



# Year 4 Multiplication Tables Check 2025 Presentation for Parents, Carers & Guardians

Thursday 23<sup>rd</sup> January 2025

## Important information about multiplication tables check (MTC)



EDWARD THE ELDER  
Primary School

- The MTC determines if Year 4 children can **fluently** recall their multiplication tables.
- They are designed to help schools identify which children require more support to learn their times tables.
- There is no 'pass' rate or threshold which means that, children will not be expected to re-sit the check.
- The Department for Education (DfE) will create a report about the overall results across all schools in England, not individual schools.



## When the check will take place

- There will be a **2 week window** from **Monday 2nd June** to **Friday 13<sup>th</sup> June 2025** for schools to administer the check.
- There is **no set day** to administer the check and children are not expected to take the check at the same time.
- All eligible Year 4 children in England will be required to take the check.
- Children who are absent, can complete the test another day **as long as it falls within the two-week period**.



## How the check is carried out

- The check will be **fully digital**.
- Answers can be entered using a keyboard, by pressing digits using a mouse or using an on-screen number pad. We will use the iPads and the on-screen number pad.
- Usually, the check will take less than **5 minutes** for each child.
- The children will have **6 seconds** from the time the question appears to input their answer. Whatever is in the answer box at the end of the 6 seconds is the answer that is counted.
- There will be a total of **25 questions** with a **3 second pause** in-between questions.
- There will be **3 practice questions** before the check begins.

## Specific arrangements for the check

Some children could be eligible for specific arrangements:

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



## The check questions

- Each child will be **randomly assigned** a set of questions
- There will only be **multiplication** questions in the check, not division facts.
- The 6, 7, 8, 9 and 12 times tables are **more likely** to be asked.
- Reversal of questions (e.g.  $8 \times 6$  and  $6 \times 8$ ) will not be asked in the same check.
- Children will not see their individual results when they complete the check.



## More information about the questions

The Standards and Testing Agency (STA) state that they are classifying the multiplication tables by the first number in the question. For example,  $8 \times 3$  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



## Ways we support times table knowledge in school

- Times table focus each week - counting in steps
- Quick fire questions
- Morning activity work, children have a work focused on the times table they need
- Super Heroes 3 times per week
- Mathsframe website
- Times table starter during maths lessons
- Times table themes songs
- Times table intervention group/ booster
- Times table fun facts and tricks (e.g. square numbers)

5, 6, 7, 8 ( $56 = 7 \times 8$ )

1, 2, 3, 4 ( $12 = 3 \times 4$ )

I ate (8) and ate (8) till I was sick on the floor. ( $8 \times 8 = 64$ )

6 and 8 went out on a date, they then got married when they were 48. ( $6 \times 8 = 48$ )



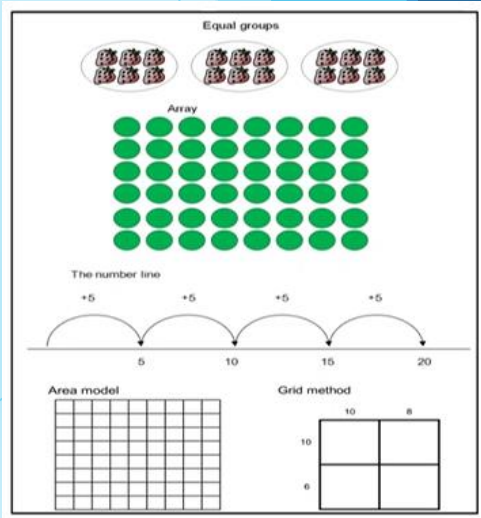


## Ways to support times table knowledge

- Count and look for patterns.
- Understand that multiplication is repeated addition.
- Remember that multiplication is commutative.
- Remember that multiplication is the inverse of division.
- Using known facts to support trickier times tables

Use different representations to represent multiplication, such as:

- Concrete manipulatives such as multilink cubes or counters.
- Create pictorial representations such as arrays.



# Counting and looking for patterns.

Example: 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.



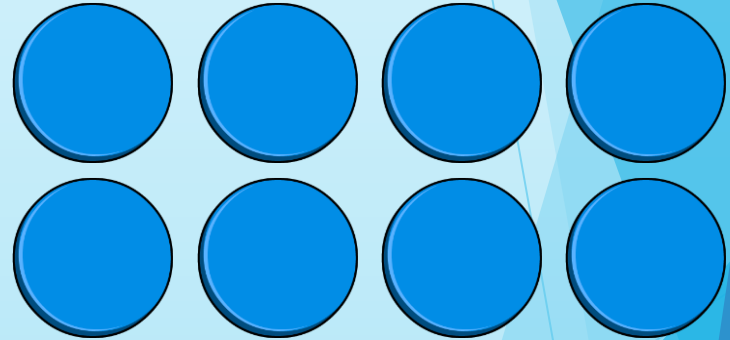
## Repeated addition



Knowing that  $2 \times 4$  is the same as  $2 + 2 + 2 + 2$



$$2 + 2 + 2 + 2 = ?$$



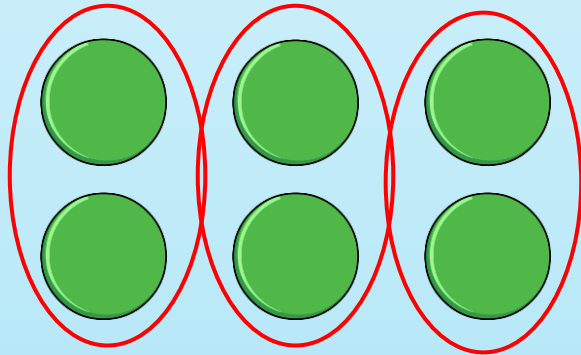
$$2 \times 4 = ?$$

# Multiplication is commutative

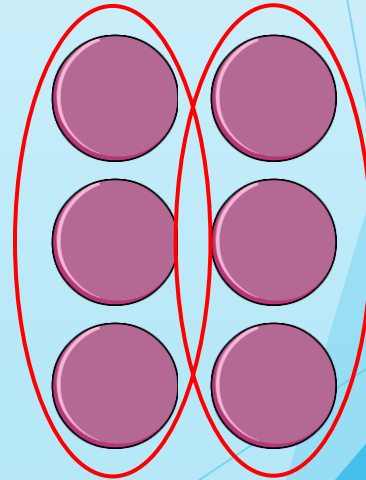


$3 \times 2$  is the same as  $2 \times 3$

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.



3 lots of 2 = 6

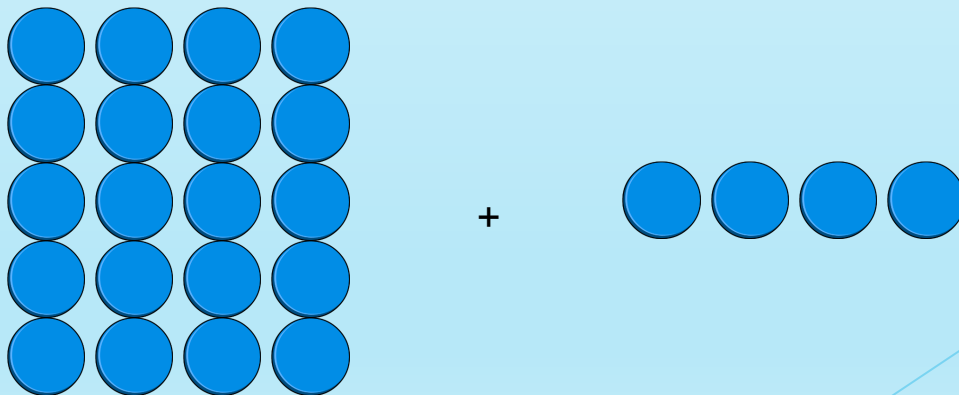


2 lots of 3 = 6

## Using known facts

$4 \times 6 = ?$   
I know  $4 \times 5 = 20$   
Therefore,  $20 + 4 = 24$

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





## Commutativity

$$4 \times 6 = 24$$

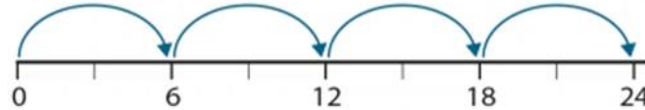
$$6 \times 4 = 24$$

$$4 \times 6 = \underline{\quad}$$

## Skip Counting

6,12,18,24

### Number line



### Picture



### An array



### Repeated addition

$$6 + 6 + 6 + 6 = 24$$

$$4 + 4 + 4 + 4 + 4 + 4 = 24$$

### Bar model



Coloured facts learnt (true fluent recall) **by the end of Year 3**  
(21 facts learnt)

**By the end of Year 4:**

15 more facts learnt to complete the 36 building block facts  
20 more facts to learn for the MTC (11x and 12x)

$2 \times 2$								
$3 \times 2$	$3 \times 3$							
$4 \times 2$	$4 \times 3$	$4 \times 4$						
$5 \times 2$	$5 \times 3$	$5 \times 4$	$5 \times 5$					
$6 \times 2$	$6 \times 3$	$6 \times 4$	$6 \times 5$	$6 \times 6$				
$7 \times 2$	$7 \times 3$	$7 \times 4$	$7 \times 5$	$7 \times 6$	$7 \times 7$			
$8 \times 2$	$8 \times 3$	$8 \times 4$	$8 \times 5$	$8 \times 6$	$8 \times 7$	$8 \times 8$		
$9 \times 2$	$9 \times 3$	$9 \times 4$	$9 \times 5$	$9 \times 6$	$9 \times 7$	$9 \times 8$	$9 \times 9$	



4 8 12 16

20 24 28 32

40 44 48





## How best to prepare your child for the check

- Remind them that the check should last no more than 5 minutes.
- If you want to go over times tables, make them fun.
- If you have any concerns, talk to your child's teacher.
- If your child has any concerns, encourage them to talk to a trusted adult (for example, yourself, their teacher).
- If you're looking to support your child further with maths at home, there are lots of good websites with free resources ...



## Websites

- [thirdspacelearning.com/blog/category/for-parents/](https://thirdspacelearning.com/blog/category/for-parents/)  
or register free for the Third Space Learning Maths Hub  
[mathshub.thirdspacelearning.com](https://mathshub.thirdspacelearning.com)
- <https://play.ttrockstars.com/>
- <https://www.purplemash.com/login/>
- <https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Check>



## Some further tips

Make times tables fun;

- Climb stairs counting in multiples
- Play verbal times tables games
- Listen to and learn times tables songs
- Take it in turns to say different times tables in funny voices (i.e. say  $2 \times 3 = 6$  in a lion's voice)
- Play online maths games
- Let us know if your child is finding anything tricky!



Times Table	
2	<a href="#">2 Times Table Song (Friends Theme Song)</a>
3	<a href="#">3 Times Table Song (Made You Look by Meghan Trainor) Laugh Along and Learn</a> <a href="#">Three Times Table Song (You've Got a Friend In Me from Toy Story)</a>
4	<a href="#">4 Times Table Song (As It Was by Harry Styles)</a>
5	<a href="#">5 Times Table Song   Friend Like Me from Aladdin   Laugh Along and Learn</a>
6	<a href="#">6 Times Table Song (You're Welcome from Moana)</a>
7	<a href="#">Multiply by 7 in Minutes More at www.PowerdotMath.com, Sgt Seven Music Video -New and Improved.</a>
8	<a href="#">8 times table song (Sunflower by Post Malone)</a>
9	<a href="#">9 Times Table set to Ed Sheeran's Shape of You</a> <a href="#">9 Times Tables Song   Skip Counting by 9 With Multiplication</a>
10	<a href="#">10 Times Table Song (Heat Waves by Glass Animals) Laugh Along and Learn</a>
11	<a href="#">11 Times Table Song   Skip Counting the Multiples of 11</a>
12	<a href="#">12 Times Table Song (Treat You Better by Shawn Mendes)</a>

