



Thomas Russell Infants' School
Number: Multiplication & Division Progression Document

Key of Text Colours
 EYFS Development Matters (DM) & NC Objectives
 NC Objective appears elsewhere within the same topic progression document
 NC Objective also appears in another topic progression document

Nursery 3-4 year olds	Reception	Early Learning Goals	Year 1	Year 2	Year 3
MULTIPLICATION & DIVISION FACTS					
	<p>To be introduced to the concepts of sharing equally and doubling (WRM)</p> <p>To understand concept of odd and even numbers (WRM)</p>	<p>Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed evenly</p>	<p>Count in multiples of twos, fives and tens (Number: Place Value NC Objective)</p>	<p>Count in steps of 2, 3 and 5 from 0 and in tens from any number, forward or backward (Number: Place Value NC Objective)</p>	<p>Count from 0 in multiples of 4, 8, 50 and 100 (Number: Place Value NC Objective)</p>
				<p>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</p>	<p>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables</p>



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MENTAL CALCULATION					
	Automatically recall number bonds for numbers 0-5 and some to 10	Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10 including double facts	Solve one-step problems involving multiplication and division, calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher (Objective also shown in Written Calculation)	Solve problems involving multiplication and division, calculating the answer using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts (Objective also shown in Written Calculation)	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods (Objective also shown in Written Calculation)
				Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot	



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WRITTEN CALCULATION					
Experiment with their own symbols and marks as well as numerals			Solve one-step problems involving multiplication and division, calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher (Objective also shown in Mental Calculation)	Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods (Objective also shown in Mental Calculation)
				Solve problems involving multiplication and division, calculating the answer using materials, arrays, repeated addition, mental methods, and multiplication and	



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				division facts, including problems in contexts (Objective also shown in Mental Calculation)	
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