that the check is compulsory?

- School-level results and individual pupil results will be made available to schools. This will allow schools to provide additional support to pupils who require it.
- As is the case with the phonics check (KSI), school-level results will be available to selected users including Ofsted.
- National results will be reported by the Department for Education (DfE) to track standards over time.
- National and local authority results will be reported by the DfE to allow schools to benchmark the performance of their pupils.



How will the Multiplication Tables Check be administered?

Children will be tested using an on-screen check (on a computer or a tablet), where they will have to answer multiplication questions against the clock.

Calculators and wall displays that could provide children with answers will be removed from the room the MTC is taking place in.

The test will last no longer than 5 minutes and is similar to other tests already used by primary school.

It will be automatically scored, and results will be available to schools once the assessment window closes at the end of the week assessment period.



How will the Multiplication Tables Check be administered? (continued...)

Children will have 6 seconds to answer each question in a series of 25 questions.

This allows pupils the time required to demonstrate their recall of multiplication tables, whilst limiting pupils' ability to work out answers to the questions.

Each question will be worth one mark and be presented to the child in this format:

$$_ \times _ = \underline{\quad}$$



How will the Multiplication Tables Check be administered? (continued...)

The Year 4 programme of study for mathematics (National Curriculum) also states, 'pupils should be taught to recall multiplication and division facts for multiplication tables up to 12×12 '.

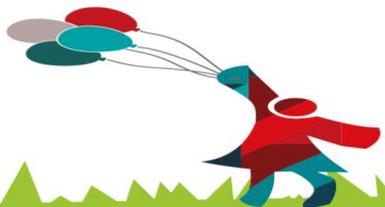
However the MTC only assesses the instant recall of multiplication facts. Multiplication and division in a wider context will continue to be assessed through the KS1 and KS2 mathematics assessments.



How will the Multiplication Tables Check be administered? (continued...)

Questions will be selected from the 121 number facts that make up the multiplication tables from 2 to 12, with a particular focus on the 6, 7, 8, 9 and 12 times tables as they are considered to be the most challenging.

Each question will only appear once in any 25-question series, and children won't be asked to answer reversals of a question as part of the check e.g., (so if they've already answered 3×4 they won't be asked about 4×3).



How will the Multiplication Tables Check be administered? (continued...)

Once the child has inputted their answer on the computer / device they are using, there will be a three-second pause before the next question appears.

Children will be given the opportunity to practise answering questions in this format before the official check begins.



What is the pass mark for the test?

At present the DfE have not issued an official "pass mark".

As a school we are aiming for a pass mark between 22 -25.

Watch the video for additional information <https://youtu.be/GhAJMJUsAac>



How is the school preparing pupils for the MTC? How is multiplication taught in Year 4?

- Through songs and mnemonics.
- Lunchtime Times Tables Rockstars clubs.
- Using knowledge of key table facts (e.g. doubling, compensating).
- Multiplication games.
- Identifying patterns using numicon.
- Daily recall tasks.
- Extra multiplication tables sessions in Year 3 and 4 during Quick Maths.

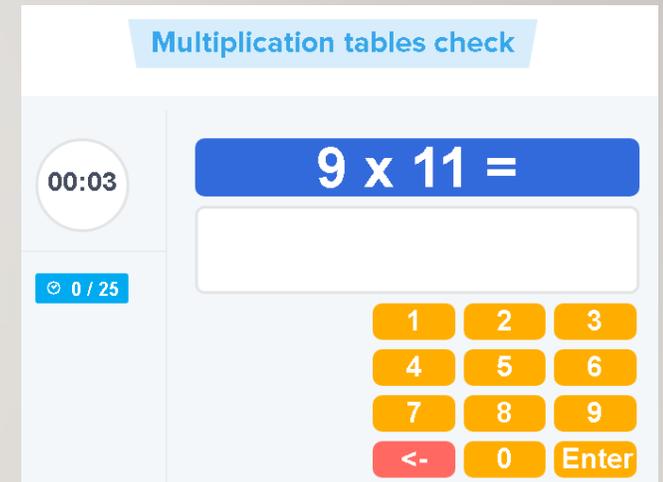


What else is the school doing to prepare pupils for the MTC?

BASELINE TEST

<https://www.timestables.co.uk/multiplication-tables-check/>

- In school test
- Your child can also use this online tool to practise at home
- Administered at the beginning of the year to assess each child's starting point and gaps in learning



What else is the school doing to prepare pupils for the MTC?

TIMES TABLES ROCKSTARS

<https://ttrockstars.com/login>

- At home and in-school learning platform
- Get your child to practise daily for 15 minutes



What else is the school doing to prepare pupils for the MTC?

SUPERHERO TIME TABLES CHALLENGE



SUPERHERO



$10 \times 6 =$	$8 \times 6 =$
$6 \times 6 =$	$2 \times 6 =$
$4 \times 6 =$	$6 \times 3 =$
$6 \times 1 =$	$6 \times 9 =$
$5 \times 6 =$	$7 \times 6 =$
$6 \times 0 =$	$6 \times 11 =$

$84 \div 7 =$	$63 \div 7 =$
$42 \div 7 =$	$14 \div 7 =$
$77 \div 7 =$	$56 \div 7 =$
$21 \div 7 =$	$35 \div 7 =$
$70 \div 7 =$	$49 \div 7 =$
$28 \div 7 =$	$14 \div 7 =$

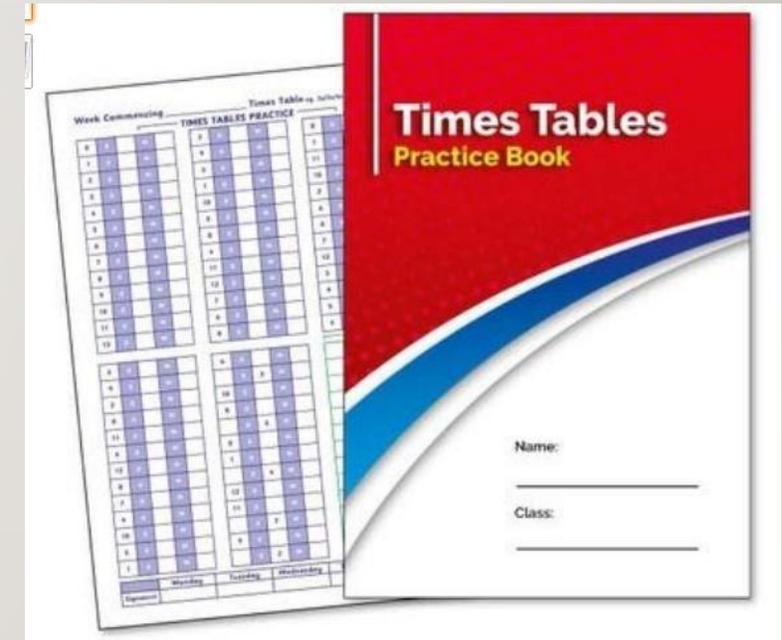


FOR
EVERY
CHILD'S
BRIGHT
FUTURE

What else is the school doing to prepare pupils for Multiplication Tables Check?

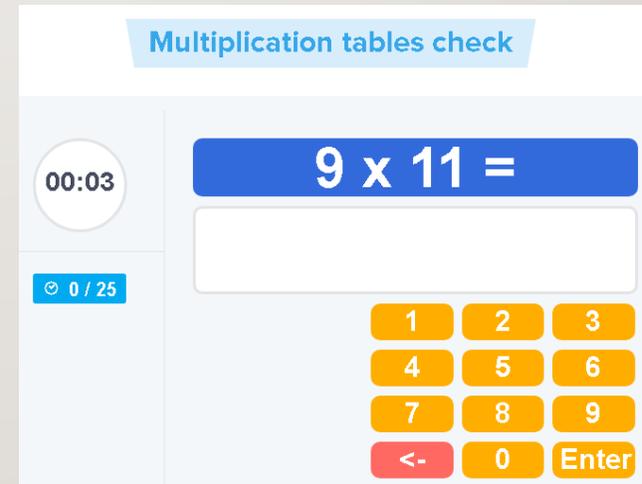
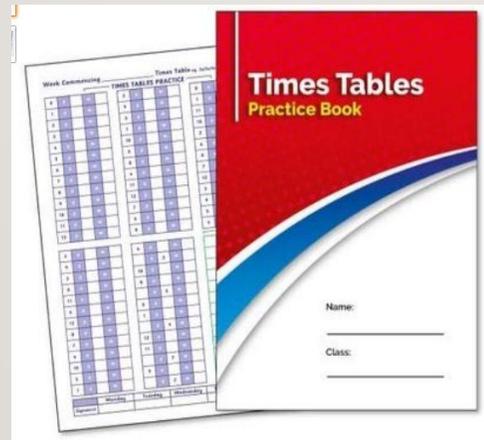
TIMES TABLES HOMEWORK BOOKLETS

- At home and in-school learning tool
- Get your child to practise weekly



What can you do at home to support your child?

Times Tables Rock Stars <https://ttrockstars.com/login>
<https://www.timestables.co.uk/multiplication-tables-check/>



Useful Websites

NATIONAL CURRICULUM

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/335158/primary_national_curriculum_-_mathematics_220714.pdf

DEPARTMENT OF EDUCATION (DFE)

<https://www.gov.uk/guidance/multiplication-tables-check-development-process>



Useful Websites

- MATHS GAMES [HTTP://WWW.MATHS-GAMES.ORG/TIMES-TABLES-GAMES.HTML](http://www.maths-games.org/times-tables-games.html)
- COOL MATHS [HTTPS://WWW.COOLMATHGAMES.COM/](https://www.coolmathgames.com/)
- IXL [HTTPS://UK.IXL.COM/](https://uk.ixl.com/)
- TIMES TABLES ROCK STARS [HTTPS://TTROCKSTARS.COM/](https://ttrockstars.com/)
- TOPMARKS [HTTPS://WWW.TOPMARKS.CO.UK/](https://www.topmarks.co.uk/)
- DFE VIDEO - [HTTPS://YOUTU.BE/GHAJMJUSAAC](https://youtu.be/GHAJMJUSAAC)



Questions?



Thank you very much for taking the time to
attend this workshop!

*Should there be any further developments in regards to the MTC, we will keep
you updated.*

