YEAR FOUR MULTIPLICATION TABLES CHECK (MTC)

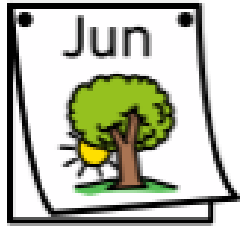
Wednesday 6th December 2023

WHAT IS IT?

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

If so, your child will be participating in the multiplication tables check (MTC) in June.

The purpose of the check is to determine whether your child 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 if your child may need additional support.



June

3x2=

Multiplication

check

What is the multiplication tables check?

It is an on-screen check consisting of 25 times table questions. Your child will be able to answer 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.

- 121 questions to choose from.
- This goes from 2 x 2 all the way to 12 x 12.
- Tests 6, 7, 8, 9 and 12 times tables more than others because they expect the Year 4 children to know these.

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.

Headline facts and figures - 2021/22

Mean average score

19.8

Out of 25

▶ What is the mean average score?

Percentage of pupils scored 25

27%

This was the most common score (full marks)

Headline facts and figures - 2022/23

Average attainment score

20.2

an increase of 0.4 points since 2022

Percentage of eligible pupils scored 25 marks

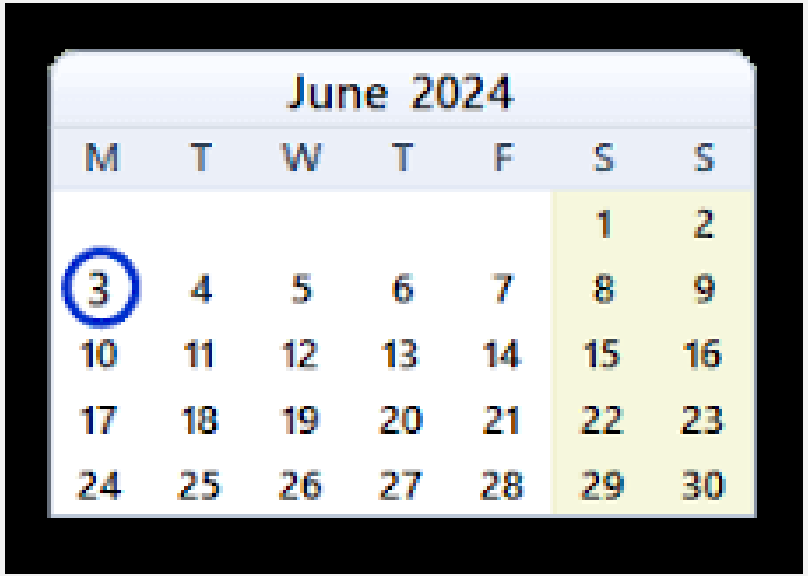
29%

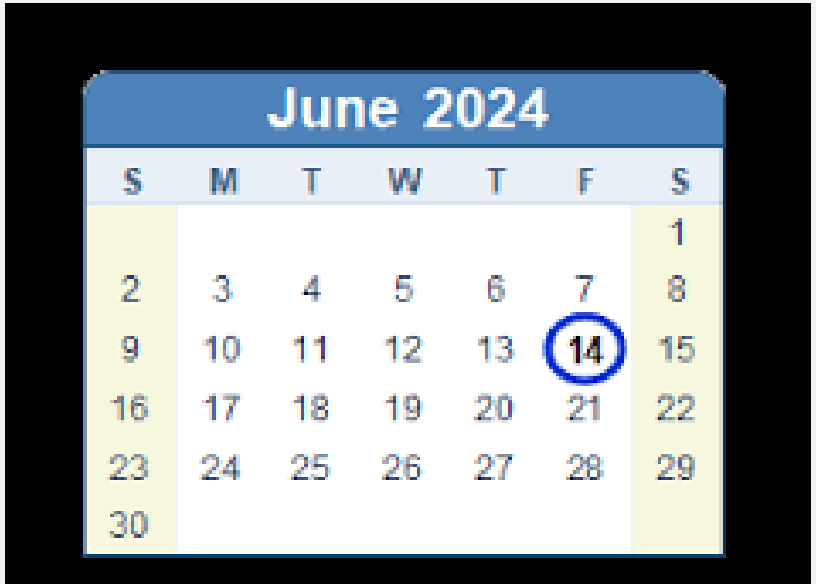
This is the most common mark (full marks).

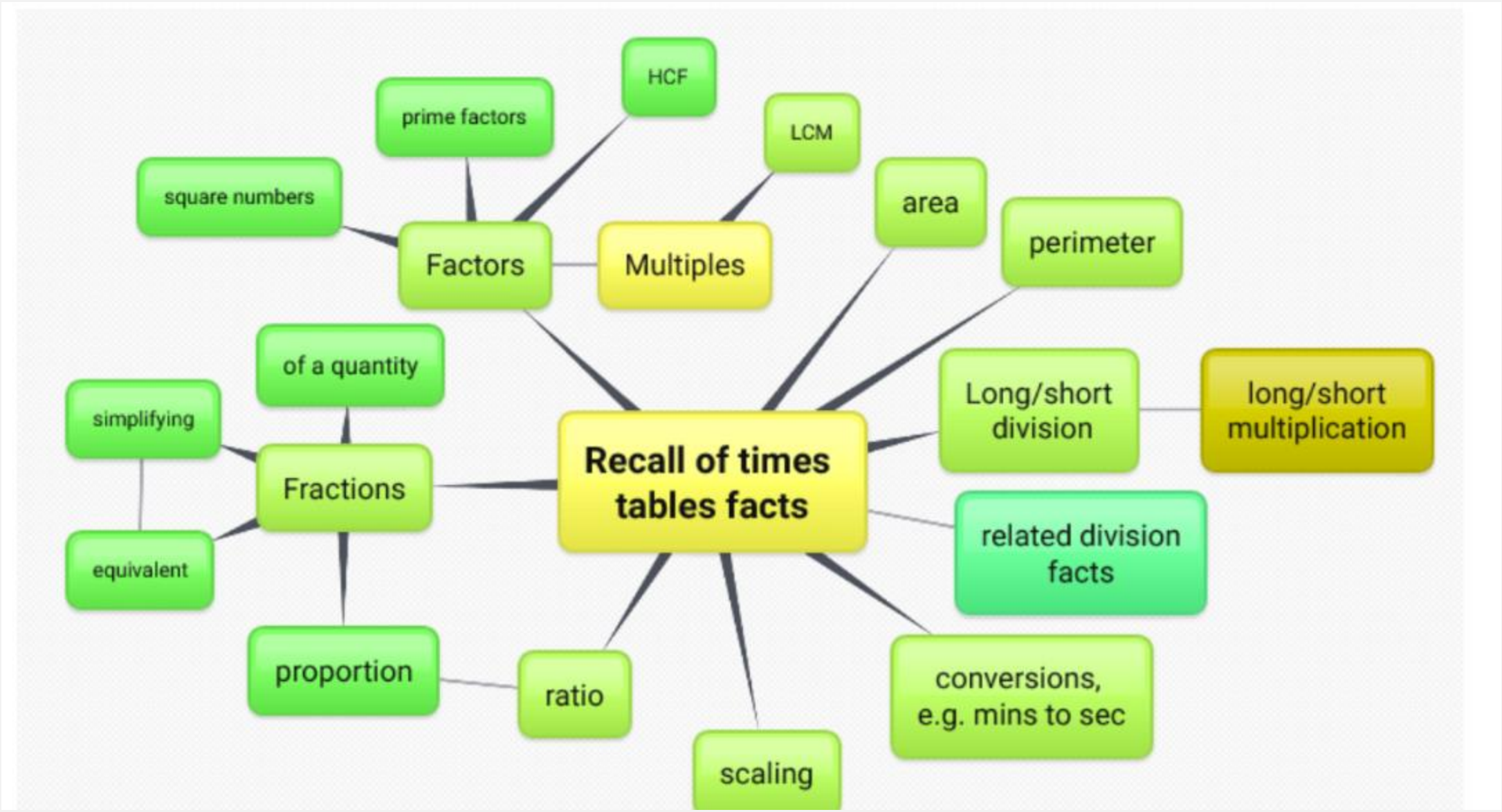
WHEN IS IT?

In 2024, schools must administer the MTC to all eligible year 4 pupils between Monday 3 June and Friday 14 June.

Schools can use the following week, Monday 17 June to Friday 21 June, to administer the check to any pupils who were absent during the first 2 weeks or in case of any delays to the administration of the check due to technical difficulties.






Recall of times tables facts
Factors
prime factors
HCF
square numbers
Multiples
LCM
Fractions
of a quantity
simplifying
equivalent
proportion
ratio
scaling
area
perimeter
Long/short division
long/short multiplication
related division facts
conversions, e.g. mins to sec

WHY TIMES TABLES?

21 There are 25 classes in a school.

Each class has 34 pupils.

62% of all the pupils play a sport after school.

What number of pupils do not play a sport?

Show your method

pupils

3 marks

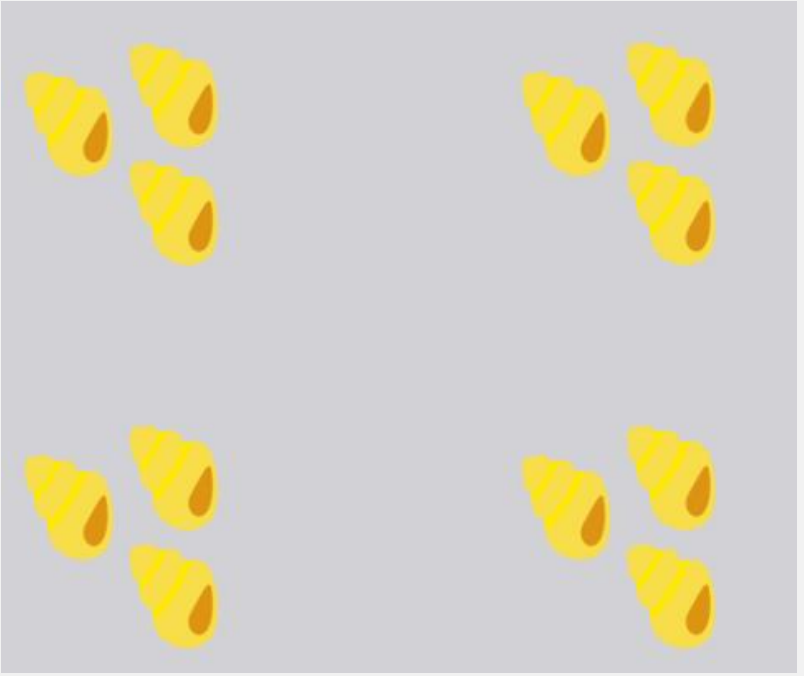
HOW YOU CAN HELP. (OTHER IDEAS)

Here are some ideas:

- Times tables chanting: “6, 12, 18, 24…”;
- Times tables chanting in reverse order: “108, 99, 90, 81…”;
- Using times tables songs, like Schoolhouse Rock’s ‘3 is A Magic Number’;
- Using apps – our favourites are Times Tables Rock Stars or Hit the Button
- Asking your child multiplication calculations out of order, like: “What is 4 x 7? What is 9 x 5? What is 6 x 11?” to develop fluency and mental maths;
- Using a multiplication square and skip counting to build confidence;
- Using pasta pieces or pebbles to solidify the concept of multiplication, e.g. four groups of three pasta shells to show 3 x 4 = 12;

Rock, paper, scissors

Counting stick



HOW YOU CAN HELP.

- Asking your child related short division questions, like “What is 12 divided by 4? What is 55 divided by 11?”;
- Asking your child word problems based on times tables, like: “If five friends have £3 each, how much money do they have in total?”;
- Make learning multiplication tables fun and a little bit competitive with these maths games, multiplication games and times tables games;
- Trying out active ways of learning times tables, like our times tables practice ideas with pavement chalk:

https://thirdspacelearning.com/blog/times-tables-test-parents-guide/

HOW YOU CAN HELP. (ONLINE)

https://ttrockstars.com/

	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:

0 - 1s	1 - 2s	2 - 3s	3 - 4s	4 - 5s	5 - 6s	6 - 7s	7 - 8s	8 - 9s	9 - 10s	> 10s

SINGLE PLAYER

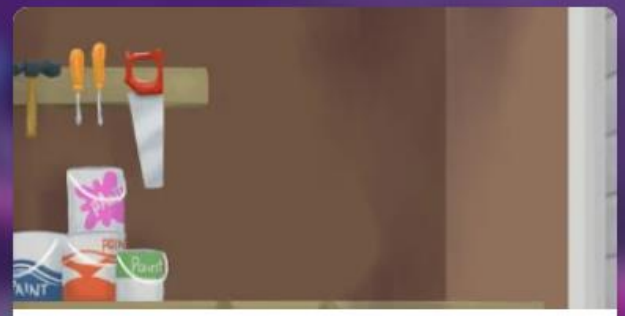
Game types explained

JAMMING

Take it easy

GIG

Perform once a month



GARAGE

Complete your heatmap

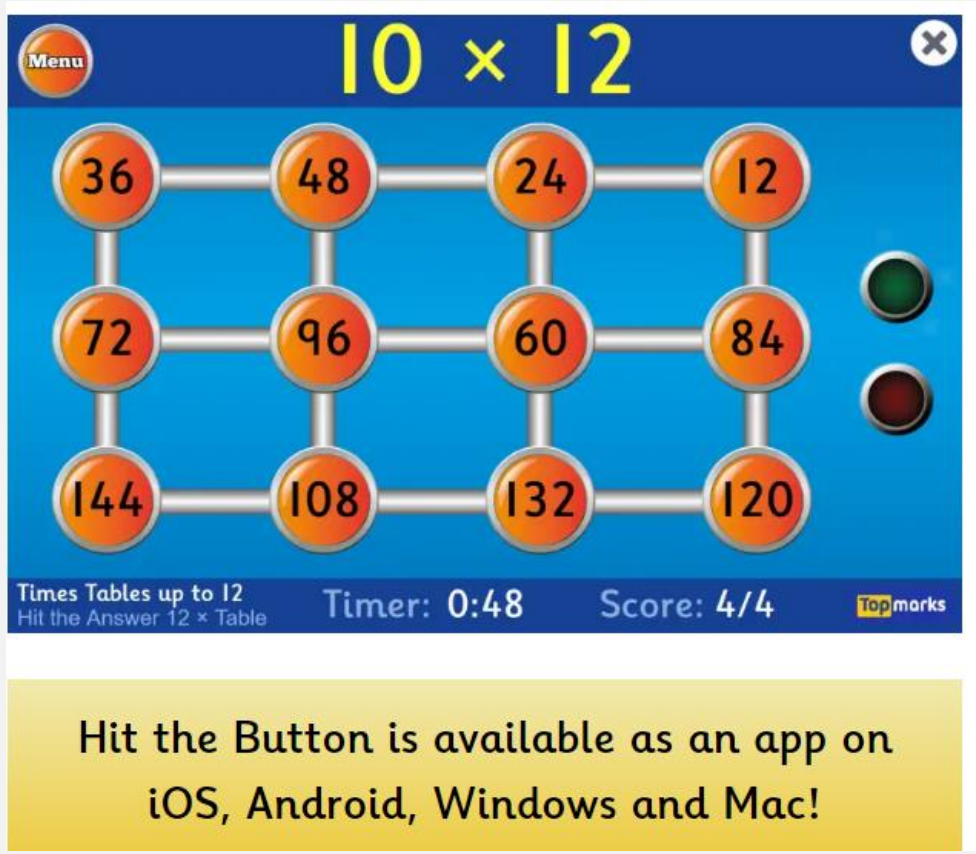
STUDIO

Get a rock status

SOUNDCHECK

Beat the clock

HOW YOU CAN HELP. (ONLINE)



https://www.topmarks.co.uk/maths-games/hit-the-button

HOW YOU CAN HELP. (ONLINE)

This activity exactly mirrors the 'Multiplication Tables Check' that will be given to children at the end of Year 4. They are tested on their multiplication tables up to 12 x 12. There are twenty-five questions and children have six seconds to answer each question and three seconds between questions. The questions are generated randomly using the same rules as the 'Multiplication Tables Check' (see below).

Results can be downloaded and printed at the end of the test.

A similar activity which tests recall of number bonds can be found here.

For more multiplication games click here.

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

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

WHERE TO FIND THE INFORMATION
HTTPS://FORESTPARK.ORG.UK/CHILDREN/YEAR-4

ANY QUESTIONS?