



PROGRESSION IN MULTIPLICATION AND DIVISION B YEAR 5

Strand	What do I already know?	What am I going to be learning?	What will I learn in Year 6?
Written calculation	<p>calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs (Y2)</p> <p>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 (Y3)</p> <p>multiply two-digit and three-digit numbers by a one-digit number using formal written layout (4)</p>	<p>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</p> <p>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</p>	<p>multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication</p> <p>divide numbers up to 4-digits by a two-digit whole number using the formal written method of short division where appropriate for the context divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context</p> <p>use written division methods in cases where the answer has up to two decimal place</p>
Problem solving	<p>Solve one-step problems using concrete objects and arrays – Y1</p> <p>Solve problems using materials, arrays, repeated addition and mental methods – Y2</p> <p>Solve missing numbers, scaling and correspondence problems – Y3</p> <p>Apply the distributive law to multiply 2-digits by 1-digit, and harder problems involving scaling and correspondence – Y4</p>	<p>solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes</p> <p>solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign</p> <p>solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates</p>	<p>solve problems involving addition, subtraction, multiplication and division</p> <p><i>also scale factors</i></p>
Vocabulary	Multiply, divide, product, multiple, quotient, commutative		