YEAR 4 MULTIPLICATION CHECK 2023

MRS LILLEY: MATHS LEADER MISS BLYTH: Y4 TEACHER

The MTC is a key stage 2 (KS2) assessment to be taken by pupils at the end of year 4.

The MTC is focused on the fluent recall of multiplication facts. This is included in the national curriculum (2014) statutory programme of study for mathematics at key stage 1 (KS1) and KS2.

The MTC will be delivered as an online, on-screen digital assessment. Under standard administration, the check will take each pupil less than 5 minutes to complete.

The content domain for the MTC is based on the national curriculum (2014). 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. Multiplication and division in a wider context will continue to be assessed through the KS1 and KS2 mathematics assessments.

- 25 questions
- 6 seconds per question
- 3 second pause before the next question –
- Questions are not ordered by difficulty
- No reversals in the same test- eg 3x8 and 8x3 will not appear in the same test
- Can be administered over the 3 week period- in groups, as a class, or individually between $6^{th}-24^{th}$ June
- Administered on chromebooks
- There will be no expected standard threshold for the multiplication check. Scores will be reported in end of year school report.
- Try-it-out check in school from March familiarise with format

Pupils will have 6 seconds to enter a response to the question. The 6 seconds start as soon as the question appears. Pupils will be able to input their response using the computer keyboard, a mouse (or equivalent) and the on-screen number pad, or a touchscreen device and the on-screen number pad. Once the pupil has input their answer, they can press enter to proceed, or wait until the time expires. Once the question is answered, there will be a 3 second pause before the next question appears.

Pupils and schools will be able to access a practice area prior to the check window opening, in order to become familiar with the MTC format.

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			

Specific weighting on: x6, 7, 8, 9, 12 tables with more chance of these questions appearing in the assessment

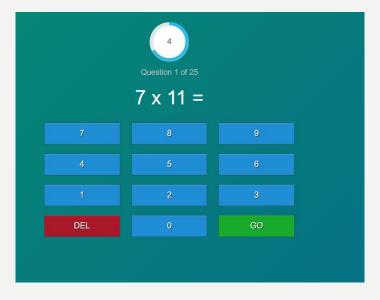
HOW CAN YOU HELP AT HOME?

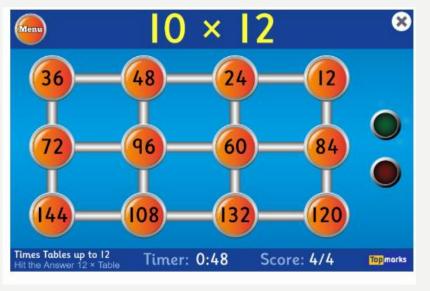
- Allocated TT Rockstar practice time
- Multiplication square (all children will bring one home) display in an appropriate place
- Hit the button https://www.topmarks.co.uk/maths-games/hit-the-button
- Times table target wheels
- Questioning on times tables (times table tauras)
- Weekly times tables test
- Times table flash cards

RECOMMENDED WEBSITES

- https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Check
- https://tt.serveweb.co.uk/new/
- https://www.topmarks.co.uk/maths-games/hit-the-button







TT ROCKSTARS

- To practise the times tables set for them
- The children have 6 seconds to answer the question before moving onto the next question
- TT Rockstars has different games jamming, gig, garage, studio and sound check, they can set up challenges with their friends.
- When playing TT Rockstars the children will receive a rock status which is displayed in class

2-12x 2-20x Year 4 heatmap as of 11 Jan 2023										<u>+</u>	100
	10	2	5	3	4	8	6	7	9	11	12
10	10 × 10	10×2	10 × 5	10×3	10 × 4	10×8	10 × 6	10×7	10 × 9	10 × 11	10 × 12
2	2×10	2×2	2 × 5	2×3	2×4	2×8	2×6	2×7	2×9	2×11	2 × 12
5	5×10	5×2	5 × 5	5×3	5 × 4	5×8	5×6	5×7	5 × 9	5×11	5×12
3	3×10	3 × 2	3×5	3 × 3	3×4	3×8	3×6	3×7	3 × 9	3×11	3 × 12
4	4×10	4×2	4 × 5	4×3	4 × 4	4×8	4×6	4×7	4×9	4×11	4 × 12
8	8×10	8 × 2	8 × 5	8 × 3	8 × 4	8 × 8	8 × 6	8×7	8 × 9	8 × 11	8 × 12
6	3.61s	6×2	6×5	6 × 3	6 × 4	6×8	6 × 6	6×7	6 × 9	6×11	6 × 12
7	7×10	7×2	7×5	7×3	7×4	7×8	7 × 6	7×7	7×9	7×11	7 × 12
9	9×10	9×2	9×5	9 × 3	9×4	9×8	9 × 6	9×7	9 × 9	9×11	9 × 12
11	11 × 10	11 × 2	11 × 5	11 × 3	11 × 4	11 × 8	11 × 6	11 × 7	11 × 9	11 × 11	11 × 12
12	12 × 10	12 × 2	12 × 5	12 × 3	12 × 4	12×8	12 × 6	12×7	12 × 9	12 × 11	12 × 12



HOW WE ARE HELPING AT SCHOOL

- Planned in times table teaching every week
- Mental maths practice books: times table focus
- Times table of the day
- PIXL 3 in 3- 3 questions in 3 minutes
- Times table rockstars time
- Fortnightly assessment to review progress
- TT rockstars minute tests
- Class score certificates
- Additional time to practice and review times tables
- Times table target wheels
- Hit the Button
- Times table tauras