

Multiplication tables check

Do you have a child in year 4 at primary school?

If so, your child will be participating in the multiplication tables check in June.

The purpose of the check is to determine whether your child can fluently recall their times tables up to 12, which is essential for future success in mathematics. It will also help your child's school to identify if your child may need additional support.

What is the multiplication tables check?

It is an on-screen check consisting of 25 times table questions. Your child will be able to answer 3 practice questions before taking the actual check. They will then have 6 seconds to answer each question. On average, the check should take no longer than 5 minutes to complete.

What if my child cannot access the check?

There are several access arrangements available for the check, which can be used to support pupils with specific needs. Your child's teacher will ensure that the access arrangements are appropriate for your child before they take the check in June.

The check has been designed so that it is inclusive and accessible to as many children as possible, including those with special educational needs or disability (SEND) or English as an additional language (EAL). However, there may be some circumstances in which it will not be appropriate for a pupil to take the check, even when using suitable access arrangements. If you have any concerns about your child accessing the check, you should discuss this with your child's headteacher.

[2024 multiplication tables check: information for parents \(publishing.service.gov.uk\)](https://publishing.service.gov.uk/2024/05/learning-times-tables-efficiently)

Why is quick recall of multiplication facts important?

Multiplication and division form the building blocks of many of the primary and secondary mathematics topics. For example: fractions, percentages, ratio, conversion of measures, problem solving, finding area and volume of shapes.



There appear to be 144 facts to learn which can seem daunting but once children have learnt that multiplication is commutative, meaning the numbers can be switched and still get the same answer, then that almost halves the number of facts.

1	2	3	4	5	6	7	8	9	10	11	12
2	4	6	8	10	12	14	16	18	20	22	24
3	6	9	12	15	18	21	24	27	30	33	36
4	8	12	16	20	24	28	32	36	40	44	48
5	10	15	20	25	30	35	40	45	50	55	60
6	12	18	24	30	36	42	48	54	60	66	72
7	14	21	28	35	42	49	56	63	70	77	84
8	16	24	32	40	48	56	64	72	80	88	96
9	18	27	36	45	54	63	72	81	90	99	108
10	20	30	40	50	60	70	80	90	100	110	120
11	22	33	44	55	66	77	88	99	110	121	132
12	24	36	48	60	72	84	96	108	120	132	144

1											
2	4										
3	6	9									
4	8	12	16								
5	10	15	20	25							
6	12	18	24	30	36						
7	14	21	28	35	42	49					
8	16	24	32	40	48	56	64				
9	18	27	36	45	54	63	72	81			
10	20	30	40	50	60	70	80	90	100		
11	22	33	44	55	66	77	88	99	110	121	
12	24	36	48	60	72	84	96	108	120	132	144

$6 \times 8 = 48$, $8 \times 6 = 48$ and then the inverse nature of division means that they can also know that $48 \div 6 = 8$ and $48 \div 8 = 6$.

Then if you take out the 1x, 10x 2x and 5x tables and the 11s up to 9×11 (as these are straightforward) there are only **30** facts left to learn from the original 144 making it seem a lot more manageable.

<https://blog.foster77.co.uk/2022/05/learning-times-tables-efficiently.html>

1											
2	4										
3	6	9		15							
4	8	12	16	20							
5	10			25							
6	12	18	24	30	36						
7	14	21	28	35	42	49					
8	16	24	32	40	48	56	64				
9	18	27	36	45	54	63	72	81			
10	20	30	40	50	60	70	80	90	100	110	120
11	22	33	44	55	66	77	88	99		121	
12	24	36	48	60	72	84	96	108		132	144

What can I do to help my child to learn their multiplication facts?

Research evidence shows that the tables facts are stored in the auditory memory so **reciting the question and its answer will help children learn their facts.**

‘Six times eight is forty-eight’ so you can practise reciting them on car journeys or walks and there are lots of games that provide practise of facts.

If they are stuck on a fact when practising, then get them to say the question out loud or in their head and then see if the answer comes to them – just like the next word in a song or nursery rhyme. If that doesn’t work, then try reciting the question and answer again.

Focus on just a few facts at time rather than trying to learn them all at once.

Times Tables Rock Stars

As a school we subscribe to Times Tables Rock Stars (TTRS), an online platform designed to help your child learn their multiplication facts.

<https://play.ttrockstars.com>

The platform assesses your child regularly with a ‘gig’ and then sets appropriate tables for the child to learn in the ‘garage’ setting or they can choose their own tables to practise in jamming. There is also the ‘soundcheck’ option that mirrors the National Multiplication Tables Check – giving them opportunity to practise for the actual test in June.

Here is a video to explain TTRS.

<https://www.youtube.com/watch?v=WqPIa17hKLA>

If you have any further questions, then please ask your child’s teacher or Mrs Howat.

Short but regular practice is the best method for learning tables and we recommend 5 minutes 5 days a week.

This is a link to a presentation on how to help your child learn multiplications facts and use TTRS.

[Multiplication and Division Fact Fluency & TTRS at Earlsdon School parent information.pptx \(sharepoint.com\)](#)

Recommended Websites:

Times Tables Rock Stars

<https://play.ttrockstars.com/>

BBC Skillswise: Times tables

<https://www.bbc.co.uk/teach/skillswise/times-tables/z4gs7nb>

BBC Bitesize: Multiplying and Dividing

<https://www.bbc.co.uk/bitesize/topics/z36tyrd>

Hit The Button

<https://www.topmarks.co.uk/maths-games/hit-the-button>

Games

It is not necessary to purchase games but if you enjoy playing games with your children and want some suggestions of games that might help we would recommend these games.

Times Tables Snap and Times tables Plus Snap from the Green Board company



Times Tables and Times Tables Heroes from Orchard Toys