Year 4 Multiplication Check

Parent Information PowerPoint

03.02.2023 (face-to-face) and 07.02.2023 (Zoom)

This is **a national statutory multiplication tables check.**

The **multiplication tables check takes place in June**. We have a three week period to administer the check (between Monday 5th June and Friday 16th June).

The **purpose of the check is to determine whether children can fluently recall their times tables up to 12**, which is essential for future success in mathematics.

What is the check?

The MTC is an on-screen check consisting of **25 times tables questions**.

Children will complete 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.

Original guidance from 2018

Guidance still being used for current academic year

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

Table 1 shows the upper and lower limits for the number of items from each multiplication table that can be included in each check form.

There is an emphasis on the 6, 7, 8, 9 and 12 multiplication tables because these have been determined to be the most difficult multiplication tables.

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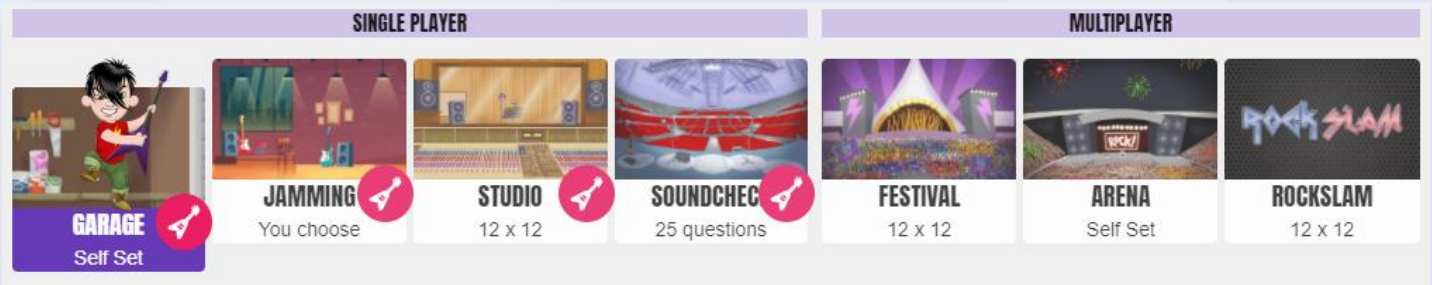
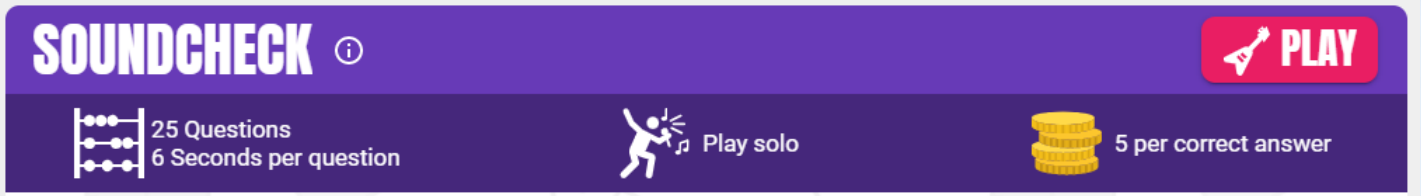
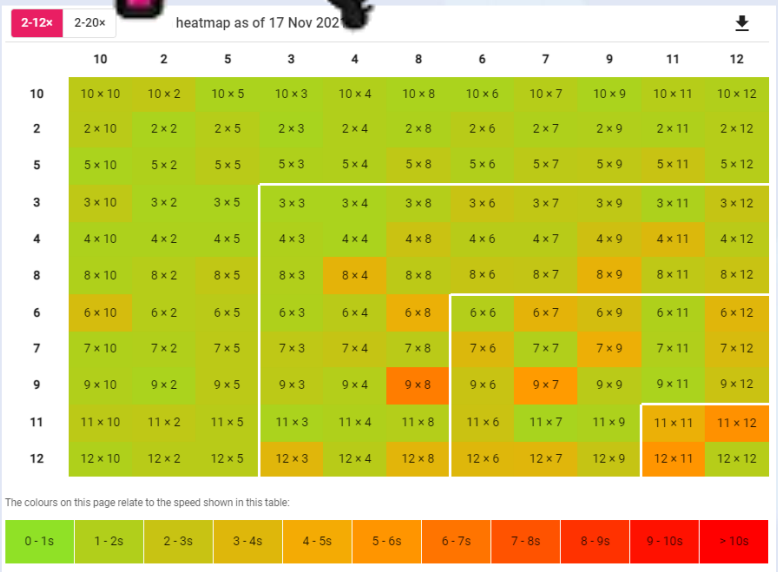
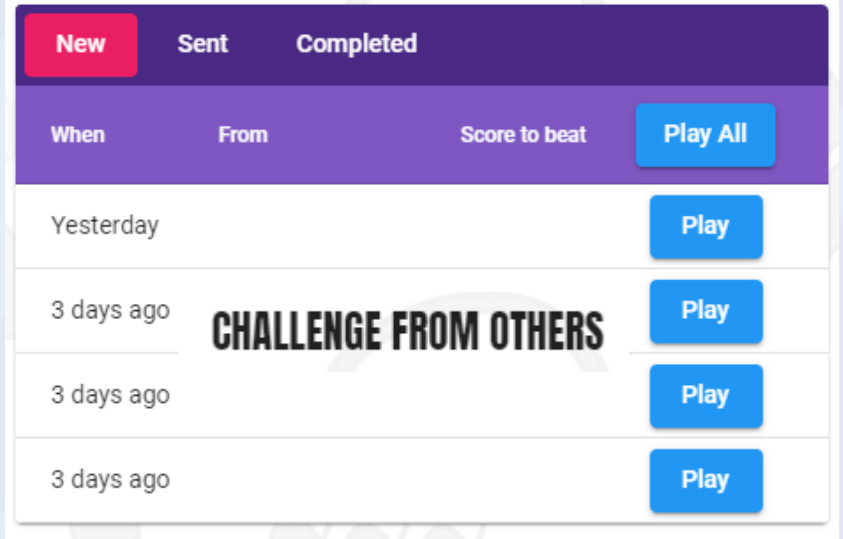
Useful resources and tips

TIMES TABLES ROCK STARS









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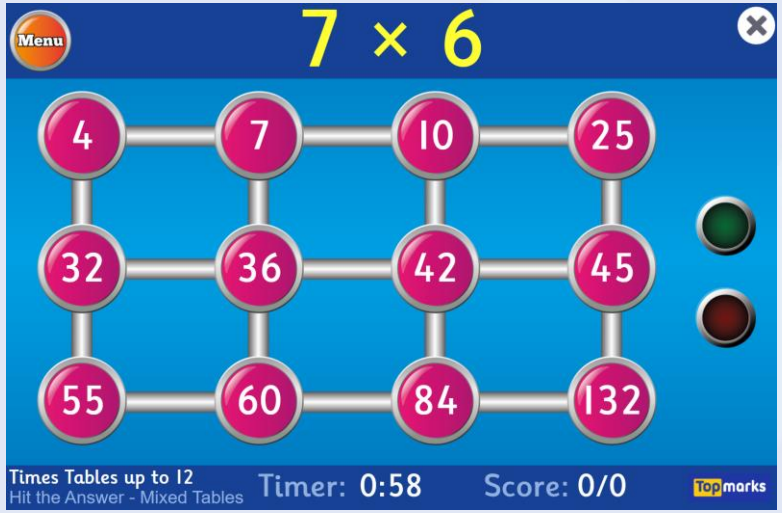

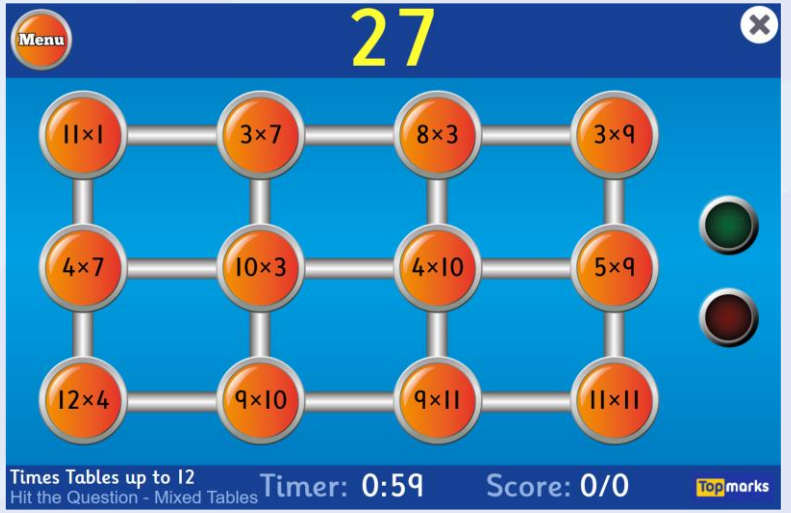

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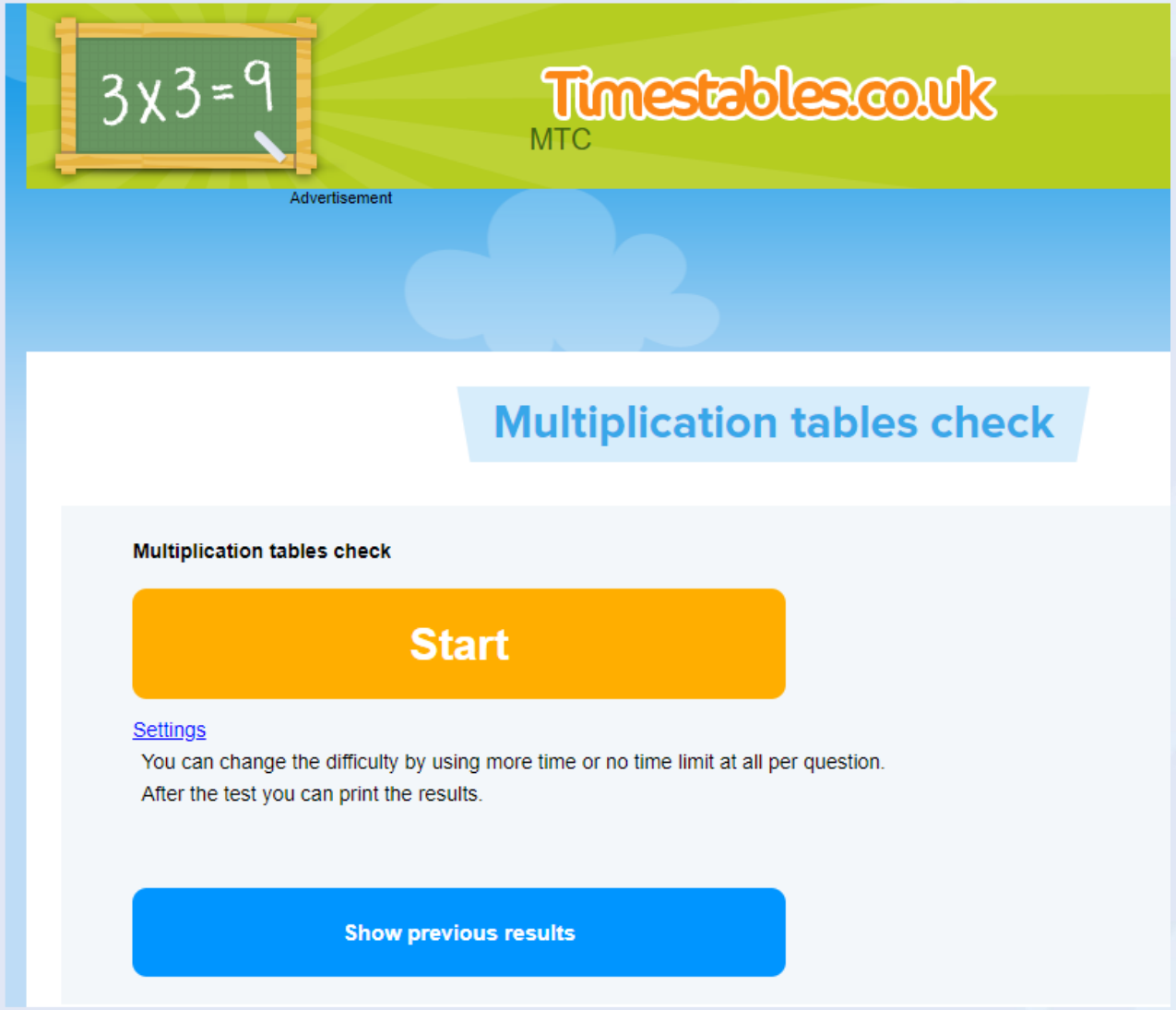
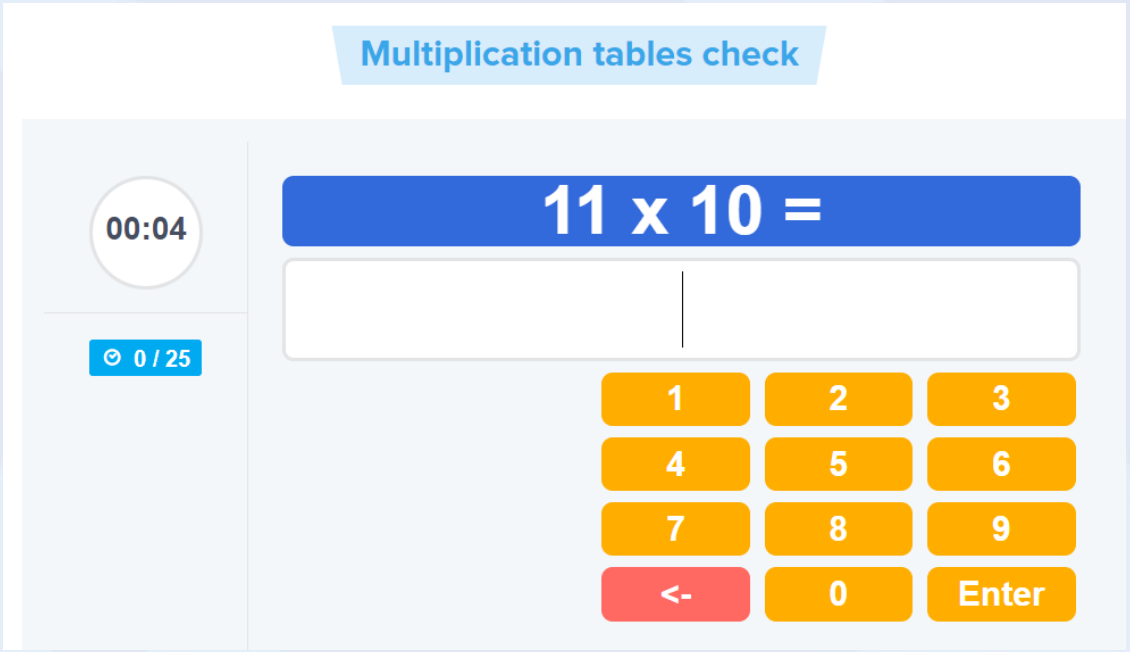




This resource is also available on the school website.

Multiplication Fact Links

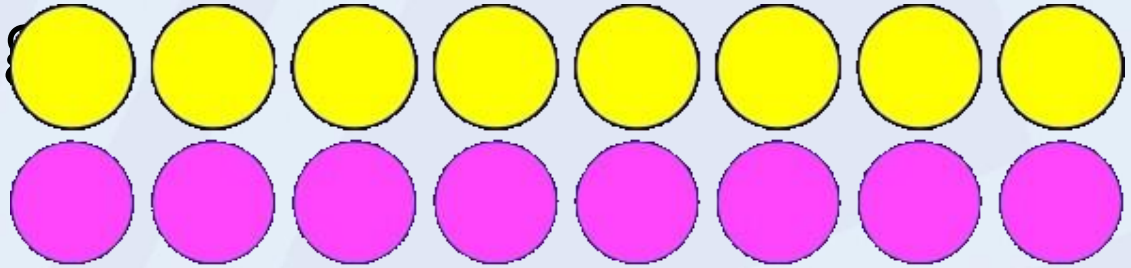
What do I already know to work out what I may not know?....

x10 facts – digits move up the place value grid

Multiplication Fact Links

What do I already know to work out what I may not know?....

x2 facts – the same as doubling



$$8 \times 2 = 8 + 8$$

Multiplication Fact Links

What do I already know to work out what I may not know?....

x4 facts – the same x2 then x2 again (doubling twice)

$$8 \times 4 = (8 \times 2) + (8 \times 2)$$

$$8 + 8 + 8 + 8$$

Multiplication Fact Links

What do I already know to work out what I may not know?....

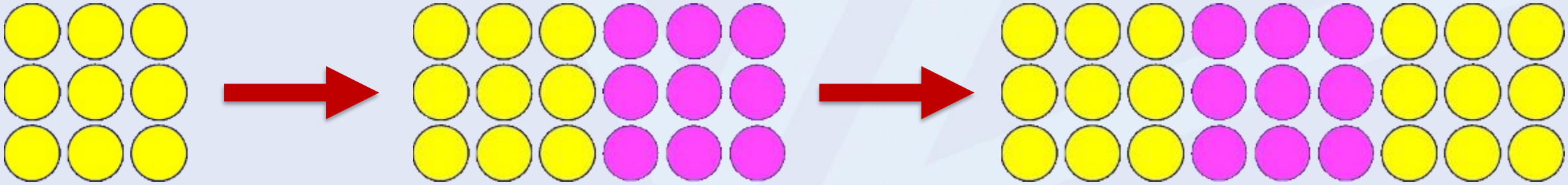
x8 facts – the same x4 then x2 (double x4)

64

Multiplication Fact Links

What do I already know to work out what I may not know?....

If you know the x3 tables, you can use these to help with learning your x6 tables and x9 tables.

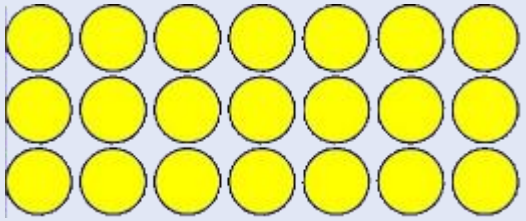


3x3 3x6 3x9

Multiplication Fact Links

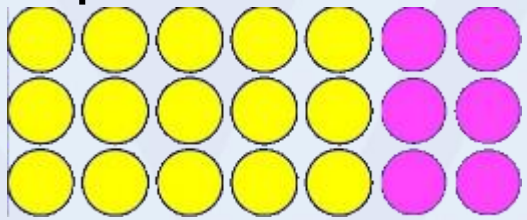
What do I already know to work out what I may not know?....

My x7 tables could we worked out using other known multiplication facts.



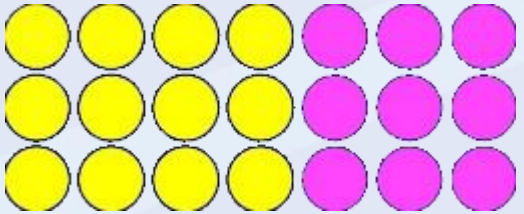
7 x 7

49



(7 x 5) + (7 x 2)

35 + 14 = 49



(7 x 4) + (7 x 3)

28 + 21 = 49

Multiplication Fact Links

Adults in school help children see the links between multiplication facts (*including commutativity*).

Children need to spend time recalling their multiplication facts up to 12x12.

Additional Information

There is no ‘pass’ rate or threshold.

The guidance (published in 2021) states that there is no expected pass rate or threshold. This means that, unlike the KS1 Phonics Screening check, children will not be expected to re-sit the check if they do not meet a set threshold in this KS2 Times Tables Test.

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Additional Information

- National and Local Authority results will be published.
- Results of the MTC will also be available to OfSTED.

TIMES TABLES GRID

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

THIRD SPACE LEARNING

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