

Year 4 Multiplication Tables Check

Thursday 23rd March 2023

Why are times tables so important?

- If your child learns their times tables, this will allow them to solve:
- Multiplication problems
- Division problems
- Understanding fractions
- Ratio and proportion
- Calculating area and perimeter etc.

Which order do we learn our times tables in at Northside?

- We follow the Singapore order as we follow a 'Mastery' curriculum.
- The children learn their times tables in this order:
- 10, 5, 2, 4, 8, 3, 6 , 9 , 12, 11 and 7
- Can anyone suggest why?

How do we learn the times tables in Year 4?

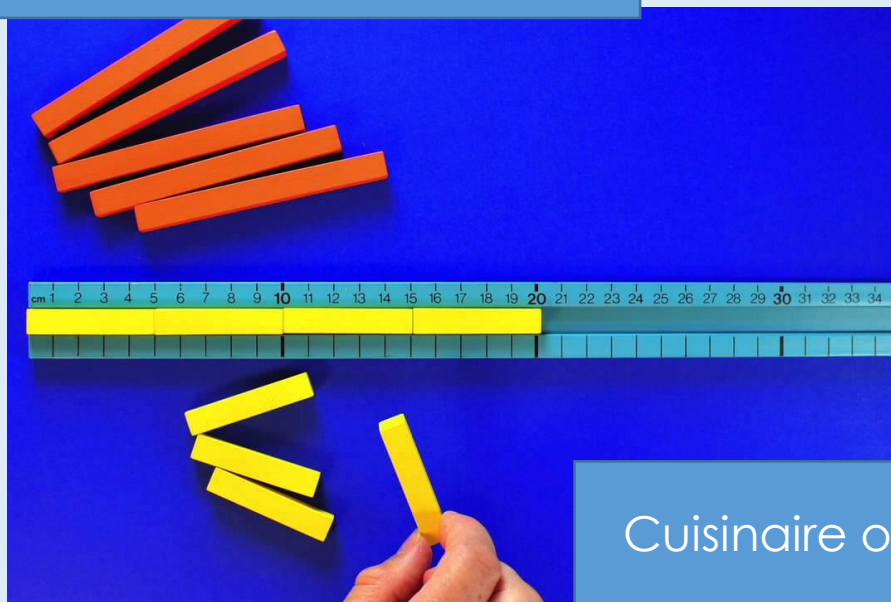
- Children should arrive in Year 4 from Year 3 knowing their 10, 5, 2, 4, 8 and 3 times tables.
- We teach times tables at the start of Maths lessons every week (in lots of different ways) and then test the children once per week (every Friday).

Here are some of the pieces of equipment we use to help children to 'make' and visualise their times tables.

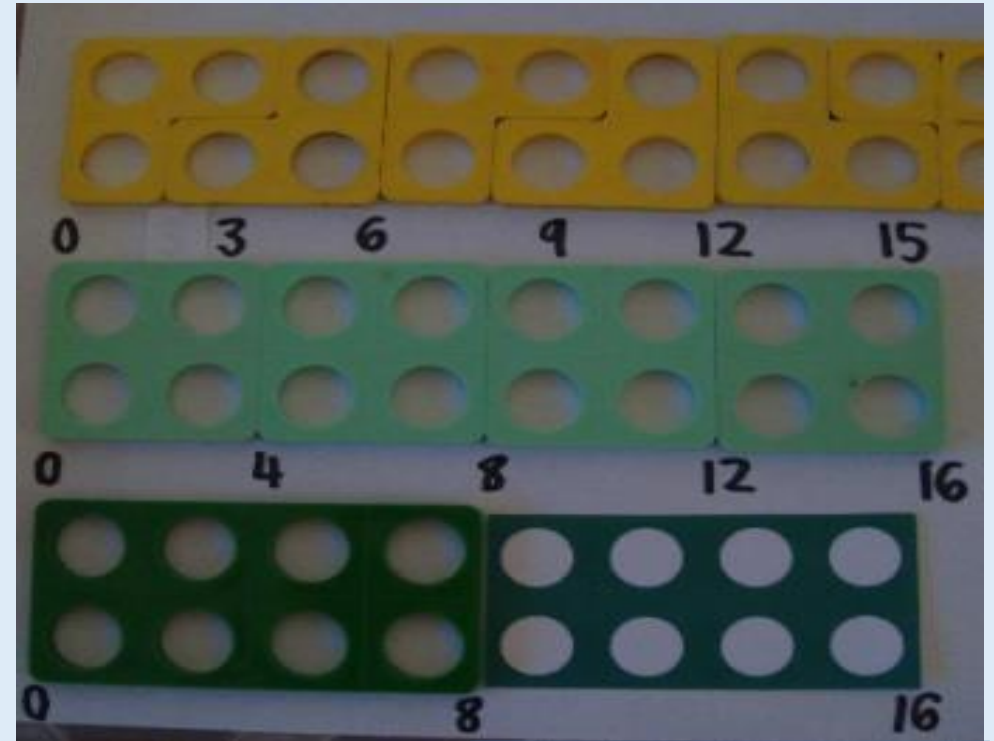
They start by being familiar with the multiples.



Counting sticks with post it note labels



Cuisinaire or 'number rods'



Numicon

Talk to your children about the patterns that they can spot.

Numicon Display Resources
Patterns on a 100 Square – Sheet 1 of 11

numicon
a clear image for maths

**What patterns
can you see on
the 100 squares?**

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Numicon_pc...Square.pdf X

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For example: What do you notice about all of the multiples of 10?

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

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11	12	13	14	15	16	17	18	19	20
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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

When you count in 2s, all of the numbers either end in....

All of these numbers are....

Remember to encourage counting on their fingers first!

- Research shows that counting on your fingers boosts brain power and allows children to learn.
- After a while, when they feel ready, they won't need to do this.

We encourage children to make connections.

- If you know 10×6 , how can you use that to help you to work out 9×6 ?

The Amazing 9 x Table Trick!



The Amazing 9 x Table Trick

Impress your friends with this clever way of finding the answer to 9 x table questions. Just follow these simple instructions.

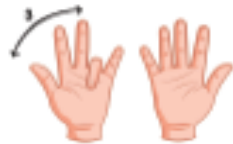
What to do



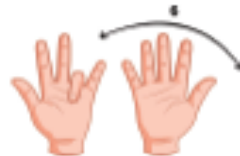
1. Hold out both hands in front of you.



2. To find 4×9 , count in 4 fingers from the left, and hold down this finger.



3. Count all the fingers before the one that's held down – 3. This is the first number in your answer.



4. Count all the fingers after the one that's held down – 6. This is the last number of your answer.

So the answer to 4×9 is 3 then 6... 36

To find the answer to another 9 x table question, just hold down the correct finger and count the fingers on either side. So you hold down your 5th finger for 5×9 , your 7th finger for 7×9 , and so on.

How do we practise recalling the times table facts?

Games, games and more games!

- Pairs
- Snap
- Loop games
- Bingo!
- Connect 4

Useful websites:

- [Timestable.co.uk](https://www.timestable.co.uk)
- Hit the button
- Topmarks (go into the learning games section)
- Mathsframe Multiplication Tables Check
- The free White Rose '1 minute Maths' app



“My child already knows their times tables”. What do they do in class?

- The children play fluency games (these are games which improve the children's knowledge of maths facts)
- They also play games with different combinations of tables
- They play games involving division facts
- The children practise recalling the tables at speed
- They apply their times tables to problem solving tasks

What is the upcoming MTC?

- The MTC is a short test that all Year 4 students will need to take.
- The test consists of 25 questions with 3 practise questions (for children to warm up with)
- They will need to answer within 6 seconds.
- The children will use an i-pad.
- It should take no longer than 5 minutes for them to sit the test.
- The children will sit the test individually.

There will be more questions on certain 'trickier' times tables:

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

There is an emphasis on the 6, 7, 8, 9 and 12 multiplication tables because these have been determined to be the most difficult multiplication tables.

Have a go yourself!

- Google search '**Mathsframe Multiplication Tables Check**' on the ipad.

The test needs to be sat between Monday 5th June and Friday 16th June 2023

- The pass mark will be 25/25 as there is an expectation for all children to know their times tables by the end of Year 4.
- The more practise your child has, the more prepared they will feel. Please practise regularly. Ask your child what their 'times table target' is.
- Make sure that your child is ready for their weekly tests by playing lots of games during the week.

- Thank you for coming today!
- If you have any further questions, please feel free to email

Abennett@northsideprimary.co.uk or speak to Miss Hooper