

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 |
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| 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 & 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 & 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 & decimal numbers by 10, 100 and 1000</p> <p>Recognise and use square numbers & cube numbers & the notation of squared ² and cubed ³</p> <p>Solve problems involving addition, subtraction, multiplication and division & 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 & 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> |

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| | | <p>statements for multiplication and division within the multiplication tables and write them using $\times \div =$ 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 & 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 \times 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> |
| Summer Term | <p>Solve one-step problems involving multiplication and division, calculating the answer using concrete objects, pictorial representations & 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 & common factors of 2 numbers.</p> <p>Establish where a number up to 100 is prime & 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 & multiples, squares and cubes.</p> | <p>To solve problems involving addition, subtraction, multiplication and division.</p> |