LEARNING THE MULTIPLICATION TABLES

Which times tables should my child be learning?

The table below outlines the National Curriculum times tables expectations 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.
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 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.

X WORDS

- Multiply
- Times
- Product of
- Multiplied by
- Doubled
- Lots of
- Groups of

How can I help my child learn their times tables?

TOP TIPS

- A lot of learning the x tables is just **repetition**. Go over the x table again and again. Chant it, sing it, stamp your feet or bang a drum to it!
- Look out for **patterns**. What do you notice? For example the 5x table always ends in 5 or 0 and the digits of the 11x table are the same up to 10x.
- Be detectives and find maths **rules**. For example: are multiples of 6 always even? What do you notice about adding the digits of the 9x table together (up to 10x)?
- **10** is the key! The 10x table is perhaps the easiest, so use it to help with 9x and 11x of other numbers. For example: if we know that 10x7 is 70 then 11x7 must be 7 more or 9x7 must be 7 less.
- Recall the **rhyme**! '6 x 6 is 36', 'Seven 7s are 49' etc. …
- Time yourself. Can you get quicker at reciting your x table up to 12x?

Which resources could help me teach my child?

The multiplication grid below can be a useful resource:

Times Table - 12x12

	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

Are there any useful websites that will help in my child's learning?

Yes, some useful websites are:

https://www.timestables.co.uk/ This site includes interactive exercises and tests as well as test printouts.

http://www.wikihow.com/Teach-the-Multiplication-Tables-to-Your-Child This site gives more useful hints on how to approach times tables.

https://www.topmarks.co.uk/maths-games/7-11-years/times-tables This site has a range of interactive games for both KS1 and KS2 to help develop the pace of times tables recall.

My child can recall all the facts to 12x12.

What next?

Check for **fluency** (that facts can be recalled quickly). If so, look at how this knowledge can help with larger calculations. For example: 42x5=? Develop **problem solving** (such as real-life word problems) and **reasoning skills,** encouraging your child to think *how* they can apply their times tables knowledge. The website **http://nrich.maths.org** can help with this.