Beenham Primary Times Table Fluency and Recall

Year 1

Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations, and arrays with the support of the teacher

Through grouping and sharing small quantities, pupils begin to understand multiplication and division; doubling numbers and quantities; and finding simple fractions of objects, numbers, and quantities.
They make connections between arrays, number patterns, and counting in 2s, 5s and 10s.

Autumn		Spring		Summer	
Revise	**New facts**	**Revise**	**New facts**	**Revise**	**New facts**
Number bonds to 10	Number bonds to 20	Number bonds to 10 and 20	Count in 2, 5 and 10	Count in 2, 5 and 10 and doubles of all numbers to 10 and corresponding halves	Arrays

Year 2

recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers

calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs

show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot

Pupils are introduced to the multiplication tables. They practise to become fluent in the 2, 5 and 10 multiplication tables and connect them to each other. They connect the 10 multiplication table to place value, and the 5 multiplication table to the divisions on the clock face.

Autumn		Spring		Summer	
Revise	**New facts**	**Revise**	**New facts**	**Revise**	**New facts**
Count in 2, 5 and 10 and doubles of all numbers to 10 and corresponding halves	All multiplication facts of 2-, 5- and 10-times tables 1x10, 2x10, 3x10, 4x10, 5x10, 6x10, 7x10, 8x10, 9x10, 10x10, 11x10, 12x10	1x10, 2x10, 3x10, 4x10, 5x10, 6x10, 7x10, 8x10, 9x10, 10x10, 11x10, 12x10	1x5, 2x5, 3x5, 4x5, 5x5, 6x5, 7x5, 8x5, 9x5, 11x5, 12x5 (10x5 learnt due to commutativity)	1x10, 2x10, 3x10, 4x10, 5x10, 6x10, 7x10, 8x10, 9x10, 10x10, 11x10, 12x10 1x5, 2x5, 3x5, 4x5, 5x5, 6x5, 7x5, 8x5, 9x5, 11x5, 12x5	1x2, 2x2, 3x2, 4x2, 6x2, 7x2, 8x2, 9x2, 11x2, 12x2 (5x2, 10x2 learnt due to commutativity)

Year 3

Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.

Pupils continue to practise their mental recall of multiplication tables when they are calculating mathematical statements in order to improve fluency. Through doubling, they connect the 2, 4 and 8 multiplication tables.

Autumn		Spring		Summer	
Revise	**New facts**	**Revise**	**New facts**	**Revise**	**New facts**
All facts of 2,5 and 10	4x4, 6x4, 7x4, 8x4, 9x4 11x4, 12x4 (3x4, 5x4, 10x4 learnt due to commutativity) 1x8, 6x8, 7x8, 9x8, 11x8, 12x8 (2x8, 3x8, 4x8, 5x8, 10x8 learnt due to commutativity)	All facts of 2, 4, 5, 8 and 10	No new facts	All facts of 2, 3, 4, 5, 8 and 10	3x3, 4x3, 6x3, 7x3, 8x3 11x3, 12x3 (2x5, 3x5 and 3x10 learnt due to commutativity)

Year 4

Recall multiplication and division facts for multiplication tables up to 12 × 12

Pupils continue to practise recalling and using multiplication tables and related division facts to aid fluency.
Pupils write statements about the equality of expressions (for example, use the distributive law 39 × 7 = 30 × 7 + 9 × 7 and associative law (2 × 3) × 4 = 2 × (3 × 4)).

Autumn		Spring		Summer	
Revise	**New facts**	**Revise**	**New facts**	**Revise**	**New facts**
All facts of 2, 3, 4, 5, 8 and 10	6, 9 <u>6 times table</u> 6x6, 7x6, 9x6, 11x6, 12x6 (2x6, 3x6, 4x6, 5x6, 8x6, 10x6 learnt due to commutativity) <u>9 times table</u> 9x9	All facts of 2,3,4,5,6,8,9 & 10	7, 11,12 <u>7 times table</u> 7x7, 9x7, 11x7, 12x7 (2x7, 3x7, 4x7, 5x7, 6x7, 8x7, 10x7 learnt due to commutativity) <u>11 times table</u> 11x11, 12x11 (2x11, 3x11, 4x11, 5x11, 6x11, 7x11, 8x11, 9x11,	All facts of 2,3,4,5,6,7.8,9,10, 11 &12	No new facts

	(2x9, 3x9, 4x9, 5x9, 6x9,7x9, 8x9, 10x9, 11x9, 12x9 learnt due to commutativity)		10x11 learnt to commutativity) <u>12 times table</u> 12x12 (2x12, 3x12, 4x12, 5x12, 6x12, 7x12, 8x12, 9x12, 10x12, 11x12 learnt to commutativity)		

<u>Year 5 & 6</u>

Identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers

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

Multiply and divide numbers mentally, drawing upon known facts

Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context

Autumn		Spring		Summer	
Revise	**New facts**	**Revise**	**New facts**	**Revise**	**New facts**
Consolidate all facts with long multiplication					