

# Year 4 Times Tables Check

Parent Meeting Thursday 14<sup>th</sup> November 2019

# New Primary School Times Tables Tests Explained

- ▶ Primary-school children are expected to know all their [times tables](#) up to 12x12. Under the current [National Curriculum](#), children are supposed to know their times tables by the end of [Year 4](#), but are currently are not formally tested on them.

## ▶ Which children will sit the multiplication check?

- ▶ The times tables test will be introduced in English schools only. **It will be taken by children in Year 4, in the summer term (in June).**
- ▶ In June 2019 the multiplication check will be voluntary (schools will be able to decide whether to administer it or not). **In June 2020 it will become compulsory** for all English schools.

## ▶ How will children be tested?

- ▶ Children will be tested using an on-screen check, where they will have to answer multiplication questions against the clock. **The test will last no longer than 5 minutes** and their answers will be marked instantly.

## ► What if a child doesn't do well in the multiplication check?

- The DfE says the purpose of the check is to help teachers identify which children are falling behind and target areas where they're not being given a chance to succeed.
- School-level results won't be made publicly available or be used in league tables.
- There will be no “pass mark” or no child will “fail” the test. Multiplication facts will be the only things tested (there will be no problem-solving in the check).

# Learning Times Tables

- ▶ Tables seem easy when children have learned them, but the prospect of having to learn them drives fear into children - and this in turn has a negative effect on learning.
- ▶ 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

In the table below are the National Curriculum times tables expectations for each year group. The children will need these skills regularly in school to support their learning.

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



# Language and Times Tables

- ▶ There are many different ways to say the tables and they're all correct - but it helps if you're consistent and if you adopt the language your child already uses in school. For example we have;
  - ▶ Three times eight is...
  - ▶ Three multiplied by eight...
  - ▶ Three eights are...
  - ▶ Three lots of eight...
  - ▶ Three of groups of eight..

# 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  $3 \times 4$  is the same as  $4 \times 3$  - this is effectively halves the number of tables facts.
- ▶ Each table has a square number  $3 \times 3$ ,  $7 \times 7$  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.



# Maths Games

- ▶ [www.topmarks.co.uk](http://www.topmarks.co.uk)

- ▶ Hit the Button
- ▶ Coconut Multiples <https://www.topmarks.co.uk/times-tables/coconut-multiples>
- ▶ Maths Fishing
- ▶ Times Tables Grid

- ▶ [www.timetables.co.uk](http://www.timetables.co.uk)

- ▶ Times Tables Shooting
- ▶ Times Tables Memory
- ▶ Spuq Balloons
- ▶ Times Tables Rally <https://www.timetables.co.uk/rally.html>

# A free resource online that is designed like the test

- ▶ <https://www.timestables.co.uk/multiplication-tables-check/>

## Multiplication tables check

The screenshot shows the Multiplication Tables Check interface. On the left, there is a circular timer displaying '00:03' and a blue box with a checkmark icon and the text '18 / 25'. The main area features a blue box with the multiplication problem '8 x 11 ='. Below this is a large white input field with a vertical cursor. To the right of the input field is a numeric keypad with buttons for digits 1 through 9, 0, a backspace button labeled '<-', and an 'Enter' button.

# Thank you!

- ▶ Thank you for coming along this afternoon. I hope you have found the meeting useful and that you are leaving with a few extra ideas on how to support your child at home.
- ▶ If you have any questions then please just ask!