Key Priority: Improving the learning of multiplication and division facts

Termly teaching planner to ensure progression

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 methods:

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

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. Recall multiples of 10 up to 12x10 fluently.
Spring 2	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 methods:

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   Counting stick

YEAR 3	
Autumn 1	Count in multiples of 3 to 12x3 in order from 0 fluently.
Autumn 2	Recall multiples of 3 up to 12x3 in any order, including missing numbers and related division facts with growing fluency. Count in multiples of 4 to 12x4 in order from 0 with growing fluency. Introduce (relating to x4) and begin to count in multiples of 8 from 0 to 12x8.
Spring 1	Recall multiples of 3 up to 12x3 in any order, including missing numbers and related division facts fluently. Count in multiples of 4 to 12x4 in order from 0 with fluently. Count in multiples of 8 to 12x8 in order from 0 with growing fluency.
Spring 2	Recall multiples of 4 up to 12x4 in any order, including missing numbers and related division facts with growing fluency. Count in multiples of 8 to 12x8 in order from 0 fluently.
Summer 1	Recall multiples of 4 up to 12x4 in any order, including missing numbers and related division facts fluently. Recall multiples of 8 up to 12x8 in any order, including missing numbers and related division facts with growing fluency.
Summer 2	Recall multiples of 8 up to 12x8 in any order, including missing numbers and related division facts fluently.

Teaching methods:

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

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. Fluently count in 12's in order up to 12x12.
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 10x and adjusting by adding 2 more groups).

Teaching methods:

Hundred square • Number lines • Pictorial representations on display • Rolling Numbers Counting stick Arrays

NC expectations are that children will be able to recall multiplication and division facts up to 12 x 12 by the end of Year 4. Therefore, Year 5 and 6 will focus on developing fluency and application of these facts in other areas of the maths curriculum.

YEAR 5	
Autumn	**Consolidation** 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.
Spring	Application to multiples e.g. using multiplication and division facts to calculate equations involving multiples (200 x 9 etc)
Summer	Application to multiples e.g. using multiplication and division facts to calculate equations involving multiples (200 x 9 etc) including a range of missing number problems

YEAR 6	
Autumn	Application of multiplication and division facts to fractions, decimals and percentages
Spring	Application of multiplication and division facts to fractions, decimals and percentages involving missing number problems
Summer	Consolidation of all previous skills

Rehearsal of facts resources:

- Tackling tables cards
- Poke a fact
- [Multiplication board games](#)
- [Division dominoe](#)s
- [Card games](#)
- [Multiplication resources folder activities](#)