

KS1/2 Times Tables Progression



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.

This document will be used by teachers and parents to ensure clear coherence, coverage and implementation of times tables knowledge from Year 1 to Year 5.

EYFS

Key skills for multiplication at EYFS:

- To solve real life problems including doubling, halving and sharing.

Multiplication

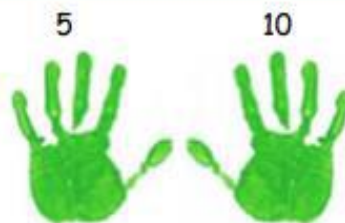
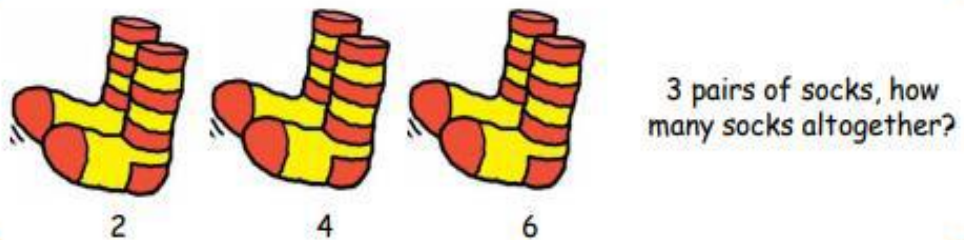
Before attempting multiplication children need to understand addition; the concept of combining groups of objects.

Children are given a range of opportunities to manipulate and experience a range of resources in real life contexts and through role play.

If one pair of welly boots is 2, then 3 pairs = ?



Children are encouraged to draw pictures and represent their mathematical thinking through various representations.



If one hand has 5 fingers how many fingers on two hands?

Key vocabulary: groups of, lots of, times, altogether, multiply, count

YEAR 1

Autumn 1 & 2

Count in 2's 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 2's and 10's.

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 12x.

Autumn 2

Count in steps of 2 and 5 from 0 up to 12x fluently. Recall multiples of 10 up to 12x10 in any order, including missing numbers and related division facts with growing fluency.

Spring 1

Recall multiples of 2 up to 12x2 in any order, including missing numbers and related division facts.

Spring 2

Recall multiples of 10 up to 12x10 fluently. Recall multiples of 5 up to 12x5 in any order, including missing numbers and related division facts. Recall multiples of 2 up to 12x2 in any order, including missing numbers and related division facts with growing fluency.

Summer 1

Count in multiples of 3 to 12x3 in order from 0. Recall multiples of 2 up to 12x2 in any order, including missing numbers and related division facts fluently. Recall multiples of 5 up to 12x5 in any order, including missing numbers and related division facts with growing fluency.

Summer 2

Count in multiples of 3 to 12x3 in order from 0 with growing fluency. Recall multiples of 5 up to 12x5 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 $12x$ in any order, including missing numbers and related division facts fluently.

Fluently count in 6's in order up to $12x6$, 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 7's in order up to $12x7$.

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 9's in order up to $12x9$. Fluently count in 11's in order up to $12x11$.

Summer 1

Recall multiples of 9 in any order, including missing numbers and related division facts with growing fluency (using $10x$ and adjusting by 1 group to find $9x$ as a strategy)

Recall multiples of 11 in any order, including missing numbers and related division facts fluently.

Summer 2

Fluently count in 12's in order up to $12x12$.

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

Teaching methodologies:

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

YEARS 5/6

The National Curriculum expectation is that by the end of Year 4, children are able to recall all 12 tables up to 12x12.

To secure this, the first term of Year 5 be used to consolidate by continuing 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 12x12 in any order, including missing numbers and related division facts with growing fluency.

Teaching methodologies:

- Pictorial representations on display
- Rolling Numbers