

**St Benedict's Catholic Primary School**  
**Progress in Skills: Mathematics:**  
**Multiplication and Division**



*With Jesus, we learn,  
 love and laugh*

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn Term			<p>Recall and use the multiplication and division facts for the 3 and 4 times tables.</p> <p>Write and calculate mathematical statements for multiplication and division using the times tables that they know.</p>	<p>Recall multiplication and division facts for tables up to 12 x 12</p> <p>Multiply 2-digit &amp; 3-digit numbers by a 1-digit number using a formal written layout.</p> <p>Use place value, known and derived facts to multiply and divide mentally, incl. x by 0 and 1, dividing by 1, x three numbers together.</p>	<p>To know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.</p> <p>Multiply &amp; divide numbers mentally drawing upon known facts.</p> <p>Multiply numbers up to 4-digits by a 1-digit number using a formal written method.</p> <p>Multiply and divide whole numbers &amp; decimal numbers by 10, 100 and 1000</p> <p>Recognise and use square numbers &amp; cube numbers &amp; the notation of squared <sup>2</sup> and cubed <sup>3</sup></p> <p>Solve problems involving addition, subtraction, multiplication and division &amp; a combination of these, incl. understanding the meaning of the equals sign.</p>	<p>Identify common factors, common multiples and prime numbers.</p> <p>Perform mental calculations, incl. mixed operations and large numbers.</p> <p>Multiply multi-digit numbers up to 4-digits by a 2-digit whole number using the formal written method of long multiplication.</p> <p>Divide numbers up to 4-digits by a 2-digit whole number using the formal written method of long division.</p> <p>Divide numbers up to 4-digits by a 2-digit number using formal written method of short division where appropriate.</p> <p>Use knowledge of the order of operations to carry out calculations involving 4 operations.</p>
Spring Term		<p>Recall and use the multiplication and division facts for the 2, 5, and 10 times tables, incl. recognising odd and even numbers.</p> <p>Calculate the mathematical</p>	<p>Recall and use the multiplication and division facts for the 3, 4 and 8 times tables.</p> <p>Write and calculate mathematical statements for multiplication and</p>	<p>Recognise and use factor pairs &amp; commutativity in mental calculations.</p>	<p>Multiply numbers up to 4-digits by a 1-digit or 2-digit number using a formal written method, incl. long multiplication for 2-digit numbers.</p> <p>Divide numbers up to 4-</p>	<p>In division sums involving long division, to interpret remainders as whole number remainders, fractions or by rounding, as appropriate for the context.</p> <p>In division sums involving</p>

		<p>statements for multiplication and division within the multiplication tables and write them using <math>\times \div =</math> signs.</p> <p>Show that multiplication of 2 numbers can be done in any order (commutative) whereas division cannot.</p> <p>Solve 1-step problems involving multiplication &amp; division, calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.</p>	<p>division using the times tables that they know, incl. 2-digit <math>\times</math> 1-digit using mental and progressing to written methods.</p> <p>Solve problems incl. missing number problems, involving multiplication and division.</p>		<p>digits by a 1-digit number using the formal written method of short division and interpret remainders appropriately for the context.</p> <p>Solve problems involving multiplication and division incl. scaling by simple fractions and problems involving simple rates.</p>	<p>short division, to interpret remainders as appropriate for the context.</p> <p>To solve problems involving addition, subtraction, multiplication and division.</p>
<p><b>Summer Term</b></p>	<p>Solve one-step problems involving multiplication and division, calculating the answer using concrete objects, pictorial representations &amp; arrays with the support of the teacher.</p>		<p>Solve problems involving multiplication and division incl. integer scaling problems and correspondence problems.</p>	<p>Solve problems involving multiplying and adding incl the distributive law to multiply 2-digit numbers by 1-digit, integer scaling problems and harder multiplication problems.</p>	<p>Identify all multiples and factors incl. finding all factor pairs of a number &amp; common factors of 2 numbers.</p> <p>Establish where a number up to 100 is prime &amp; recall prime numbers up to 19</p> <p>Multiply numbers up to 4-digits by a 1-digit or 2-digit number using a formal written method, incl. long multiplication for 2-digit numbers.</p> <p>Solve problems involving multiplication and division incl. using their knowledge of factors &amp; multiples, squares and cubes.</p>	<p>To solve problems involving addition, subtraction, multiplication and division.</p>