

Multiplication Tables at Mill Lane

At Mill Lane we encourage all children to learn their multiplication tables off by heart. By knowing their tables confidently, many aspects of maths are made more accessible to individual children. Having a slick and speedy recall of the multiplication tables also increases the rate at which children can work, the level of work they can access and their overall confidence in maths. In short, having a good knowledge of the tables is a skill for life.

What the National Curriculum expects children to know:

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 times tables.

Year 3: Recall and use multiplication and division facts for the 3, 4 and 8 times tables

Year 4: Recall multiplication and division facts for multiplication tables up to 12x12

Year 5: Revision of all times tables and division facts up to 12x12

Year 6: Revision of all times tables and division facts up to 12x12

How can I help my child learn their tables?

- A lot of learning the x tables is just **repetition**. Go over the 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 each number in the 11x table are the same up until 10x11.
- Be detectives and find maths **rules**. For example, are the numbers in the table all odd or even?
- **10** is the key! The 10x table is perhaps the easiest, so use it to help with 9 and 11x other numbers. For example: if we know that $10 \times 7 = 70$, then 11×7 must be 7 more and 9×7 must be 7 less.
- Learn **rhymes** and rhythms that trip of the tongue: '6x6 is 36,' Seven 7s are 49,' etc.
- **Practise** each table in and out of order. Can you get speedier and more accurate each time?

Useful Multiplication Vocabulary

Multiply

Times

Lots of

Doubled

Lots of

Groups of

Product of

Useful Websites to use at Home

There are many free interactive websites that can be used to make tables learning fun. Here are a few to explore:

- www.timestables.co.uk
- www.topmarks.co.uk
- www.mathszone.co.uk
- www.maths-games.org
- www.teachingtables.co.uk

My child can recall all the facts to 12x12. What next?

Check for fluency (that facts can be recalled accurately and quickly.) If so, look at how this knowledge can help with larger calculations. For example: $42 \times 5 = ?$

Also, check that your child can apply the corresponding multiplication facts. For example, knowing that $12 \times 4 = 48$ means that they can work out 4×12 , $48 \div 4$ and $48 \div 12$. 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 www.nrich.maths.org can help with this too.