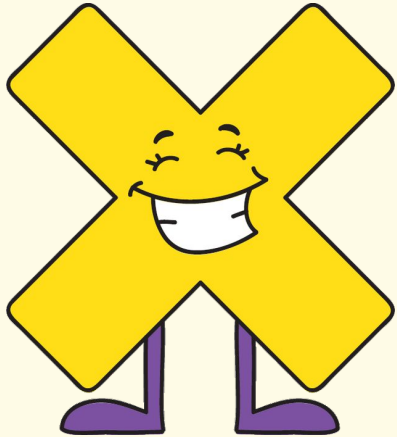


Stapleford Community Primary School's times tables cafe



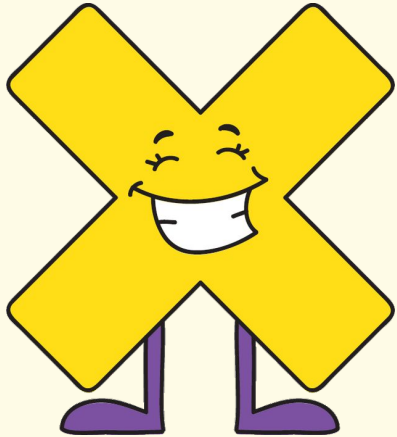
Wednesday 29th February 2025

- What is the times tables check?
- Vocabulary
- How do we teach times tables at Stapleford?
- How can you help your child at home?



What is the Y4 times tables check?

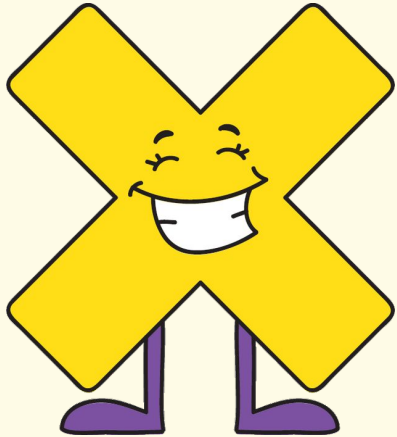
All state-funded maintained schools and academies in England are required to administer an online multiplication tables check (MTC) to year 4 pupils in June. **This year, they will take place between the Monday 2nd and Friday 13th June.**



The purpose of the Multiplication Tables Check is to determine whether pupils can recall their times tables fluently. The national curriculum specifies that pupils should be taught to recall the multiplication tables up to and including **12×12** by the end of year 4.

Why are times tables so important?

- Support with multiplication and division (written methods and reasoning)
- Spotting patterns and making mathematical links
- Fractions (eg finding common denominators, relationships between fractions)
- Percentages
- Converting between units of measure
- Finding area/ volume
- Algebra and ratio



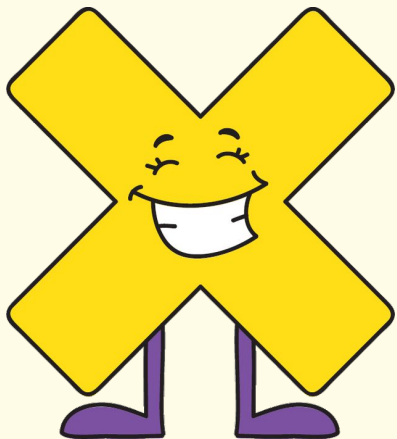
What is the Y4 times tables check?

Schools have the flexibility to administer the check to **individual pupils, small groups or a whole class at the same time.**

The test will be delivered **as an online, on-screen digital assessment.**

It will be automatically scored, and results will be available to schools once the assessment window closes.

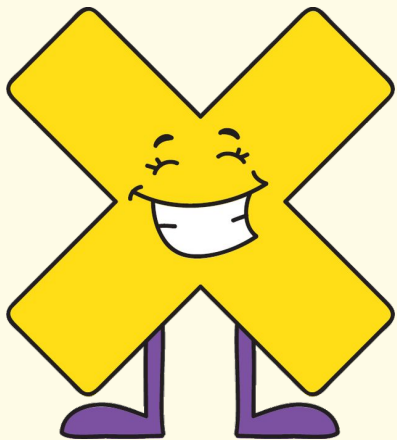
A time limit of **6 seconds per question (with a 3 second gap between)** has been set for the MTC (Multiplication Tables Check) and there will be 25 questions worth one mark each.



What is the format?

The times tables test will be timed, with the entire assessment lasting approximately 5 minutes in total.

The children will be set a handful of practice questions to begin with. Following the practice questions, the test itself will comprise of 25 questions, all formatted, for example, as $2 \times 5 =$ with the child required to input the product or result.



$$2 \times 2 =$$

What tables will be checked?

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

The questions will be randomly selected by the testing programme from 121 different options, ranging from $2 \times 2 =$ up to 12×12 . The test's software has been programmed to show children more questions from the 6, 7, 8, 9 and 12 times tables, as these times tables are focused on more in Years 3 and 4.

How will the results be reported?

Each child's result will be passed on to their school, and the DfE will create a report on overall results across all schools in England to measure whether national times tables results improve over the coming years.

At the end of the assessment window, a total score out of 25 will be reported to each school for all of their pupils who took the check. There will be no expected standard threshold for the MTC.

A school's results will not be published in any public way, nor will they be used in informing any type of league or performance table.

Vocabulary

- Multiplicand
- Multiplier
- Product
- Factor
- Commutativity
- Arrays
- Divisible by
- Repeated addition
- Distributive law

The diagram shows the equation $6 \times 8 = 48$ enclosed in a red rectangular border. Three blue arrows point from labels to parts of the equation: one from 'Multiplicand' to the number 6, one from 'Multiplier' to the number 8, and one from 'Product' to the number 48. The labels are written in a blue, italicized serif font.

$$\begin{array}{ccc} \text{Multiplicand} & & \text{Product} \\ & \searrow & \swarrow \\ & 6 \times 8 = 48 \\ & \nearrow & \\ & \text{Multiplier} & \end{array}$$

The multiplicand is the size of the group.

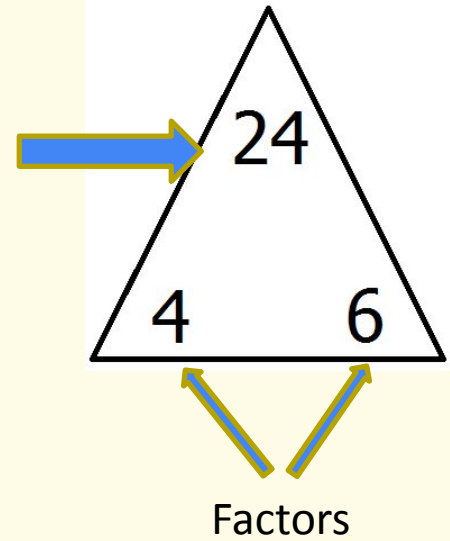
The multiplier is the number of groups.

They are both factors of the product.

Vocabulary

- Multiplicand
- Multiplier
- Product
- Factor
- Commutativity
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- Divisible by
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Product



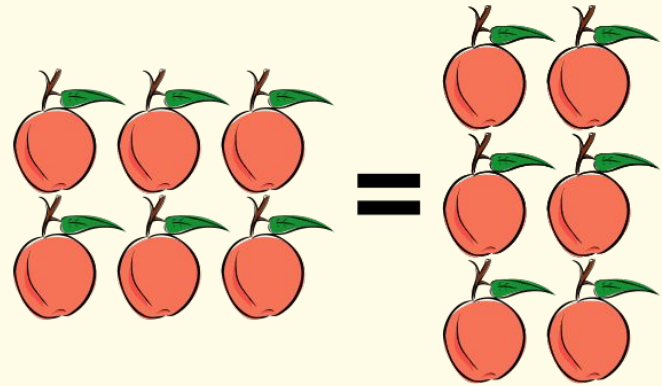
The product is made by multiplying the factors.

The product is divisible by both factors.

Vocabulary

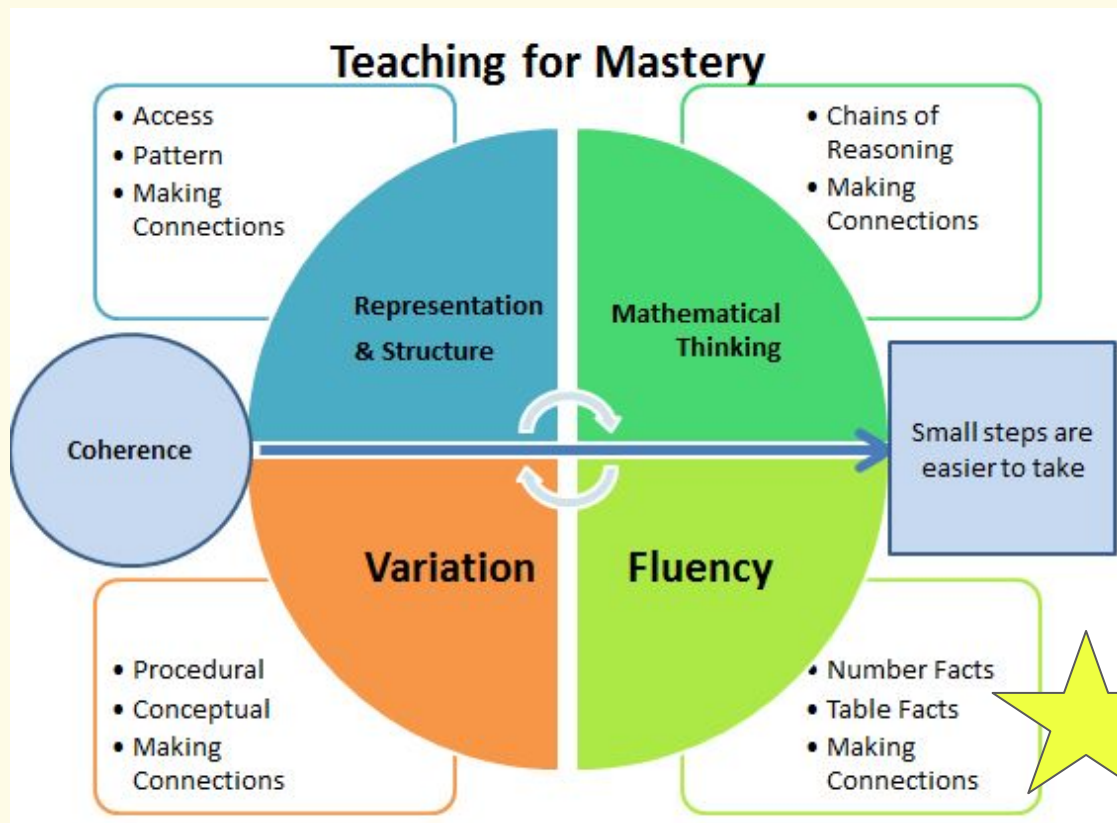
- Multiplicand
- Multiplier
- Product
- Factor
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- Divisible by
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The product of two factors is the same either way round, e.g. $3 \times 2 = 6$ and $2 \times 3 = 6$



Arrays can help us to represent multiplication facts. Arrays can help us to show the factors, product and related division facts. Arrays also link closely to calculating area, and to the grid method.

How do we teach times tables at Stapleford?



Fluency

- Quick and efficient recall of facts and procedures and the flexibility to move between different contexts and representations of mathematics

How do we teach times tables at
Stapleford?

Table 1 - learning the 17 times table with the
counting stick

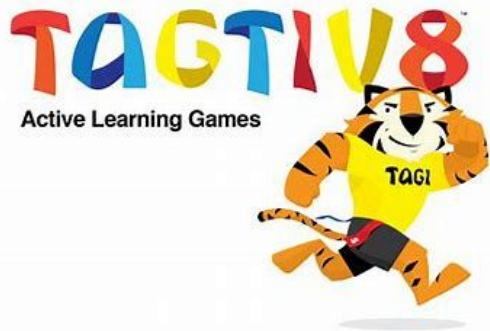
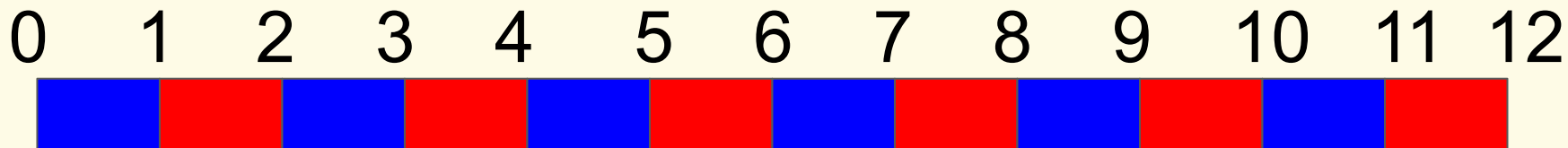


Table 2 - Active tables

Outside on the back playground - Tagtiv8

*Please indicate interest to Miss Atkins and
she will take groups out*

How do we teach times tables at
Stapleford?

Table 3 - times tables games (dice and Totality)



Table 4 - Concrete, pictorial,
abstract

How do we teach times tables at
Stapleford?
Table 5 - If I know, I also know ...

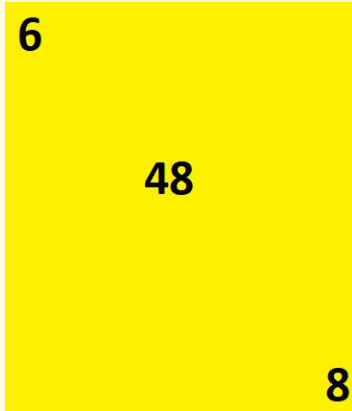
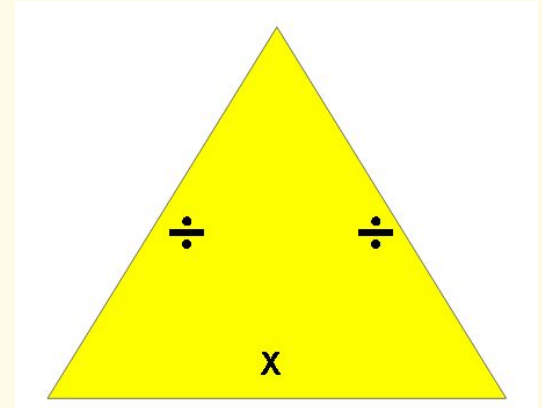


Table 6 - The inverse



How do we teach times tables at Stapleford?

Table 7 - Multiplication games

x	6	7	8	9
4				
7				
3				
10				

Table 8 - Spotting patterns

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Try out some activities!

Table 1 - Learn the seventeen times table

Table 2 - Active Maths (and Tagtiv8)

Table 3 - Multiplication games

Table 4 - Concrete, pictorial, abstract

Table 5 - If I know, I also know

Table 6 - The inverse

Table 7 - Multiplication games

Table 8 - Spotting patterns

Table 9 - Mathletics and Times Table Rockstars

How can I help my child at home?

Activity pack
Maths at home pack

Online games
Times tables rockstars

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



Any Questions?