

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. The shapes are primarily triangles and polygons, creating a dynamic, layered effect. The text is centered in the white space between these shapes.

Year 4 Multiplication Tables

The Multiplication Tables Check

- ▶ Primary-school children are expected to know all their times tables up to 12×12 . Under the current National Curriculum, children are supposed to know their times tables by the end of Year 4 and are formally tested.
- ▶ The purpose of the MTC is to determine whether year 4 pupils can fluently recall their multiplication tables.
- ▶ Monday 3rd June 2024 - 2 weeks to complete the multiplication times table check.

How will the children be tested?

- ▶ The MTC will be delivered as an online, on-screen digital assessment on laptops or iPads.
- ▶ They will have to answer 25 multiplication questions against the clock - 6 seconds per question.
- ▶ The test will last no longer than 5 minutes.
- ▶ It will be automatically scored, and results will be available to schools once the assessment window closes.

What is included?

- ▶ Items will be selected from the 121 items that make up the 2 to 12 multiplication tables. The one multiplication table is not included in the check, although questions from the one multiplication table may be included as practice questions.
- ▶ Multiplication facts will be the only things tested (there will be no problem-solving in the check).

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

Results and Reporting

- ▶ The DfE says the purpose of the check is to help teachers identify which children are falling behind and target areas where they're not being given a chance to succeed.
- ▶ At the end of the assessment window, a total score out of 25 will be reported to each school for all of their pupils who took the check.
- ▶ This is a test out of 25, you will be informed of your child's score. There is not considered to be a pass mark.
- ▶ Schools are judged on how many children achieve full marks.
- ▶ The check will determine whether a pupil can fluently recall multiplication tables. Therefore, there is no standard for the MTC beyond the number and percentage of pupils who achieve full marks.

National Curriculum Expectations

In the table below are the National Curriculum times tables expectations for each year group.

	Expectations for times tables for each year group
Year 1	Count in multiples of 2, 5, 10. Recall and use doubles to 10 and corresponding halves.
Year 2	Recall and use multiplication and division facts for 2, 5 and 10 times tables, including recognising odd and even numbers.
Year 3	Recall and use multiplication and division facts for the 3, 4, and 8 times tables.
Year 4	Recall and use multiplication and division facts for tables up to 12 x 12
Year 5	Revision of all times tables and division facts for up to 12 x 12
Year 6	Revision of all times tables and division facts for up to 12 x 12

Language for Times Tables

- ▶ There are many different ways to say the tables and they're all correct - but it helps if you're consistent and if you adopt the language your child already uses in school.
- ▶ For example we use:

Three, eight times...

Three times eight is...

Three multiplied by eight...

Three eights are...

Three lots of eight...

What we are doing in school

- ▶ Maths Frame games for starters.
- ▶ Practical times tables games for lesson starters such as KABOOM!
- ▶ Memorable Monday activities in Maths every Monday often have a multiplication/division element.
- ▶ Morning Maths activities such as completing times tables grids.



Multiplication Square

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

How you can help at home

- ▶ Little and often
- ▶ Start with chanting and writing them out slowly in order.
- ▶ Then move on to completing the answers quickly in order - on paper or verbally with your child.
- ▶ Finally, move on to completing the answers in any order.
- ▶ Keep reminding your child if you know 3×4 you also know 4×3
- ▶ If you know your 2 times table, you know your 4 and your 8 - doubles
- ▶ Each table has a square number 3×3 , 7×7 etc. These are special numbers that can act as a memory hook.

Online Games

- ▶ Times Tables Rockstars

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

- ▶ There is an activity which exactly mirrors the 'Multiplication Tables Check' available here:

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

There are multiple online games available here:

- ▶ <https://mathsframe.co.uk/en/resources/category/7/multiplication-and-division>

If you are feeling musical, then there are lots of times tables songs available here:

- ▶ <https://musicalmaths.com/page/1/>