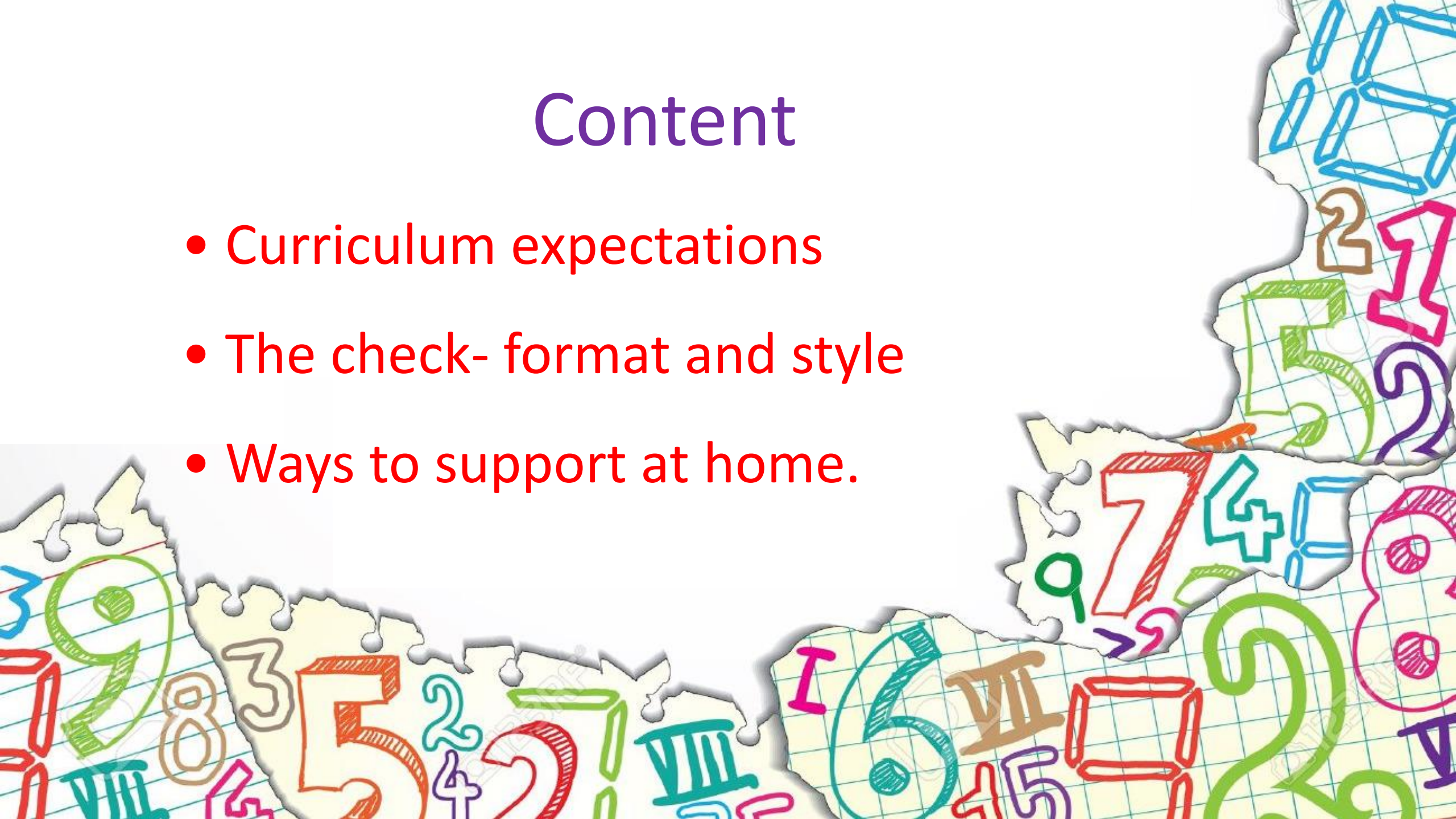




Y4 Multiplication Tables Check Parent/Carer Information

Content

- Curriculum expectations
- The check- format and style
- Ways to support at home.



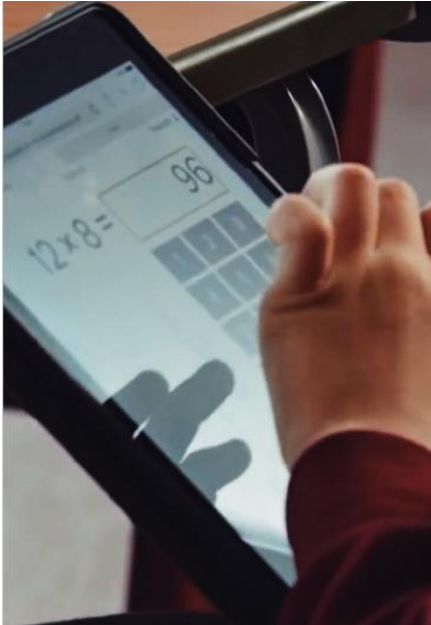
Curriculum Expectations

Expectations for times tables for each year group	
Year 1	Count in multiples of 2, 5 and 10. Recall and use all doubles to 10 and corresponding halves.
Year 2	Recall and use multiplication and division facts for the 2, 5 and 10 times tables including recognising odd and even numbers.
Year 3	Recall and use multiplication and division facts for the 3, 4 and 8 times tables.
Year 4	Recall and use multiplication and division facts for tables up to 12 x 12
Year 5	Revision of all times tables and division facts up to 12 x 12
Year 6	Revision of all times tables and division facts up to 12 x 12

Primary-school children are expected to know all their times tables up to 12x12 by the end of Year 4.



What is the purpose of the multiplication tables check?



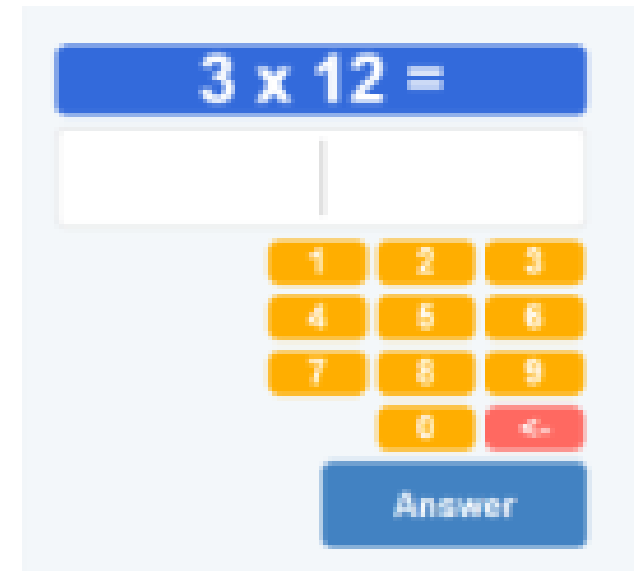
The MTC is statutory for all year 4 pupils in England

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.

How will children be assessed?

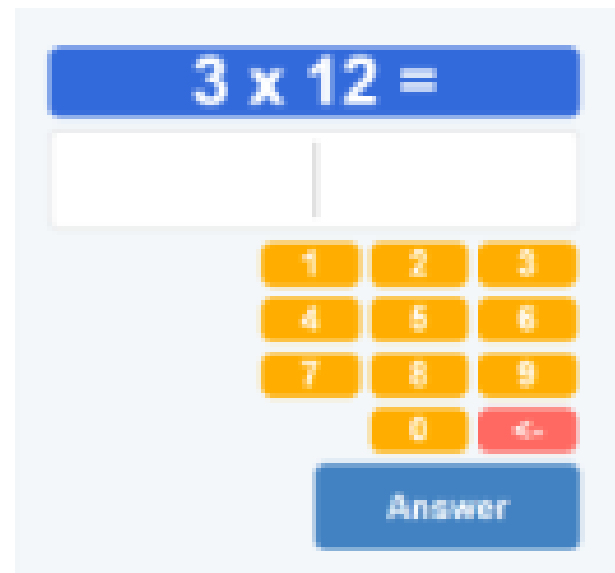
The MTC is an on-screen check consisting of 25 times tables questions. Your child will answer 3 practice questions before moving on to the official check, and will then have 6 seconds to answer each question. On average, the check should take no longer than 5 minutes to complete. We have been practising in class on [Multiplication Tables Check - Mathsframe](#)

Pupils will input their answers using a keyboard or a touchscreen. We have been practising on both.



When will children be assessed?

Schools have a 3-week check window from the 6th June -24th June to administer the MTC. We are aiming to do them between 13th and the 17th.



Learning Times Tables

- This diagram shows the 144 times tables multiplication facts that every child needs to commit to memory.
- Children need to be able to recall any times tables answer within two or three seconds. This leaves no time for counting the way up to the answer from $2x$, $3x$, $4x$ etc. – the answer has to ‘pop’ out of memory pretty much instantly.

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	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Why do we learn times tables?

In primary school, times-tables knowledge is vital for quick mental maths calculations and problem solving, as well as for many of the topics children learn in KS2 (division, fractions, percentages).

In secondary school, good multiplication skills are a great help when starting to learn algebra, as well as chemistry, physics, biology and Computing, all of which depend heavily on maths knowledge.

Being fluent in your times tables is essential for success in Mathematics.

Children who can't recall their times tables struggle in all areas of mathematics, due to cognitive overload.

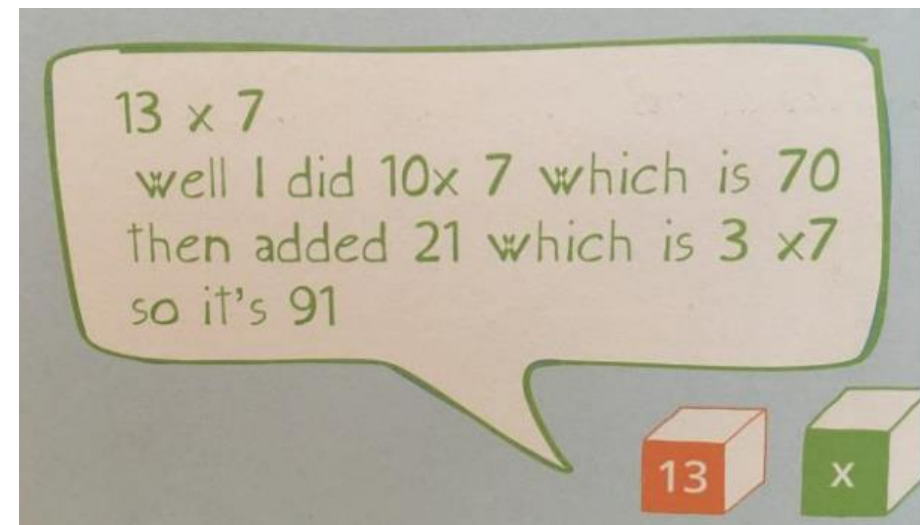


Why do we learn times tables?

- Automaticity with facts is essential so the mind is free to think about concepts.
- Children need to move away from inefficient counting strategies as quickly as possible.

BUT knowing your times tables is so much more than just memorisation.

Children aren't just thinking "I know this fact" but "I know this fact therefore I can work out this..."



Useful Tips



- Stick to one table at a time to minimise confusion. ☒
- Start with chanting and writing them out slowly in order. ☒
- Then move on to completing the answers quickly in order – on paper or verbally with your child. ☒
- Finally, move on to completing the answers in any order. ☒
- Keep reminding your child that 3×4 is the same as 4×3 – this effectively halves the number of tables facts children have to learn. ☒
- Each table has a square number 3×3 , 7×7 etc. These are special numbers that can act as a memory hook – emphasise them! ☒
- Talk about the numbers as you are encountering them “ $5 \times 7 = 35$ that’s our house number” – this makes more memory hooks.

Games to try at home...

Super Fingers!

This is a game for two players.

The game is basically a version of rock, paper, scissors but with numbers. Two players count to 3 and then make a number using their fingers.

Both players then have to multiply both numbers together and the quickest wins.

Games to try at home...

Multiplication Snap!

You will need a deck of cards for this game.

1. Flip over the cards as though you are playing snap.
2. The first to say the fact based on the cards turned over (2 and 3 say 6) gets the card.
3. The person to get all of the cards wins.



Useful Websites

- <https://www.topmarks.co.uk/maths-games/hit-the-button>
- <https://play.ttrockstars.com/auth/school/student/30021/password>
- <https://www.timestables.co.uk/times-tables-memory.html>
- <https://mathsframe.co.uk/en/resources/resource/477/Multiplication-Tables-Che>



Information for parents: 2022 multiplication tables check



For further information,
please click on the link
below. [Multiplication
tables check:
information for parents -
GOV.UK \(www.gov.uk\)](https://www.gov.uk/multiplication-tables-check-information-for-parents)

Questions?



Any questions ?