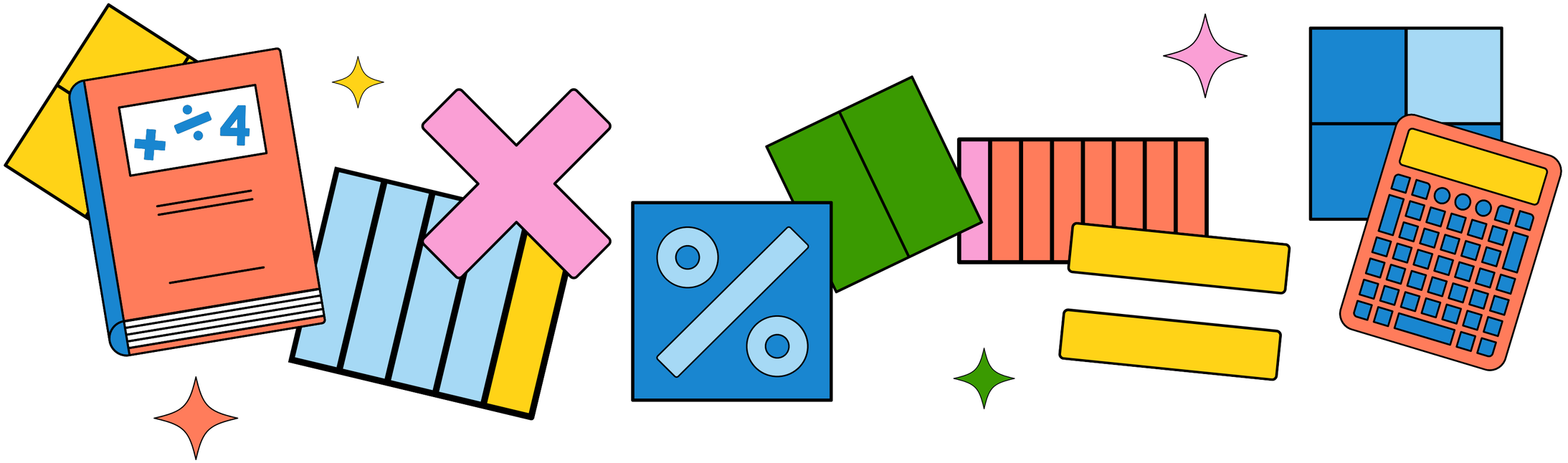
Year Four Multiplication Check

Miss Bialkowski and Miss Boyt (Maths Leads)



Aims of Session

To understand what the MTC is and why it's important.

To understand how you can support your child at home to be successful in the MTC.

What is the MTC?

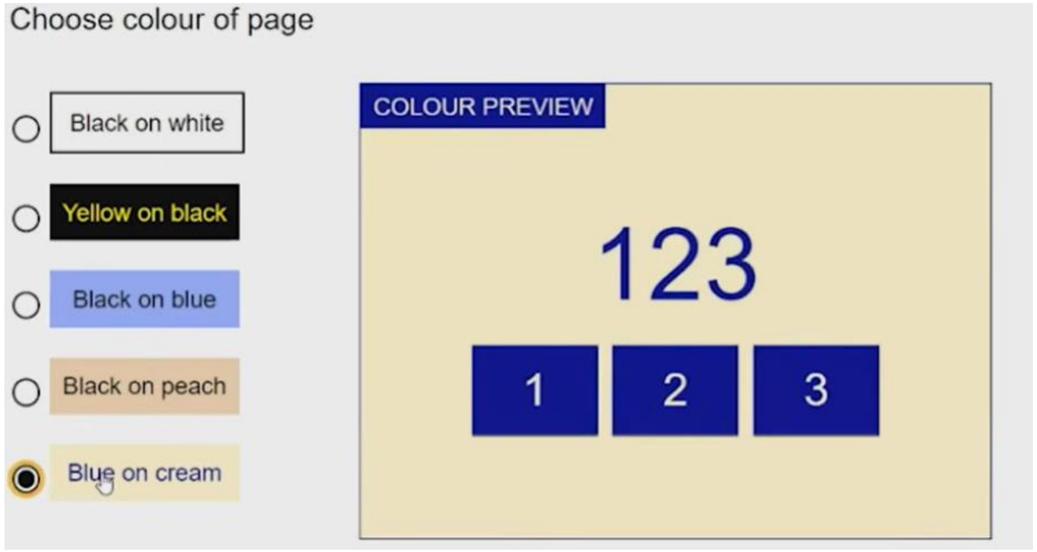
- The Year 4 Multiplication Tables Check is a requirement for all schools and will take place in June every year.
- The check is about finding out which children are struggling with their times tables so that they can get extra support.
- It is not a judgement on what your child can do.

What does it look like?



- The Multiplication Tables Check is an online test for pupils in Year 4.
- Pupils are asked to answer 25 questions on times tables up to 12 x 12.
- They are given six seconds per question and three seconds rest between each question.
- The test should last, on average, five minutes.

What does it look like?



- Access arrangements are given to some pupils with specific needs support them in taking the assessment
- These include: changing colour backgrounds, font sizes, extended pauses, having an inputter, audio version, etc.
- Teachers will assess children's needs and organise access arrangements accordingly

When do children learn their times tables?

- **Year 1:** begin to count in multiples of 2, 5 and 10.
- **Year 2:** be able to remember and use multiplication and division facts for the 2, 5 and 10s.
- **Year 3:** be able to remember and use multiplication and division facts for the 3, 4 and 8 multiplication tables.
- **Year 4: be able to remember and use multiplication and division facts for the 6, 7, 9, 11 and 12 multiplication tables.**
- **Year 5 and 6:** revision of all multiplication and division facts for the multiplication tables up to 12 x 12.

How we teach multiplication tables at WCPS

- Skip counting in the multiplication table we are learning
- Learning and memorising the multiplication facts
- Link the facts to the inverse division facts
- Practice times tables through regular early morning work, homework and Times Tables Rockstars practice online

Mastering Number at KS2



- This year, we have started a programme called Mastering Number at KS2
- This programme includes 10-15 minutes of extra times table learning and practice per day
- The children will overlearn their multiplication and division facts
- The programme also helps children to develop a stronger number sense

Why do we need the MTC?

- Questions from Arithmetic Paper 1 Maths SAT (2025)

$807 \times 8 =$

$\frac{5}{8} \div 3 =$

$72 \div \square = 9$

$4{,}104 \div 9 =$

$6 \times 832 =$

$84 \div 12 =$

$$\begin{array}{r} 614 \\ \times \quad 32 \\ \hline \end{array}$$

$$\begin{array}{r|l} 17 & 884 \end{array}$$

$896 \div 7 =$

$540 \div 6 =$

$12 \times 3 \times 10 =$

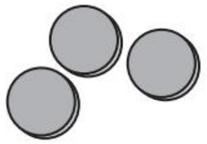
Why do we need the MTC?

- Learning in KS2 and beyond expects all children to have fluent times tables in order to be successful.
- If times table knowledge is not secure, it makes all future maths learning much harder.
- Having secure times tables makes maths literally easier for our children.
- It all clicks together!

Let's look at an example

Ali has 35 red counters.

He divides them into groups of 3



What is the **greatest** number of groups of 3 he can make?

1 mark

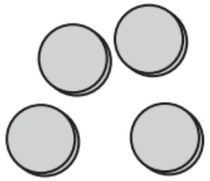
Questions from Reasoning Paper 2 Maths SAT (2025)

- If your child doesn't know their 3 times table, they will need to count up in 3s to 35 – this takes time and leaves room for error. They may then be confused that they can't count to 35 exactly!

Let's look at an example

Maria has 35 green counters.

She divides them into groups of 4



How many green counters does she have **left over**?

1 mark

Questions from Reasoning Paper 2 Maths SAT (2025)

- This is the exact same technique - if your child doesn't know their 4 times table, they will need to count in 4s and will still not reach 35 as a whole number.
- If your child struggled with these 1 mark questions, they will probably be feeling disheartened, lacking confidence and motivation on question 9/23!

Let's look at an example

Here is some information about a number:

- It has two digits
- It is a multiple of **7**
- One of the digits is **8**

Write **all** the possible numbers that the number could be.

2 marks

Questions from
Reasoning Paper 3
Maths SAT (2025)

- Now imagine facing this question without times table knowledge!

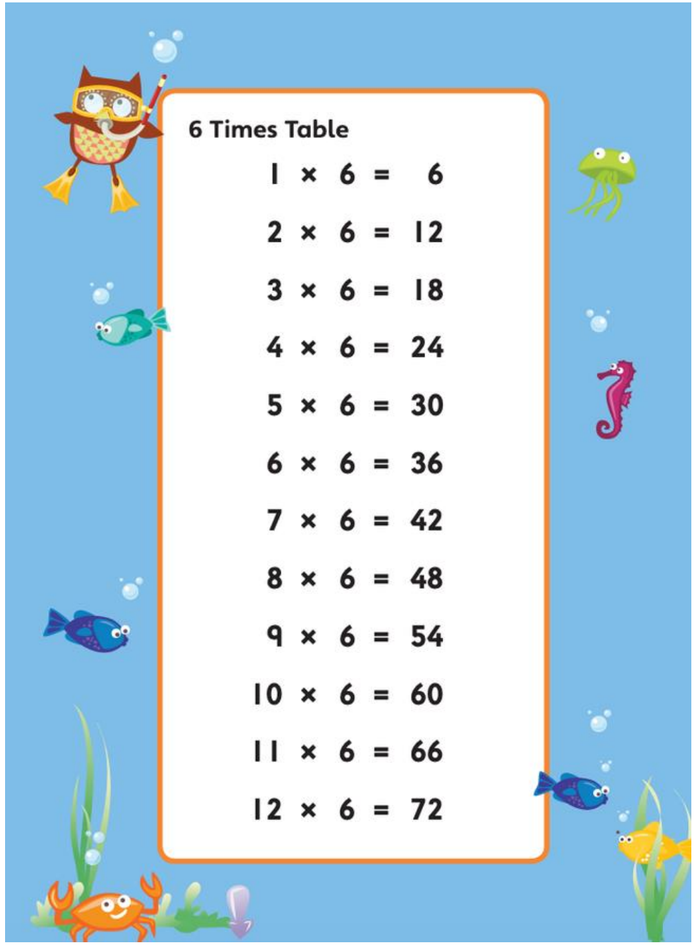
How can you support your child at home?



The best way to help your child learn their times tables is to incorporate it into your daily routine. With regular practice, your child will gain fluency and confidence in their times table facts.

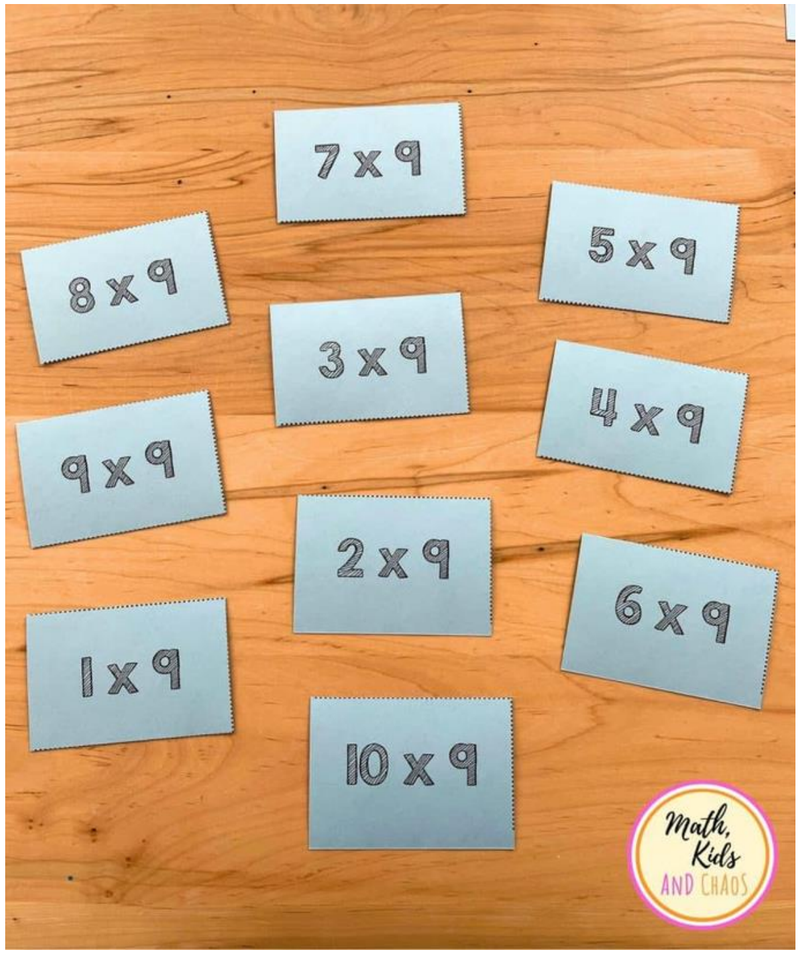
Times Table Wall Charts

- Wall charts show all the answers for a particular times table.
- For instance, you could put them over the sink so that your child will see them when they're brushing their teeth. You'll be amazed how quickly they learn when they see these number facts every day!



Play Times Table Games

- Games and challenges are a great way to support learning, and a few minutes a day will make all the difference. Using games keeps practice short and sweet, and makes the process much less of a chore for you and your child.
- For instance, you could play snap with some times table flashcards, matching the sums to the answers as fast as you can.



Make it Realistic

- If your child can’t see any point in learning their times tables, try showing them how this knowledge is useful in everyday life. Instead of just rote learning their times tables, try to create opportunities for your child to use multiplication in problem solving.
- For example, ask them to scale up a recipe or calculate whether they have enough money to buy more of their favourite things (such as sweets or football cards). This will help your child see the value of their learning.



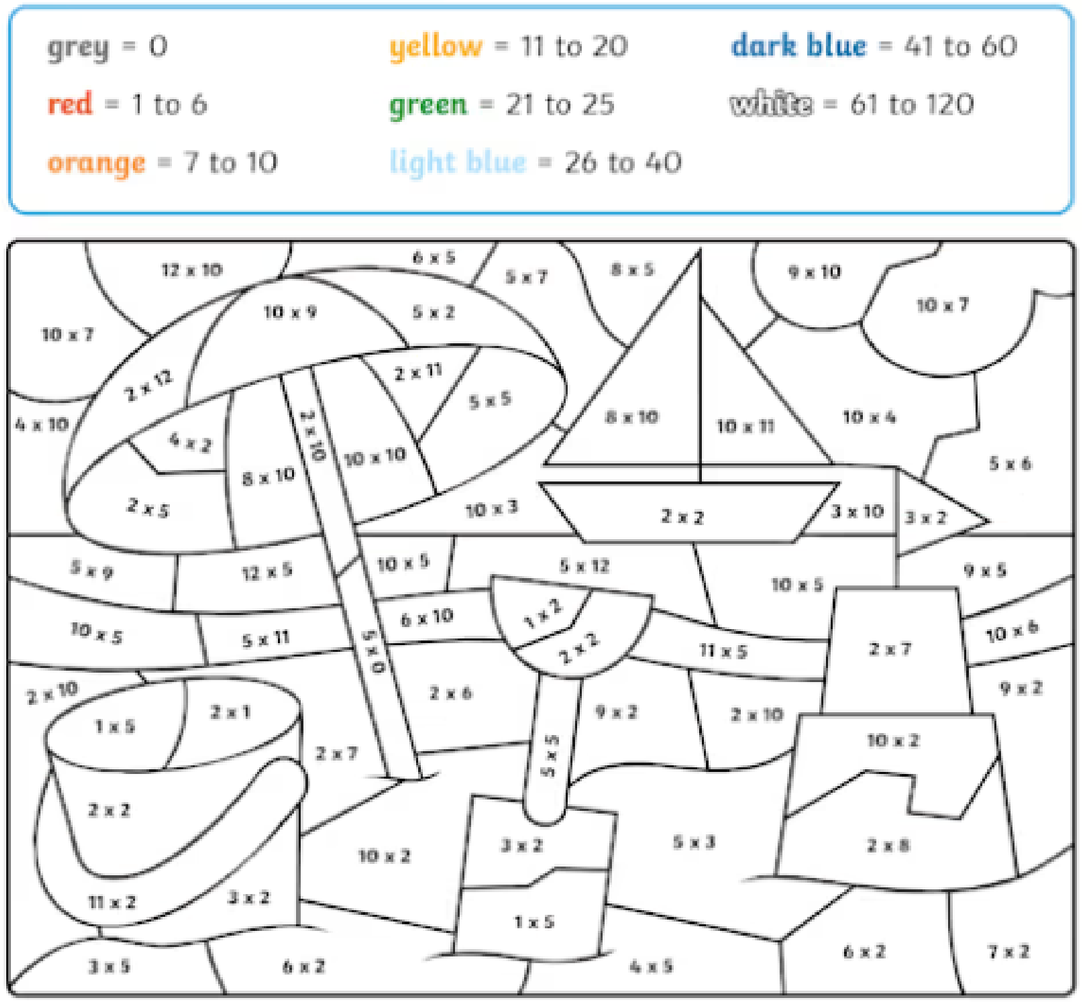
Times Table Walk

- On your journey to school, you can skip count the multiples and link them to specific memorable locations.
- This will help the children to visualise when trying to remember the facts.



Times Table Drawings/ Colourings

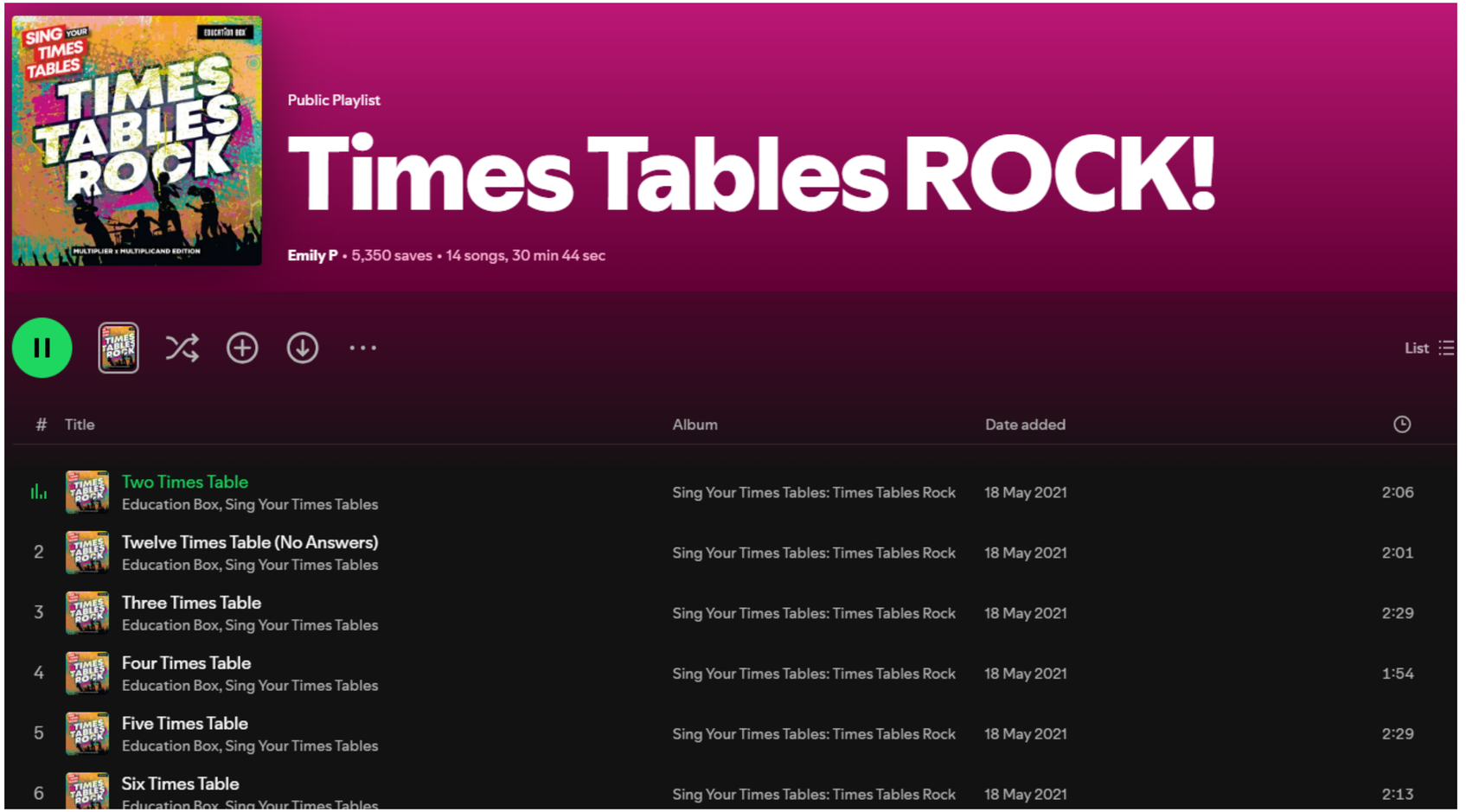
- There are lots of free online colouring pages that include times tables such as, colour by number or dot-to-dot step counting in multiples.



Times Table Songs

- YouTube has lots of fun singalongs that include times tables. You could play them while getting ready or cooking dinner!
- Spotify has songs and even podcasts all about times tables.




SING YOUR TIMES TABLES
EDUCATION BOX
TIMES TABLES ROCK
MULTIPLIER x MULTIPLICAND EDITION
Public Playlist
Times Tables ROCK!
Emily P • 5,350 saves • 14 songs, 30 min 44 sec
List
Title Album Date added
1 Two Times Table
Education Box, Sing Your Times Tables
Sing Your Times Tables: Times Tables Rock 18 May 2021 2:06
2 Twelve Times Table (No Answers)
Education Box, Sing Your Times Tables
Sing Your Times Tables: Times Tables Rock 18 May 2021 2:01
3 Three Times Table
Education Box, Sing Your Times Tables
Sing Your Times Tables: Times Tables Rock 18 May 2021 2:29
4 Four Times Table
Education Box, Sing Your Times Tables
Sing Your Times Tables: Times Tables Rock 18 May 2021 1:54
5 Five Times Table
Education Box, Sing Your Times Tables
Sing Your Times Tables: Times Tables Rock 18 May 2021 2:29
6 Six Times Table
Education Box, Sing Your Times Tables
Sing Your Times Tables: Times Tables Rock 18 May 2021 2:13

Practice Online

- Help your child become comfortable reading and answering questions on a screen.
- Engage with Times Tables Rockstars online for a few minutes a day or ask your class teacher for the printed questions to use instead.



NAME:_____

3s 4s 8s



SCORE

BASELINE

CHECK 1

CHECK 2

ROCK BOX

1	1 × 10 = _____	13	10 × 1 = _____
2	2 × 10 = _____	14	10 × 2 = _____
3	3 × 10 = _____	15	10 × 3 = _____
4	4 × 10 = _____	16	10 × 4 = _____
5	5 × 10 = _____	17	10 × 5 = _____
6	6 × 10 = _____	18	10 × 6 = _____
7	7 × 10 = _____	19	10 × 7 = _____
8	8 × 10 = _____	20	10 × 8 = _____
9	9 × 10 = _____	21	10 × 9 = _____
10	10 × 10 = _____	22	10 × 10 = _____
11	11 × 10 = _____	23	10 × 11 = _____
12	12 × 10 = _____	24	10 × 12 = _____

Continue here...

25	10 × 4 = _____	33	10 × 7 = _____
26	1 × 10 = _____	34	10 × 8 = _____
27	10 × 5 = _____	35	9 × 10 = _____
28	6 × 10 = _____	36	10 × 11 = _____
29	10 × 6 = _____	37	12 × 10 = _____
30	5 × 10 = _____	38	11 × 10 = _____
31	10 × 2 = _____	39	2 × 10 = _____
32	4 × 10 = _____	40	10 × 1 = _____

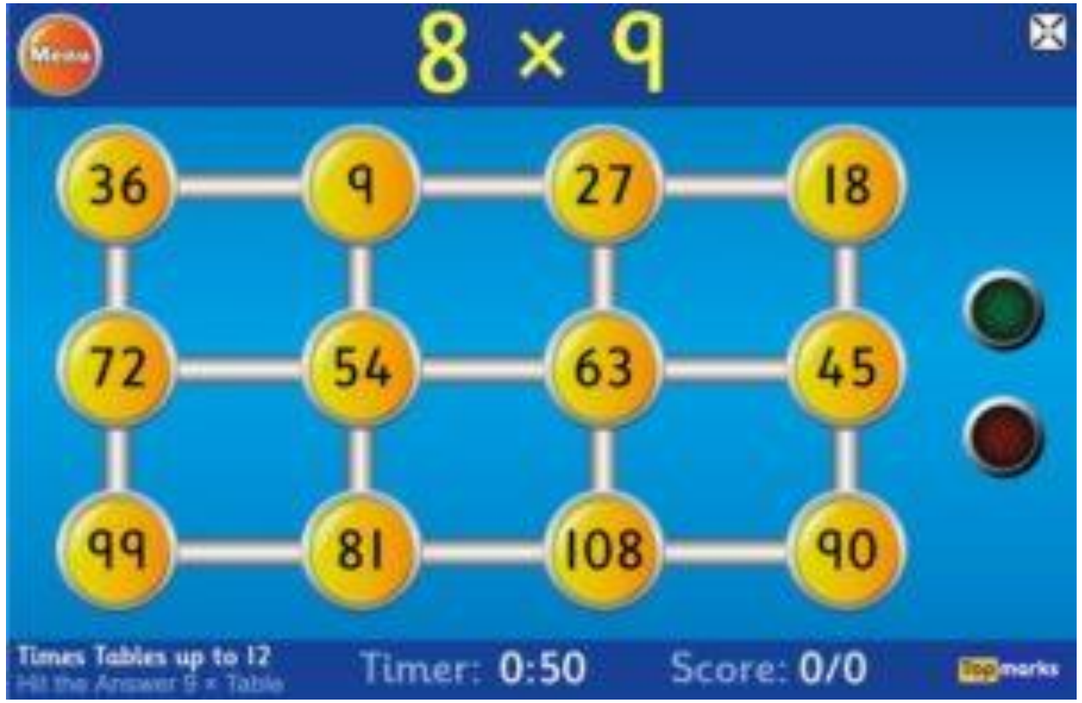
41	10 × 3 = _____	49	10 × 4 = _____
42	5 × 10 = _____	50	10 × 2 = _____
43	10 × 8 = _____	51	1 × 10 = _____
44	7 × 10 = _____	52	10 × 5 = _____
45	8 × 10 = _____	53	10 × 11 = _____
46	10 × 12 = _____	54	10 × 1 = _____
47	4 × 10 = _____	55	10 × 12 = _____
48	10 × 2 = _____	56	10 × 7 = _____
49	1 × 10 = _____	57	10 × 9 = _____
50	10 × 5 = _____	58	10 × 6 = _____
51	10 × 11 = _____	59	10 × 5 = _____
52	10 × 1 = _____	60	10 × 10 = _____
53	10 × 12 = _____	61	10 × 3 = _____
54	10 × 7 = _____	62	3 × 10 = _____
55	10 × 9 = _____		
56	10 × 6 = _____		
57	10 × 5 = _____		
58	10 × 10 = _____		
59	10 × 3 = _____		
60	3 × 10 = _____		

SCORE:

Grown-ups:
Can learners spot links between neighbouring questions?

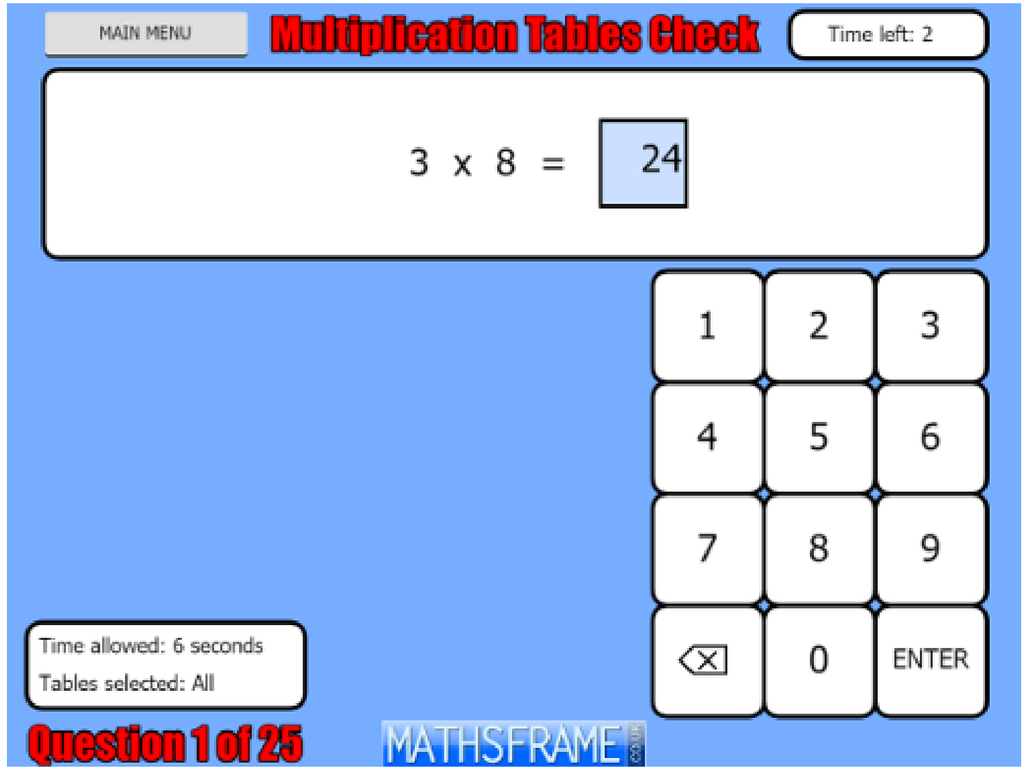
Practice Online

- Help your child become comfortable reading and answering questions on a screen.
- Play ‘Hit the Button’ online for a few minutes per day.



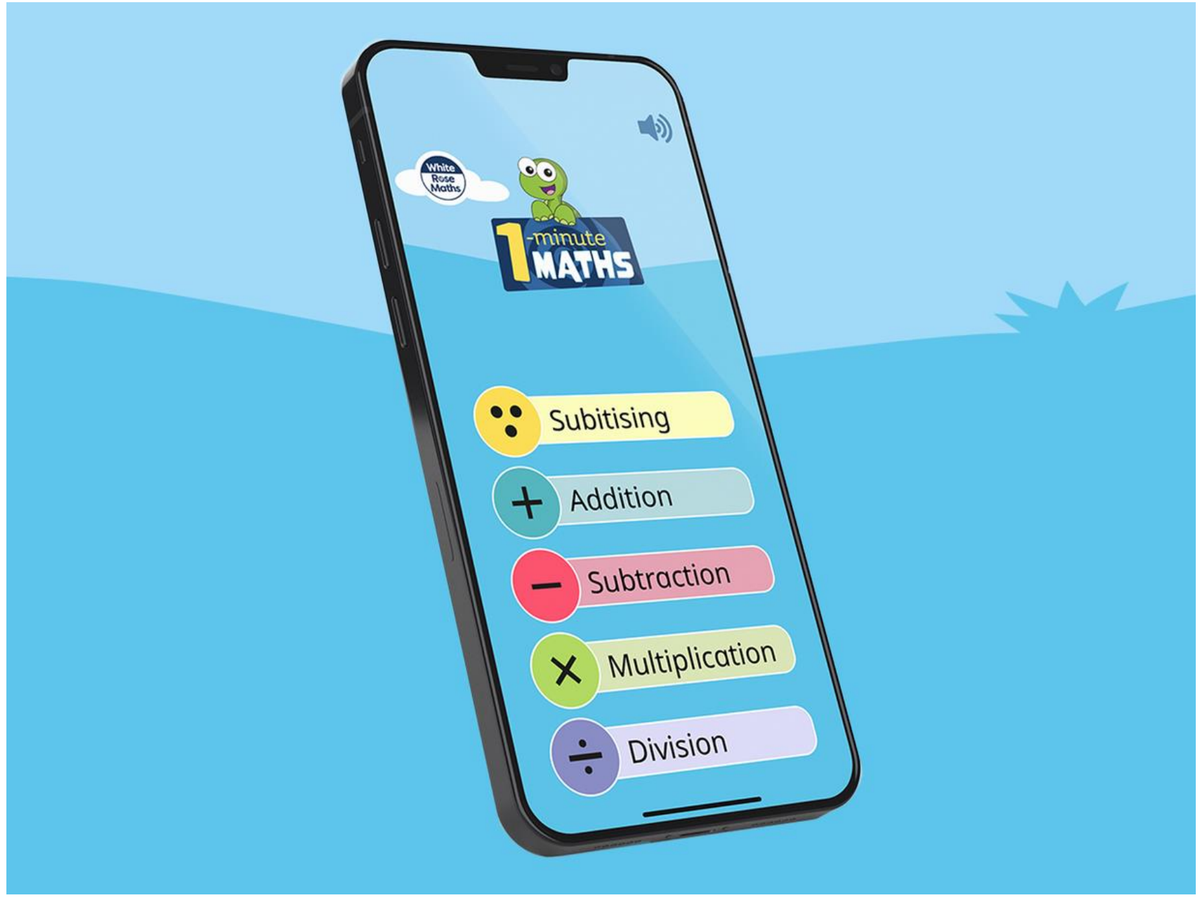
Practice Online

- Help your child become comfortable reading and answering questions on a screen.
- Play online using ‘Maths Frame’.



Practice Online

- Help your child become comfortable reading and answering questions on a screen.
- Download ‘1 Minute Maths’ – a free app from White Rose Maths to help practice for short bursts every day.

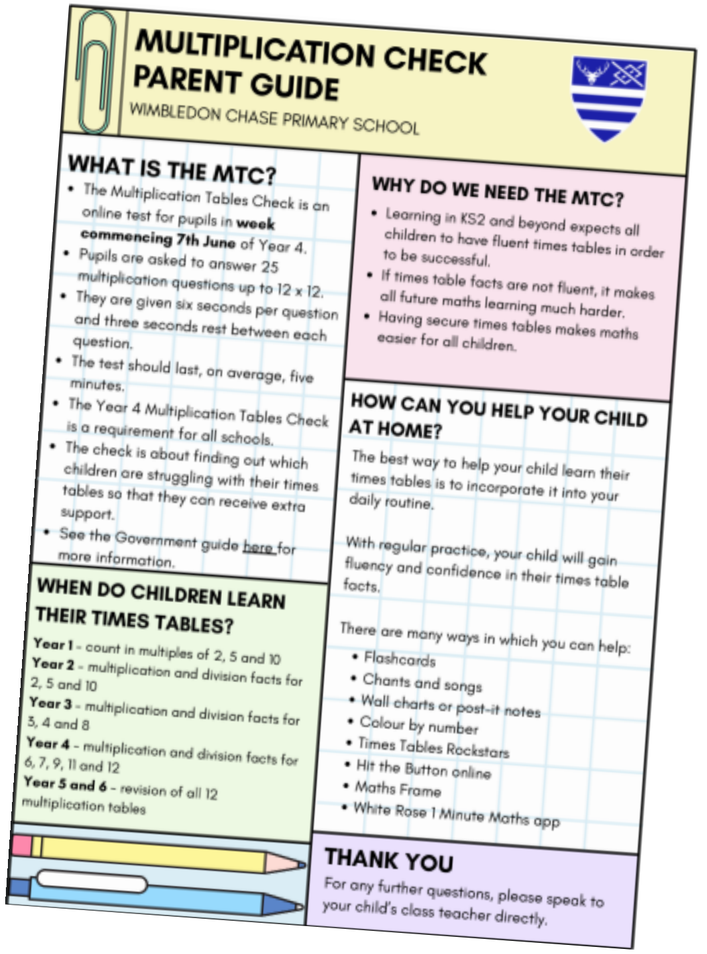


Happy Multiplying!

- Please collect a ‘Multiplication Parent Guide’ or find it available online here

- Any questions?





MULTIPLICATION CHECK PARENT GUIDE

WIMBLEDON CHASE PRIMARY SCHOOL

WHAT IS THE MTC?

- The Multiplication Tables Check is an online test for pupils in **week commencing 7th June** of Year 4.
- Pupils are asked to answer 25 multiplication questions up to 12 x 12.
- They are given six seconds per question and three seconds rest between each question.
- The test should last, on average, five minutes.
- The Year 4 Multiplication Tables Check is a requirement for all schools.
- The check is about finding out which children are struggling with their times tables so that they can receive extra support.
- See the Government guide here for more information.

WHEN DO CHILDREN LEARN THEIR TIMES TABLES?

Year 1 - count in multiples of 2, 5 and 10
Year 2 - multiplication and division facts for 2, 5 and 10
Year 3 - multiplication and division facts for 3, 4 and 8
Year 4 - multiplication and division facts for 6, 7, 9, 11 and 12
Year 5 and 6 - revision of all 12 multiplication tables

WHY DO WE NEED THE MTC?

- Learning in KS2 and beyond expects all children to have fluent times tables in order to be successful.
- If times table facts are not fluent, it makes all future maths learning much harder.
- Having secure times tables makes maths easier for all children.

HOW CAN YOU HELP YOUR CHILD AT HOME?

The best way to help your child learn their times tables is to incorporate it into your daily routine.

With regular practice, your child will gain fluency and confidence in their times table facts.

There are many ways in which you can help:

- Flashcards
- Chants and songs
- Wall charts or post-it notes
- Colour by number
- Times Tables Rockstars
- Hit the Button online
- Maths Frame
- White Rose 1 Minute Maths app

THANK YOU

For any further questions, please speak to your child's class teacher directly.

More Information

- https://www.gov.uk/government/collections/multiplication-tables-check
- https://ttrockstars.com/
- https://whiteroseeducation.com/1-minute-maths
- https://home.oxfordowl.co.uk/at-school/year-4-multiplication-tables-check/ (references)
- https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Check
- https://www.totcards.com/free-times-table-flashcards.html
- https://www.ncetm.org.uk/maths-hubs-projects/mastering-number-at-ks2/