



Appendix 4 The Calculation Policy Times Tables programme

The National Curriculum expectation for Primary Schools across the UK is that, by the end of Year 4, pupils are capable of recalling all 12 times tables up to 12x2. The resource also provides a list of online resources as well as teaching methods and techniques for each year group. To secure this knowledge we ensure that the first term of Year 5 is used to consolidate learning and understanding through continuing practice.

Year 1

Autumn 1 & 2	Count in 2s up to 24, linking with even numbers and supporting doubles. Count in multiples of 10 in order up to 120.
Spring 1 & 2	Focus on counting in multiples of 5 up to 60, linking with knowledge of counting in 10s. Continue to develop fluency of counting in 2s and 10s.
Summer 1	Count in multiples of 10, 2 and 5 in order with growing fluency.
Summer 2	Count in multiples of 10, 2 and 5 in order fluently.

Teaching methodologies:

- Count pairs of objects
- Count straws bundled in tens
- Sing counting songs
- Hundred square
- Number lines
- Pictorial representations on display
- Rolling Numbers

Year 2

Autumn 1	Consolidate counting in steps of 2, 5 and 10 in order from 0 up to 12 x.
Autumn 2	Count in steps of 2 and 5 from 0 up to 12 x fluently. Recall multiples of 10 up to 12 x 10 in any order, including missing numbers and related division facts with growing fluency.
Spring 1	Recall multiples of 2 up to 12 x 2 in any order, including missing numbers and related division facts. Recall multiples of 10 up to 12 x 10 fluently.
Spring 2	Recall multiples of 5 up to 12 x 5 in any order, including missing numbers and related division facts. Recall multiples of 2 up to 12 x 2 in any order, including missing numbers and related division facts with growing fluency.
Summer 1	Count in multiples of 3 to 12 x 3 in order from 0. Recall multiples of 2 up to 12 x 2 in any order, including missing numbers and related division facts fluently. Recall multiples of 5 up to 12 x 5 in any order, including missing numbers and related division facts with growing fluency.
Summer 2	Count in multiples of 3 to 12 x 3 in order from 0 with growing fluency. Recall multiples of 5 up to 12 x 5 in any order, including missing numbers and related division facts fluently.

Teaching methodologies:

- Counting objects in groups of 2, 5, 10 & 3
- Sing counting songs
- Hundred square
- Number lines
- Array with concrete resources
- Pictorial representations on display
- Rolling Numbers

Year 3

Autumn 1	Count in multiples of 3 to 12×3 in order from 0 fluently.
Autumn 2	Recall multiples of 3 up to 12×3 in any order, including missing numbers and related division facts with growing fluency. Count in multiples of 4 to 12×4 in order from 0 with growing fluency. Introduce (relating to $\times 4$) and begin to count in multiples of 8 from 0 to 12×8 .
Spring 1	Recall multiples of 3 up to 12×3 in any order, including missing numbers and related division facts fluently. Count in multiples of 4 to 12×4 in order from 0 with fluently. Count in multiples of 8 to 12×8 in order from 0 with growing fluency.
Spring 2	Recall multiples of 4 up to 12×4 in any order, including missing numbers and related division facts with growing fluency. Count in multiples of 8 to 12×8 in order from 0 fluently.
Summer 1	Recall multiples of 4 up to 12×4 in any order, including missing numbers and related division facts fluently. Recall multiples of 8 up to 12×8 in any order, including missing numbers and related division facts with growing fluency.
Summer 2	Recall multiples of 8 up to 12×8 in any order, including missing numbers and related division facts fluently.

Teaching methodologies:

- Counting objects in groups of 3, 4 and 8
- Hundred square
- Number lines
- Array with concrete resources
- Pictorial representations on display
- Rolling Numbers

Year 4

Autumn 1	Recall multiples of 3, 4 and 8 up to $12 \times$ in any order, including missing numbers and related division facts fluently. Fluently count in 6s in order up to 12×6 , using multiples of 3 to support.
Autumn 2	Recall multiples of 6 in any order, including missing numbers and related division facts with growing fluency. Fluently count in 7s in order up to 12×7 .
Spring 1	Recall multiples of 6 in any order, including missing numbers and related division facts fluently. Recall multiples of 7 in any order, including missing numbers and related division facts with growing fluency.
Spring 2	Recall multiples of 7 in any order, including missing numbers and related division facts fluently. Fluently count in 9s in order up to 12×9 . Fluently count in 11s in order up to 12×11 .
Summer 1	Recall multiples of 9 in any order, including missing numbers and related division facts with growing fluency (using $10 \times$ and adjusting by 1 group to find $9 \times$ as a strategy). Recall multiples of 11 in any order, including missing numbers and related division facts fluently. Fluently count in 12s in order up to 12×12 .
Summer 2	Recall multiples of 9 in any order, including missing numbers and related division facts fluently. Recall multiples of 12 in any order, including missing numbers and related division facts with growing fluency (using $10 \times$ and adjusting by adding 2 more groups).

Teaching methodologies:

- Hundred square
 - Number lines
 - Pictorial representations on display
 - Rolling Numbers
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Year 5

The National Curriculum expectation is that by the end of Year 4, children are able to recall all 12 tables up to 12×12 .

To secure this, we recommended that the first term of Year 5 be used to consolidate by continuing your practice.

If you find that your children are working below the structure outlined in this document, we recommend tracking back to where your children are.

Autumn Term	Recall multiples of 12 in any order, including missing numbers and related division facts fluently. Recall multiples of all times tables up to 12×12 in any order, including missing numbers and related division facts with growing fluency.
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**Teaching
methodologies:**

- Pictorial representations on display
- Rolling Numbers

Years 3-6 take part in an annual Rock Star Maths programme; a 20 week programme annually from December through to May which culminates in the Rock Star Wrangle and certificates of attainment for all children.