

# Thurleigh & Kymbrook Federation Multiplication and Division Guide for Families

At the Thurleigh & Kymbrook Federation we believe that:

- Number fluency' (including knowing your times tables) is an important skill which supports mental and written calculation
- It is essential children understand what they are learning rather than memorising facts by rote without being able to explain what the facts actually mean.
- Pressurising children is unhelpful and damaging. **Whilst it is an important skill, knowing times tables does not automatically make a child or adult 'good' or 'bad' at Maths.**

What are the national expectations? In the latest National Curriculum document, it states: 'By the end of year 4, pupils should have memorised their multiplication tables up to and including the 12-multiplication table and show precision and fluency in their work'. Here is a breakdown of the expectations for each year group:

<p>Year 1:</p> <ul style="list-style-type: none"> <li>• count in multiples of twos, fives and tens.</li> <li>• solve simple multiplication and division using objects, pictures and arrays with support.</li> </ul>	<p>Year 2:</p> <ul style="list-style-type: none"> <li>• count in steps of 2, 3, 5 and 10.</li> <li>• recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables.</li> </ul>
<p>Year 3:</p> <ul style="list-style-type: none"> <li>• count from 0 in multiples of 4, 8, 50 and 100</li> <li>• recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</li> </ul>	<p>Year 4:</p> <ul style="list-style-type: none"> <li>• count in multiples of 6, 7, 9, 25 and 1000</li> <li>• recall multiplication and division facts for multiplication tables up to <math>12 \times 12</math></li> </ul>
<p>Year 5:</p> <ul style="list-style-type: none"> <li>• use knowledge of times tables to multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers</li> <li>• multiply and divide larger numbers mentally drawing upon known facts</li> </ul>	<p>Year 6:</p> <ul style="list-style-type: none"> <li>• use knowledge of times tables to multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication</li> </ul>
<p>Although it may be tempting to race through, it is essential a child is secure with the multiplication AND division facts for each set of times tables and can recall them accurately and quickly before moving onto the next set.</p>	

**What can I do to help my child?**

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Each child learns in a different way and even within families, siblings may find different strategies helpful. Please see our accompanying guide which contains a range of ideas which I hope you will find useful.