



A GUIDE TO THE MTC



INTRODUCTION



- The Multiplication Tables Check (MTC) needn't be daunting!
- For many pupils, it's a fantastic opportunity for pupils to show off their fluency with their tables, which they've been practicing for years.



WHAT IS THE MTC?

- The MTC stands for Multiplication Tables Check.
- Set by the government, the MTC is an on-screen assessment designed to determine whether pupils are able to fluently recall their multiplication tables up to 12, through a set of timed questions.

The national curriculum states, **‘By the end of year 4, pupils should have memorised their multiplication tables up to and including the 12 multiplication table and show precision and fluency in their work’.**

The year 4 programme of study for mathematics also states, **‘Pupils should be taught to recall multiplication and division facts for multiplication tables up to 12×12 ’.**

The MTC only assesses the instant recall of multiplication facts.

MTC KEY FACTS.



- There is a 2-week check window starting 3rd June 2024 during which schools will complete the MTC with pupils in Year 4.
- Pupils will have 3 practice questions before the check begins.



How will the results be used?

Schools will have access to all their pupils' results, allowing those pupils who need additional support to be identified.

Will I receive feedback on my child's check?

Yes. Your child's teacher will share your child's score with you, as they would with all national curriculum assessments. There is no pass mark for the check.

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

Learning Times Tables

- ▶ Tables seem easy when children have learned them, but the prospect of having to learn them drives fear into children - and this in turn has a negative effect on learning.
- ▶ This diagram shows the 144 times tables multiplication facts that every child needs to commit to memory.
- ▶ Children need to be able to recall any times tables answer within 6 seconds. This leaves no time for counting the way up to the answer from $2x$, $3x$, $4x$ etc. - the answer has to 'pop' out of memory pretty much instantly.

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

MTC KEY FACTS



- The MTC will ask the pupil 25 random multiplication questions- they will not be asked division questions.
- Pupils will have 6 seconds to read the question, understand it, and enter a response. They will then receive a 3 second pause before the next question is shown.



MTC KEY FACTS.



- Schools can decide whether the pupils take the test on a tablet or a computer, but there is no option to complete the test on paper.
- Teachers will have the flexibility to administer the check to individual pupils, small groups or a whole class at the same time.
- There is no pass mark for the MTC.





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ACCOUNT

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You choose

STUDIO

12 x 12

SOUNDCHECK

25 questions

MULTIPLAYER

FESTIVAL

12 x 12

ARENA

Self Set

ROCKSLAM

12 x 12

SOUNDCHECK

PLAY

25 Questions
6 Seconds per question

Play solo

5 per correct answer

PLAY YOUR FIRST GAME NOW!



Multiplication Rhymes

2's

Two shoes kicked the door, $2 \times 2 = 4$

3's

1 - 2 - 3 - 4, $1 \times 2 = 3 \times 4$

3 times a day my bird eats six beans, $3 \times 6 = 18$

Playing 3 games in 7 days would be fun, $3 \times 7 = 21$

A tree (3) on skates fell on the floor, $3 \times 8 = 24$

4's

1 - 2 - 3 - 4, $1 \times 2 = 3 \times 4$

A 4 by 4 is a mean machine, I'm going to get one when I'm 16.

($4 \times 4 = 16$)

6 and 4 are on the floor, 6×4 is twenty-four

4 and 7 went fishing with bait. $4 \times 7 = 28$

7 and 4 are running late, $7 \times 4 = 28$

8 and 4 were sad and blue, $8 \times 4 = 32$

Use your fingers when you're in a fix. 4×9 is 36

I have...	Who has...?
63	$7 \times 4 =$

I have...	Who has...?
28	eight times four

I have...	Who has...?
32	nine groups of six

I have...	Who has...?
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8 TIMES TABLE

COVER OF
ROLLING IN THE DEEP BY ADELE

8 Times Table - Cover Of Rolling In The Deep - by Adele



$10 \times 9 =$	$2 \times 2 =$	$4 \times 5 =$
$5 \times 2 =$	$3 \times 5 =$	$10 \times 5 =$

Bingo



Useful Tips

- ▶ Stick to one table at a time to minimise confusion.
- ▶ 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 that 3×4 is the same as 4×3 - this is effectively halves the number of tables facts.
- ▶ Each table has a square number 3×3 , 7×7 etc. These are special numbers that can act as a memory hook - emphasise them!
- ▶ Talk about the numbers as you are encountering them “ $5 \times 7 = 35$ that’s our house number” - this makes more memory hooks.