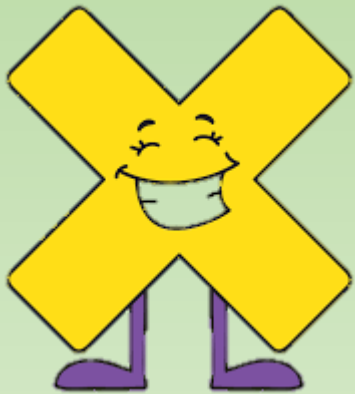


Year 4

Multiplication Tables Check

(MTC)



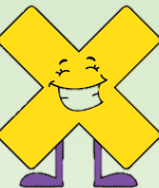
Mrs Lee and Mr Titley-Rawson
17th November 2022





Aims of the workshop

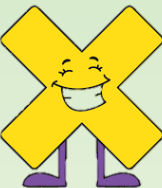
- To gain a stronger understanding of what the MTC is and what the expectations are
- To understand how, when and why the MTC will be administered
- To achieve a stronger understanding of how multiplication is taught
- To provide you with a range of strategies and websites you can use with your child at home





What were the times table expectations prior to the MTC?

- Primary school children were expected to know all of their times tables, up to 12×12 , by the time they reached Year 6 and they were not formally tested on them other than through multiplication questions in the Year 6 Maths SATS.



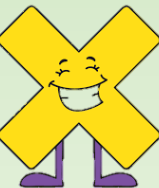


What are the times table expectations now?

- Under the current National Curriculum, children are supposed to know their times tables by the end of Year 4.
- National Curriculum

Pupils are taught to recall multiplication and division facts for multiplication tables up to 12×12

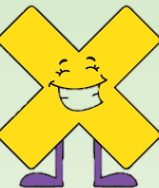
- The MTC only consists of multiplication facts.





What is the MTC?

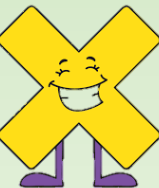
- The MTC was announced in September 2017 to commence in the summer term of 2019-2020.
- All state-funded schools and academies in England are required to administer the MTC.
- All eligible children will have their multiplication skills formally tested in June (three week window: 5th – 23rd).





How will the MTC be administered?

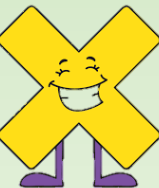
- Teachers can choose how to administer the test – individually, small groups or whole class.
- Children will complete the test using an iPad.
- They will have to answer questions against the clock.
- 25 questions
- 6 seconds per questions
- Children must press enter before the time runs out or their answer will not be counted!
- Each question will be worth one mark
- $\underline{\quad} \times \underline{\quad} = \underline{\quad}$
- The test will last no longer than 5 minutes.





How will the MTC be administered?

- Questions will be selected from the 121 number facts that make up the **2 – 12 times tables**, with particular **focus on 6, 7, 8, 9 and 12** as they are considered the most challenging.
- Each question will only appear once.
- The children won't be asked to answer reversals (i.e. if they've answered 3 x 4, they won't be asked 4 x 3).
- Once they have inputted their answer, there will be a three second pause before the next question appears.
- There will be three practise questions before the check begins.



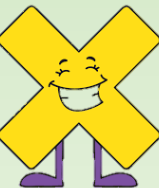
How will the MTC be administered?





Scoring of the MTC

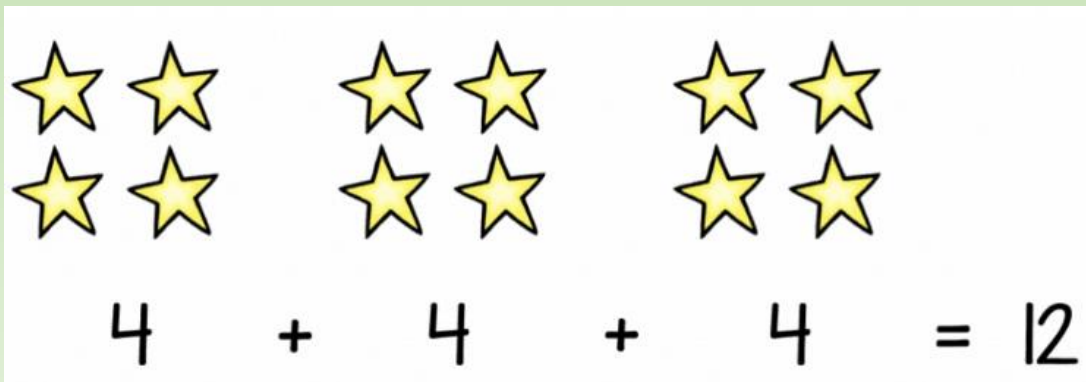
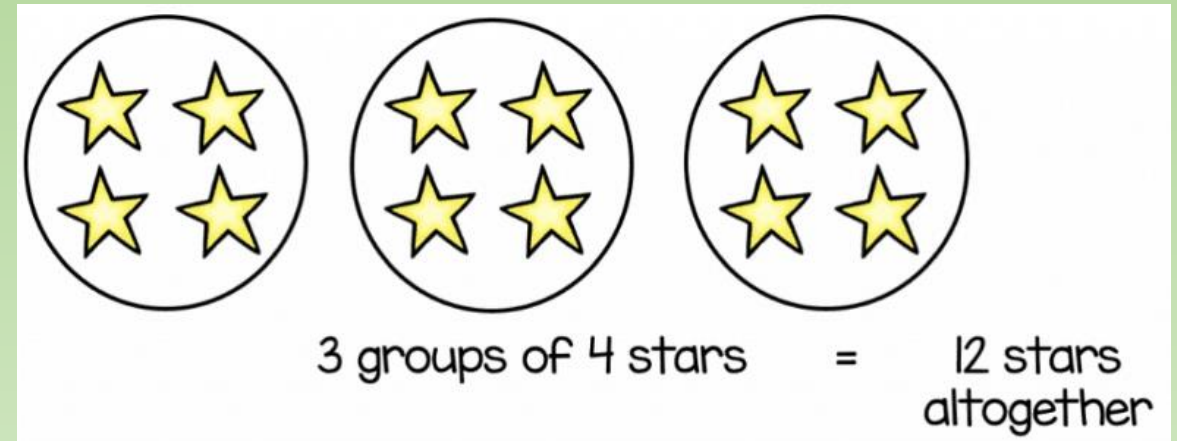
- It will be automatically scored and results will be available to schools once the assessment window closes.
- Pupils will not see their individual results after completing the check.
- Schools can see the results from 26th June.
- Children **are not given a pass or fail mark** – the test is designed to give teachers an idea of whether pupils require further support.
- The DfE will create a report to track standards over time.
- National and local authority results will be reported by the DfE to allow schools to benchmark the performance of their pupils.





How will we prepare for the MTC (KS1)?

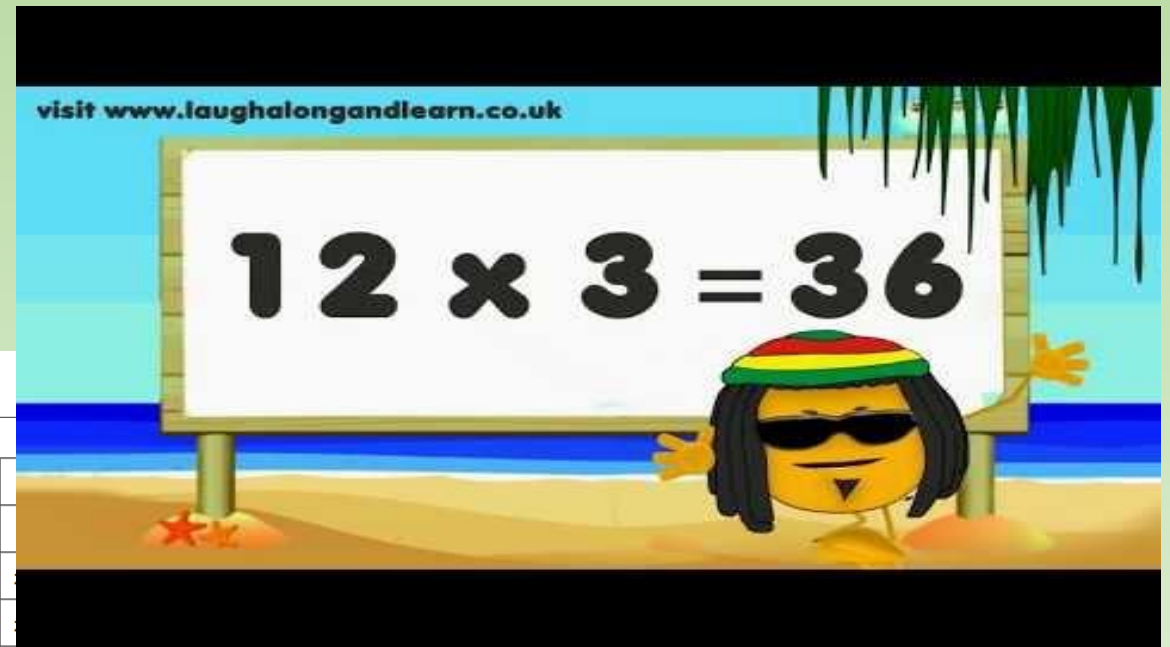
- Teaching times table facts (2, 5 and 10)
 - Counting in 2s, 5s and 10s
 - Looking for patterns
 - Repeated addition
 - Pictures
 - Arrays
 - Bar models
 - Number families (commutative law)





How will we prepare for the MTC (LKS2)?

- Learn new multiplication facts (similar to KS1)
- Daily recall tasks
- Multiplication games
- Times Table Rockstars
- Songs
- Practise online – 17th April




Multiplication Dice Game Worksheet

Name _____ Date: _____

How to play:

1. Roll a pair of dice.
2. Multiply your 2 numbers.
3. Colour your answer in on the grid.
4. First one to colour 4 in a row wins!



18	12	24	8	10	24		
36	30	12	9	2	5		
4	24	4	8	6	8		
10	12	25	15	20	6		
36	12	12	30	5	12	5	30
10	25	1	9	5	6	10	20
18	20	9	10	16	15	4	3
1	30	4	20	2	3	6	15



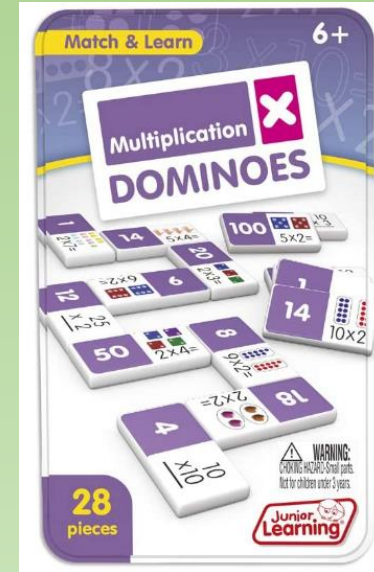
How can you help your child prepare for the MTC?



- 10 minutes per day
- Recall multiplication facts
- Times Table Rockstars - Soundcheck
- Games involving multiplication
- Practical learning
- Interactive games www.topmarks.co.uk



MULTIPLICATION TABLE			
1x 1 x 1 = 1 2 x 1 = 2 3 x 1 = 3 4 x 1 = 4 5 x 1 = 5 6 x 1 = 6 7 x 1 = 7 8 x 1 = 8 9 x 1 = 9 10 x 1 = 10 11 x 1 = 11 12 x 1 = 12	2x 1 x 2 = 2 2 x 2 = 4 3 x 2 = 6 4 x 2 = 8 5 x 2 = 10 6 x 2 = 12 7 x 2 = 14 8 x 2 = 16 9 x 2 = 18 10 x 2 = 20 11 x 2 = 22 12 x 2 = 24	3x 1 x 3 = 3 2 x 3 = 6 3 x 3 = 9 4 x 3 = 12 5 x 3 = 15 6 x 3 = 18 7 x 3 = 21 8 x 3 = 24 9 x 3 = 27 10 x 3 = 30 11 x 3 = 33 12 x 3 = 36	4x 1 x 4 = 4 2 x 4 = 8 3 x 4 = 12 4 x 4 = 16 5 x 4 = 20 6 x 4 = 24 7 x 4 = 28 8 x 4 = 32 9 x 4 = 36 10 x 4 = 40 11 x 4 = 44 12 x 4 = 48
5x 1 x 5 = 5 2 x 5 = 10 3 x 5 = 15 4 x 5 = 20 5 x 5 = 25 6 x 5 = 30 7 x 5 = 35 8 x 5 = 40 9 x 5 = 45 10 x 5 = 50 11 x 5 = 55 12 x 5 = 60	6x 1 x 6 = 6 2 x 6 = 12 3 x 6 = 18 4 x 6 = 24 5 x 6 = 30 6 x 6 = 36 7 x 6 = 42 8 x 6 = 48 9 x 6 = 54 10 x 6 = 60 11 x 6 = 66 12 x 6 = 72	7x 1 x 7 = 7 2 x 7 = 14 3 x 7 = 21 4 x 7 = 28 5 x 7 = 35 6 x 7 = 42 7 x 7 = 49 8 x 7 = 56 9 x 7 = 63 10 x 7 = 70 11 x 7 = 77 12 x 7 = 84	8x 1 x 8 = 8 2 x 8 = 16 3 x 8 = 24 4 x 8 = 32 5 x 8 = 40 6 x 8 = 48 7 x 8 = 56 8 x 8 = 64 9 x 8 = 72 10 x 8 = 80 11 x 8 = 88 12 x 8 = 96
9x 1 x 9 = 9 2 x 9 = 18 3 x 9 = 27 4 x 9 = 36 5 x 9 = 45 6 x 9 = 54 7 x 9 = 63 8 x 9 = 72 9 x 9 = 81 10 x 9 = 90 11 x 9 = 99 12 x 9 = 108	10x 1 x 10 = 10 2 x 10 = 20 3 x 10 = 30 4 x 10 = 40 5 x 10 = 50 6 x 10 = 60 7 x 10 = 70 8 x 10 = 80 9 x 10 = 90 10 x 10 = 100 11 x 10 = 110 12 x 10 = 120	11x 1 x 11 = 11 2 x 11 = 22 3 x 11 = 33 4 x 11 = 44 5 x 11 = 55 6 x 11 = 66 7 x 11 = 77 8 x 11 = 88 9 x 11 = 99 10 x 11 = 110 11 x 11 = 121 12 x 11 = 132	12x 1 x 12 = 12 2 x 12 = 24 3 x 12 = 36 4 x 12 = 48 5 x 12 = 60 6 x 12 = 72 7 x 12 = 84 8 x 12 = 96 9 x 12 = 108 10 x 12 = 120 11 x 12 = 132 12 x 12 = 144





To summarise

- 5th – 23rd June
- 25 questions
- 6 seconds each
- Focus on 6, 7, 8, 9 and 12 times tables
- Completing check on an iPad
- No pass mark
- Lots of practise at school and home
- Information for parents online

Questions?

