# YEAR 4 MULTIPLICATION TABLES CHECK

# WHAT IS THE MULTIPLICATION CHECK?

- The multiplication tables check (MTC) is statutory for primary schools in the 2023/24 academic year.
- The purpose of the MTC is to determine whether pupils can recall their times tables fluently, which is essential for future success in mathematics. It will help schools to identify pupils who have not yet mastered their times tables, so that additional support can be provided.
- ***Schools will have a 3-week check window in June to administer the MTC***. Teachers will have the flexibility to administer the check to individual pupils, small groups or a whole class at the same time.

# HTTPS://WWW.GOV.UK/GOVERNMENT/COLLECTIONS/MULTIPLICATION-TABLES-CHECK

From: Standards and Testing Agency
Published 1 April 2019
Last updated 20 April 2021 — See all updates

## Documents

Multiplication tables check administration guidance

PDF, 214KB, 17 pages

Multiplication tables check privacy notice

PDF, 133KB, 3 pages

### Related content

Multiplication tables check: information for parents

Multiplication tables check: 2020

Multiplication tables check

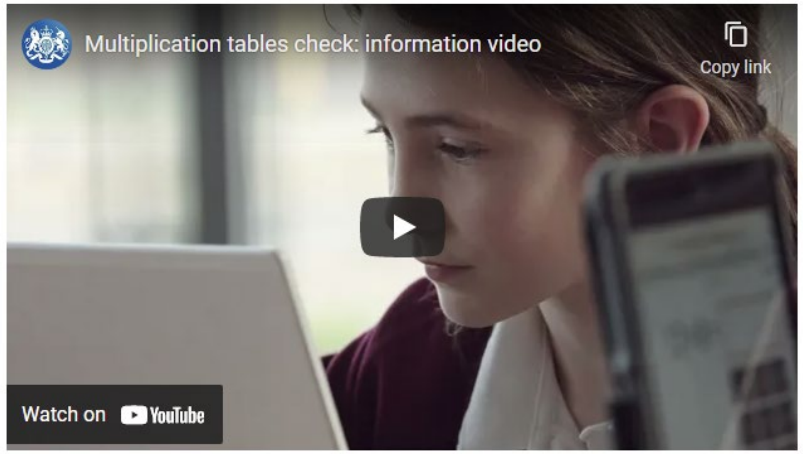
Multiplication tables check: 2021

Multiplication tables check assessment framework

Collection

**Multiplication tables check**

**National curriculum assessments: key stage 2 tests**




Please note, this video was filmed before the coronavirus (COVID-19) pandemic.

# Multiplication tables check

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

If so, they will have the opportunity to take the optional multiplication tables check (MTC), in June 2021.

The purpose of the check is to determine whether pupils 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 pupils who may need additional support.

## What is the MTC?

The MTC is an on-screen check consisting of 25 times tables questions. Your child will answer 3 practice questions before moving on to the official check and 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 schools to use, and teachers will be able to ensure that these are appropriate for your child prior to the check window in June.

There are, however, some circumstances in which it may not be appropriate for a pupil to take the check. If you have any concerns about your child being able to access the MTC, you should talk to your child's headteacher.

## Do I need to do anything to prepare my child for the check?

No. You do not need to do anything additional to prepare your child for the check. As part of usual practice, teachers may ask you to practice times tables with your child, as they would with spelling.

In terms of preparing pupils for the on-screen nature of the MTC, schools will have access to a 'try it out' area. They will be able to use this to familiarise pupils with the check and try out any access arrangements that may be required.


## How will the results be used?

For June 2021, the MTC is optional and no performance data will be published. Schools will be able to view pupil results, however there is no requirement to report these results to parents or carers as the assessment is not statutory for this year.

https://www.gov.uk/government/publications/multiplication-tables-check-information-for-parents

# 6. Diversity and inclusion

The Equality Act 2010 sets out the principles by which the national curriculum assessments and associated development activities are conducted. During the development of the check, STA will make provision to overcome barriers to fair assessment for individuals and groups, wherever possible.

Assessments are also required to meet Ofqual's regulatory framework[6] which states, 'An assessment should minimise bias, differentiating only on the basis of each pupil's level of attainment. A pupil should not be disadvantaged by factors that do not relate to what is being tested.'

The MTC should:

- use appropriate means to allow all pupils to demonstrate their knowledge of multiplication tables
- provide opportunities for all pupils to achieve, irrespective of gender, including pupils with special educational needs, pupils with disabilities, pupils from all social and cultural backgrounds and those from diverse linguistic backgrounds
- use materials that are familiar to pupils and for which they are adequately prepared
- not be detrimental to pupils' self-esteem or confidence

## 5.2 Assessment content

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.

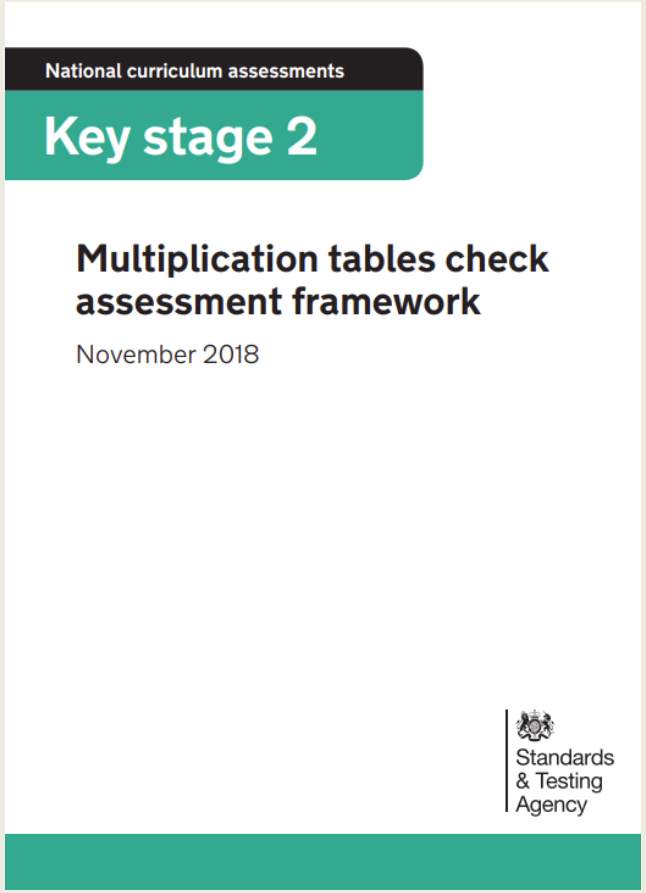
In order to check if pupils have fluent recall of the multiplication tables, a breadth of items will be included in each check. This will include items of different difficulties and representation from the different multiplication tables, with an emphasis on multiplication tables taught at KS2. Tables 1 and 2 set out the maximum and minimum number of items in each check form from each multiplication table[5].

### 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.




https://www.gov.uk/government/publications/multiplication-tables-check-assessment-framework

## What if my child cannot access the check?

There are several access arrangements available for schools to use, and teachers will be able to ensure that these are appropriate for your child prior to the check window in June.

There are, however, some circumstances in which it may not be appropriate for a pupil to take the check. If you have any concerns about your child being able to access the MTC, you should talk to your child's headteacher.

- Different font size
- Pause/next button **between** questions
- Audio  version
- Input assistant

### Input assistance

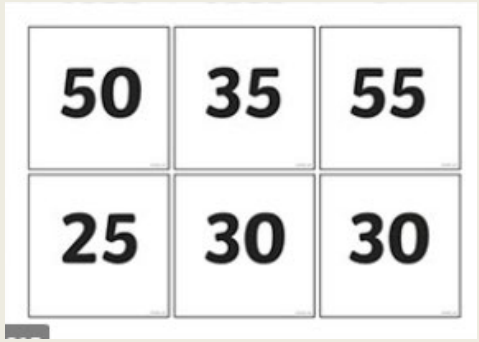
An input assistant is someone who enters answers dictated by the pupil. An input assistant can be used when a pupil is:

- unable to enter their own answers
- able to input, but inputting causes physical discomfort
- able to input, but inputs very slowly
- able to input, but finds inputting very difficult

# WHAT WE ARE DOING IN SCHOOL TO SUPPORT THE CHILDREN


2 x 6 = 12
↓ Double it ↓ Halve it
4 x 3 = 12

| 1 | | 2 | |
|---|---|---|---|
| 2 x 3 = ____ | 4 x 3 = ____ | 4 x 3 = ____ | 4 x 3 = ____ |
| 6 x 3 = ____ | 12 ÷ 3 = ____ | 2 x 3 = ____ | 2 x 3 = ____ |
| 9 ÷ 3 = ____ | 2 x 3 = ____ | 12 ÷ 3 = ____ | 3 x 3 = ____ |
| 3 x 4 = ____ | 3 x 3 = ____ | 5 x 3 = ____ | 18 ÷ 3 = ____ |
| 5 x 3 = ____ | 2 x 3 = ____ | 3 x 4 = ____ | 2 x 3 = ____ |
| 3 x 5 = ____ | 5 x 3 = ____ | 3 x 2 = ____ | 3 x 5 = ____ |
| 3 x 5 = ____ | 3 x 2 = ____ | 3 x 5 = ____ | 3 x 2 = ____ |
| 12 ÷ 3 = ____ | 3 x 5 = ____ | 18 ÷ 3 = ____ | 6 x 3 = ____ |
| 2 x 3 = ____ | 6 ÷ 3 = ____ | 6 x 3 = ____ | 3 x 4 = ____ |
| 6 x 3 = ____ | 3 x 2 = ____ | 3 x 3 = ____ | 12 ÷ 3 = ____ |
| 15 ÷ 3 = ____ | 5 x 3 = ____ | 15 ÷ 3 = ____ | 2 x 3 = ____ |
| 6 x 3 = ____ | 3 x 3 = ____ | 4 x 3 = ____ | 3 x 6 = ____ |
| 6 ÷ 3 = ____ | 18 ÷ 3 = ____ | 5 x 3 = ____ | 3 x 2 = ____ |
| 6 x 3 = ____ | 4 x 3 = ____ | 3 x 3 = ____ | 3 x 6 = ____ |
| 3 x 4 = ____ | 3 x 2 = ____ | 6 ÷ 3 = ____ | 6 ÷ 3 = ____ |
| 3 x 2 = ____ | 3 x 5 = ____ | 5 x 3 = ____ | 3 x 6 = ____ |
| 18 ÷ 3 = ____ | 3 x 3 = ____ | 3 x 6 = ____ | 3 x 6 = ____ |
| 3 x 6 = ____ | 15 ÷ 3 = ____ | 3 x 3 = ____ | 4 x 3 = ____ |
| 3 x 6 = ____ | 3 x 6 = ____ | 9 ÷ 3 = ____ | 4 x 3 = ____ |
| 3 x 4 = ____ | 3 x 6 = ____ | 3 x 4 = ____ | 15 ÷ 3 = ____ |






## The 8 times-table

1 How many items are there in total?
Write a multiplication to work it out.

a)

b)

2 Complete the number tracks.

a)

| 0 | 8 | 16 | 24 | | | | |
|---|---|---|---|---|---|---|---|

b)

| 96 | 88 | 80 | | | | | |
|---|---|---|---|---|---|---|---|

3 Here is an array made up of triangles.

4 Complete the calculations.
Try to do the calculations mentally.

a) 6 × 8 = ☐ d) ☐ = 8 × 4 g) ☐ ÷ 8 = 5
b) 8 × ☐ = 56 e) 72 ÷ 8 = ☐ h) 8 × 1 = ☐
c) 10 × 8 = ☐ f) ☐ ÷ 11 = 8

5 What multiplication can you see?

6 Complete the multiplications.

a) 2 × 8 = ☐ b) 8 = 8 × ☐
4 × 8 = ☐ 16 = 8 × ☐
8 × 8 = ☐ 32 = 8 × ☐


| Best Score | Average score | First Soundcheck |
|---|---|---|
| 23 | 19 | 25 |
| 25 | 24 | 9 |
| 25 | 25 | 3 |
| 25 | 25 | 4 |
| 25 | 23 | 6 |
| 25 | 23 | 3 |
| 25 | 22 | 1 |
| 25 | 21 | 3 |
| 17 | 14 | 21 |
| 25 | 24 | 16 |

| | 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 | 6 × 10 | 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 |

Questions with purple borders are the ones this pupil will practise in Garage. The colours on this page relate to the speed shown in this table:

| 10 | 2 | 5 | 3 | 4 | 8 | 6 | 7 | 9 | 11 | 12 |
|---|---|---|---|---|---|---|---|---|---|---|
| 3.2s | 1.2s | 3.3s | 0.91s | 0.63s | - | 0.0s | 0.89s | - | - | - |
| -2. | | | 8s | -0.93s | -0.29s | -1.4s | -1.6s | - | -2.3s | -2.3s |
| 3.5s | 3.5s | 2.8s | -0.30s | 1.7s | 1.0s | -0.62s | - | - | 0.16s | 1.8s |
| 12s | 7.6s | 9.6s | 3.2s | 9.7s | 10s | 4.3s | 3.9s | 1.6s | 33s | 10s |
| 3.3s | 1.7s | 7.2s | 0.20s | 3.0s | -2.0s | 5.5s | 2.8s | -4.1s | 12s | 15s |
| 5.6s | 10s | 10s | 0.92s | 0.0s | 15s | 15s | 16s | 9.8s | 16s | 11s |
| 2.5s | 1.9s | 2.5s | 2.0s | 6.1s | 5.7s | -0.46s | 1.8s | 4.7s | 5.5s | -0.38s |

Improved by 1.2s by 3.3s
(from 5.7s to 4.4s) to 7.0s)

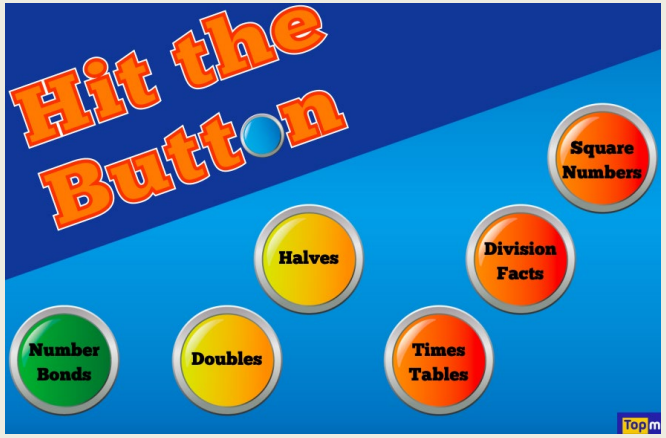
# HOW YOU CAN SUPPORT YOUR CHILD AT HOME

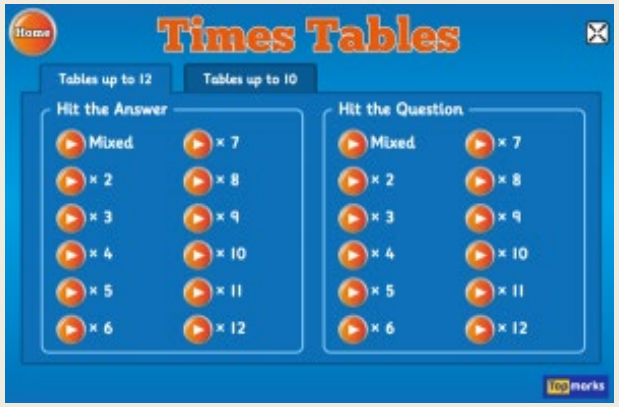
**Do I need to do anything to prepare my child for the check?**

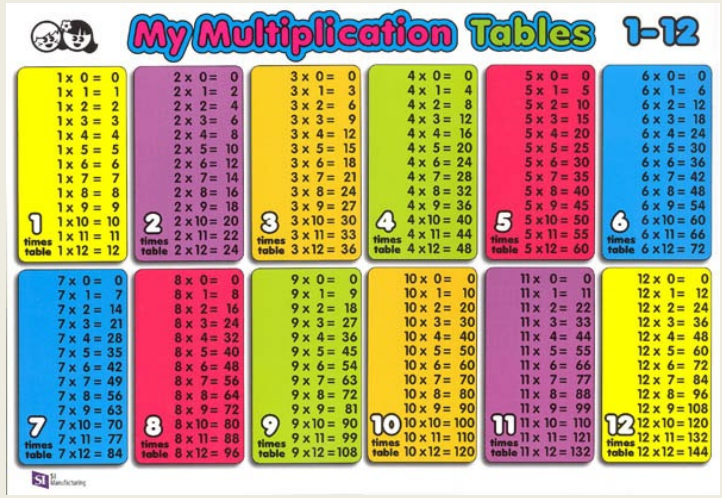
No. You do not need to do anything additional to prepare your child for the check. As part of usual practice, teachers may ask you to practice times tables with your child, as they would with spelling.

In terms of preparing pupils for the on-screen nature of the MTC, schools will have access to a 'try it out' area. They will be able to use this to familiarise pupils with the check and try out any access arrangements that may be required.

https://ttrockstars.com/parents/

# HIT THE BUTTON

HTTPS://WWW.TOPMARKS.CO.UK/MATHS-GAMES/HIT-THE-BUTTON


https://ttrockstars.com/