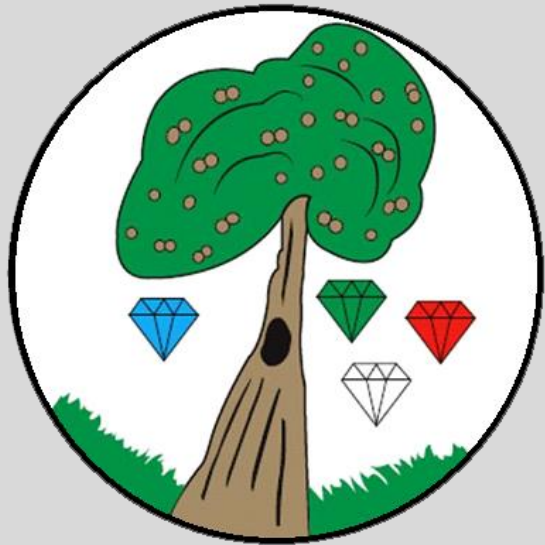


YEAR 4 TIMES TABLES CHECK WORKSHOP FOR PARENTS/CARERS 2023

Melissa van der Ree – **Assistant Headteacher**
(& Year 4 class teacher)



Keyworth Primary School

Part of the Bessemer and Keyworth Federation

www.keyworth.southwark.sch.uk

Address: Faunce Street, London, SE17 3TR

Tel: 020 7735 1701

E-Mail: office@keyworth.southwark.sch.uk

Executive Headteacher: Sarah Beard

Head of School: Ray Capper

WELCOME!

- We welcome parents/carers to attend workshops in order to share information.
- This workshop will explain the multiplication check that Year 4 pupils will be taking in June.
- **There is a fair amount of information contained in this workshop,** so please take your time to look at the details after the workshop. If you have any questions, please email the school office who will be able to direct your questions/queries to the relevant person.

WHAT IS THE PURPOSE OF THE MULTIPLICATION TABLES CHECK?

- To determine whether Year 4 pupils can fluently recall their multiplication tables.
- To help schools to identify pupils who require 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. <https://www.youtube.com/watch?v=ct5cDctLVTI>

WHEN WILL THE MULTIPLICATION TABLES CHECK BE CARRIED OUT?

- There will be 3-week window in June for the administration of the check.
- There is no set day to administer the check.
- Children are not expected to take the check at the same time.
- All eligible* Year 4 pupils England will be required to take the check.

*If a pupil is not entered for the check, the school should inform the pupil's parents.

HOW WILL THE MULTIPLICATION TABLES CHECK BE CARRIED OUT?

- The check will be fully digital and take place on screen.
- Children will be able to use laptops, desktops and tablets.
- Answers will be entered using a keyboard or by pressing digits using a mouse or touchscreen using an on-screen number pad.

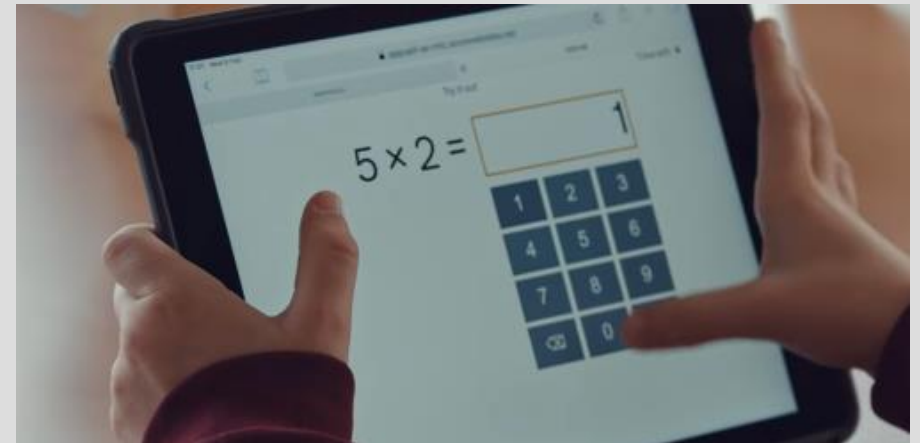
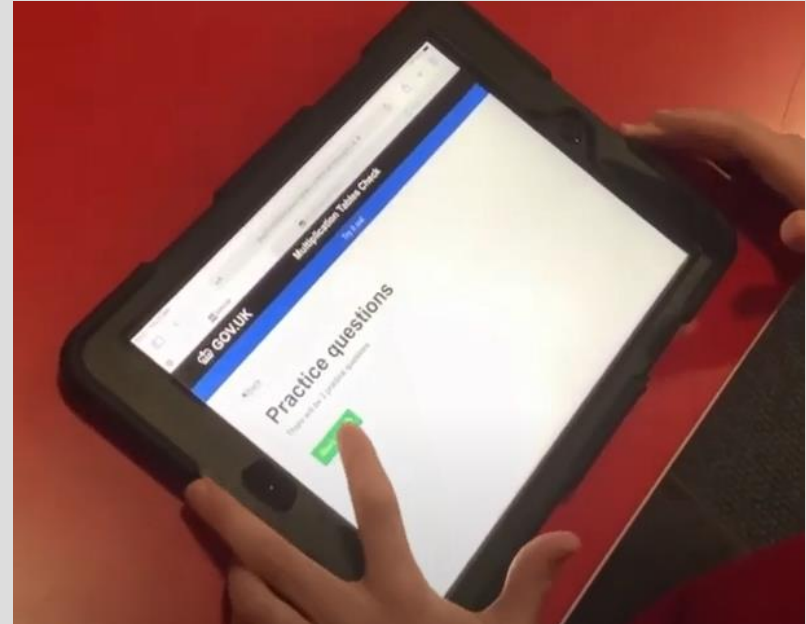
Try it out Time left: 6

$5 \times 6 =$

1	2	3
4	5	6
7	8	9
⌫	0	Enter

HOW WILL THE MULTIPLICATION TABLES CHECK BE CARRIED OUT?

- 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.
- There will be **25 questions** with a **3 second pause** in-between questions.



SPECIFIC ARRANGEMENTS FOR MULTIPLICATION TABLES CHECK

Children with additional needs, who have similar provision in their day-to-day learning at school, may be allotted specific arrangements, including:

- Colour contrast;
- Font size adjustment;
- 'Next' button (alternative to 3-second pause);
- Removing on-screen number pad;
- An adult to input answers;
- Question reader;
- Audible time alert.

THE QUESTIONS

- Each pupil will be randomly assigned a set of questions.
- There will be repeated questions across different checks each year, but no more than 30% of questions will be repeated in any two checks.
- 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

DURING THE CHECK

- 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.

QUESTIONS MORE LIKELY TO APPEAR

The following 11 multiplication questions are more likely to be asked:

6×6

12×12

6×7

8×12

6×8

8×9

6×9

8×9

6×12

7×12

7×8

7×9

MULTIPLICATION TABLE LIMITS

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.**

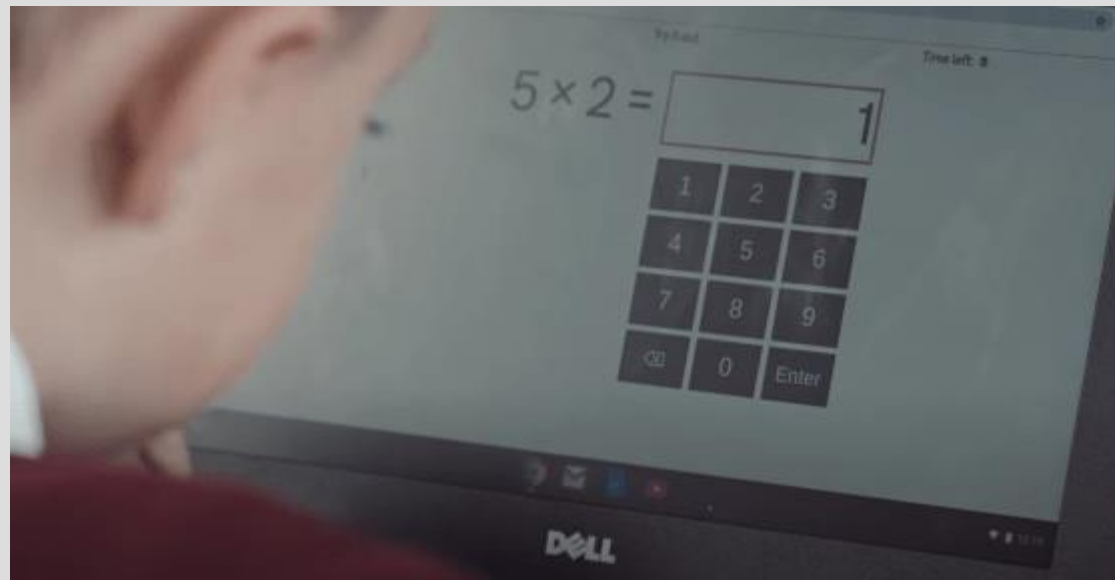
5.2.1 Table 1 – Multiplication table limits in the MTC

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

BEFORE THE CHECK

Children can practise 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.



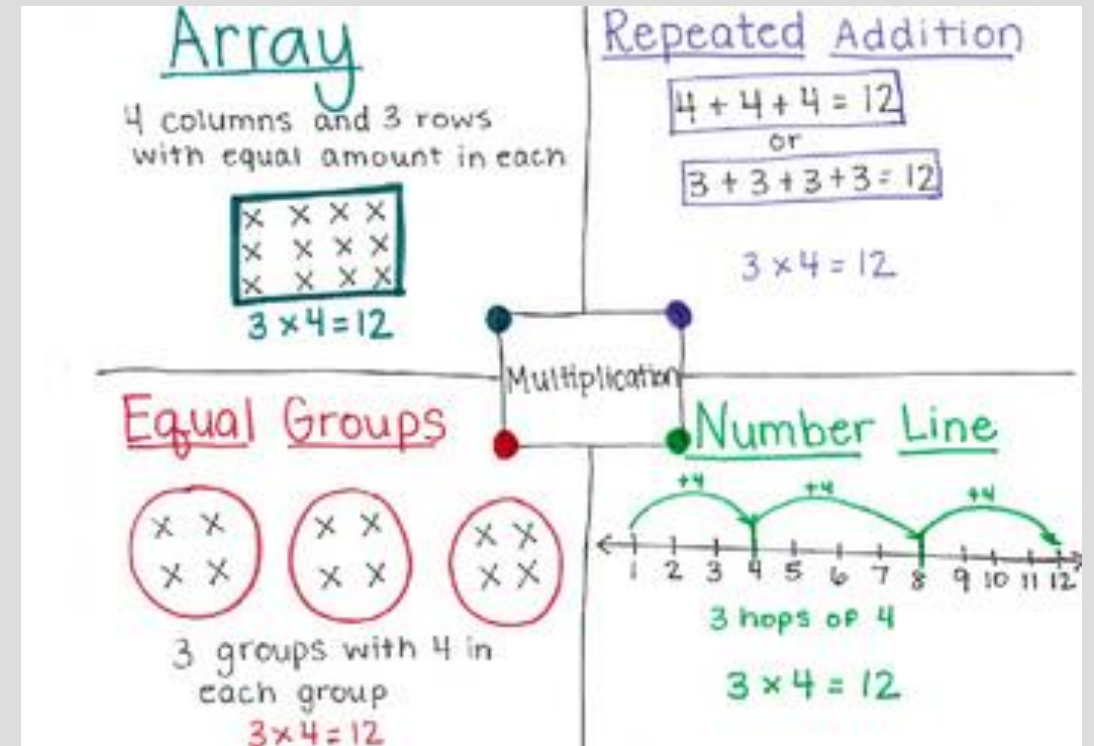
HOW THE SCHOOL TEACHES TIMES TABLES SO PUPILS LEARN INSTANT RECALL

Teaching times tables facts first:

- Counting and looking for patterns
- Repeated addition
- Multiplication is commutative
- Multiplication is the inverse of division
- Number families

Use of different representations

- Concrete manipulatives such as counters or multilink cubes
- Pictorial representations such as arrays



COUNTING AND LOOKING FOR PATTERNS

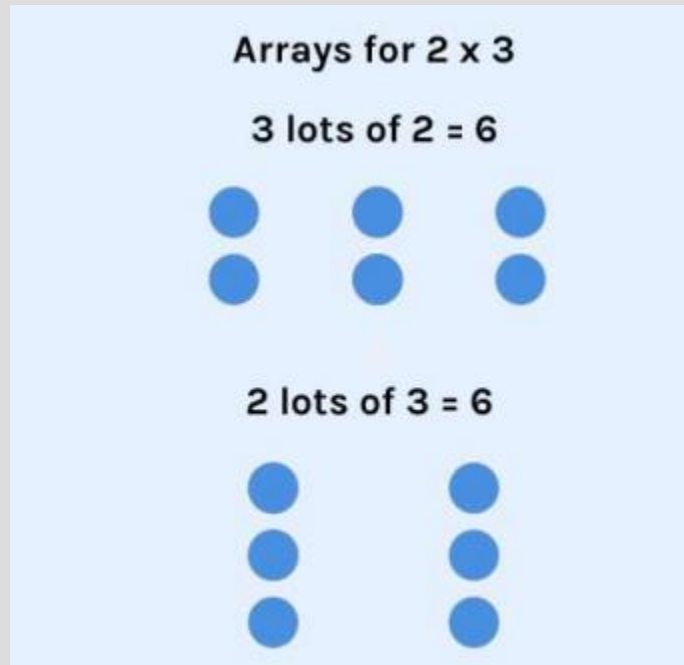
Counting in 2s 2, 4, 6, 8, 10...

- Ensure children have a strong understanding of counting in groups first.
- When children are secure with counting, they can then look for patterns.



MULTIPLICATION IS COMMUTATIVE

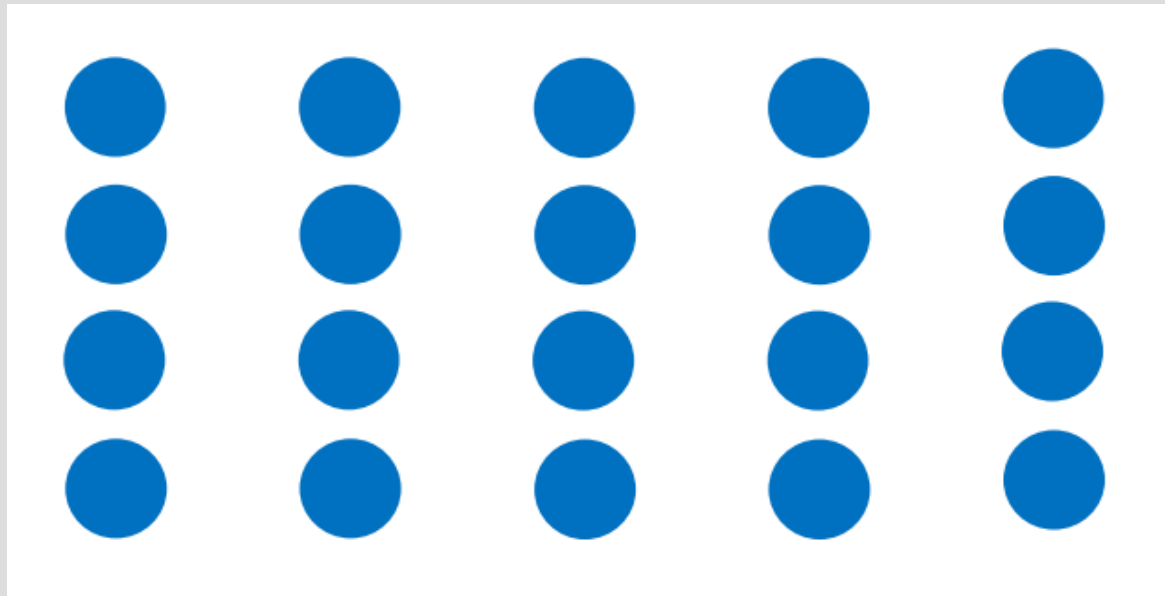
3×2 is the same as 2×3 . Children need to understand that multiplication can be completed in any order to produce the same answer. Sometimes this link needs to be made explicit.



MULTIPLICATION IS THE INVERSE OF DIVISION

$20 \div 5 = 4$ can be worked out because $5 \times 4 = 20$.

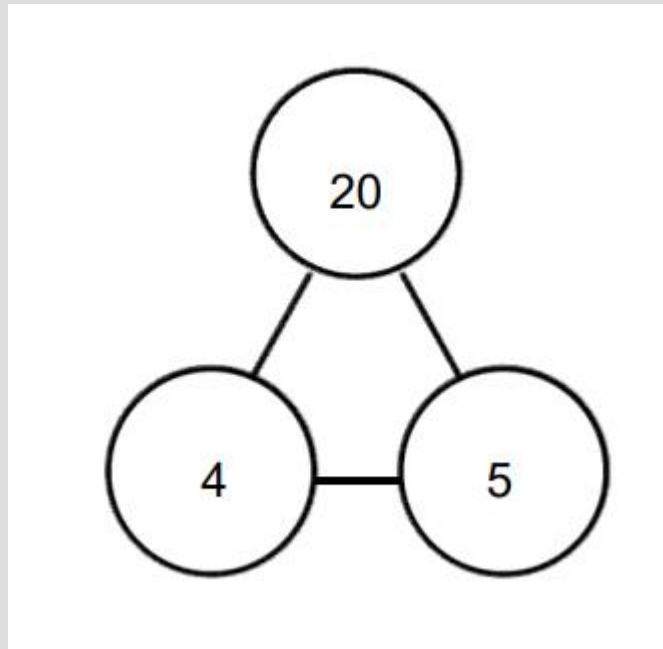
Using pictorial representations (such as arrays) is useful here for children to see the link between multiplication and division..



NUMBER FAMILIES

$$4 \times 5 = 20, 5 \times 4 = 20, 20 \div 5 = 4, 20 \div 4 = 5$$

Due to their commutative understanding, children should also be able to see whole number families. For many children this will need to be pointed out and discussed.



USING KNOWN FACTS

$$7 \times 12 = ?$$

$$\text{I know } 7 \times 11 = 77$$

$$\text{Therefore, } 77 + 7 = 84$$

By using known facts from 'easier' times tables, children should be able to find answers with increasing speed.

USING KNOWN FACTS

You can use this free multiplication table check which will give you an idea of the speed at which children will be asked questions:

<https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Check>

REMEMBER THIS ABOUT THE MULTIPLICATION TABLES CHECK

- The check will focus on what they know about times tables.
- It won't reflect their understanding of wider mathematical topics.
- The check is only 5 minutes long For most children, the check will last for a maximum of 5 minutes.
- When they have finished, they will not need to repeat the check, regardless of their final score.

TO SUMMARISE...HOW CAN YOU HELP AT HOME?

- Encourage your child to use Times Tables Rockstars regularly and monitor their usage
- Test your child throughout the day (on the way to school, on the bus, during dinner etc!)
- Complete activities on Google Classroom
- Make times tables posters for the home
- Listen to times tables songs on YouTube

ANY QUESTIONS?

Any
questions ?



AND FINALLY...

- Thank you so much for taking your time to attend this workshop.
- Keyworth's successes are because of the positive relationships the school and our families have with each other; ensuring the best for the children who arrive through our gates each day.

If you have any questions, then please email the school office who will be able to direct these to your child's teacher.

Melissa