# Maths Coverage Year Three

| Autumn Term | Number – Place value | Number – Addition and subtraction | Number – Multiplication and division | | |
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| | Identify, represent and estimate numbers using different representations.<br><br>Find 10 or 100 more or less than a given number<br><br>Recognise the place value of each digit in a three-digit number (hundreds, tens, and ones).<br><br>Compare and order numbers up to 1000 Read and write numbers up to 1000 in numerals and in words.<br><br>Solve number problems and practical problems involving these ideas. Count from 0 in multiples of 4, 8, 50 and 100 | Add and subtract numbers mentally, including a three-digit number and ones; a three-digit number and tens; a three-digit number and hundreds.<br><br>Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction.<br><br>Estimate the answer to a calculation and use inverse operations to check answers.<br><br>Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. | Count from 0 in multiples of 4, 8, 50 and 100<br><br>Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.<br><br>Write and calculate mathematical statements for multiplication and division using the multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.<br><br>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives. | | |
| Spring Term | Number – Multiplication and division | Measurement - Money | Statistics | Measurement – Length and perimeter | Number - Fractions |
| | Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.<br><br>Write and calculate mathematical statements for multiplication and division using the | Add and subtract amounts of money to give change, using both £ and p in practical contexts. | Interpret and present data using bar charts, pictograms and tables.<br><br>Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information | Measure, compare, add and subtract lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).<br><br>Measure the perimeter of simple 2D shapes. | Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 |

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| | multiplication tables they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.<br><br>Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objectives. | | presented in scaled bar charts and pictograms and tables. | | Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.<br><br>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.<br><br>Solve problems that involve all of the above. |
| **Summer Term** | **Number - Fractions** | **Measurement - Time** | **Geometry – Properties of shape** | **Measurement – Mass and capacity** | |
| | Recognise and show, using diagrams, equivalent fractions with small denominators.<br><br>Compare and order unit fractions, and fractions with the same denominators.<br><br>Add and subtract fractions with the same denominator within one whole [for example, 57 + 17 = 67 ]<br><br>Solve problems that involve all of the above. | Tell and write the time from an analogue clock, including using Roman numerals from I to XII and 12-hour and 24-hour clocks.<br><br>Estimate and read time with increasing accuracy to the nearest minute.<br><br>Record and compare time in terms of seconds, minutes and hours. Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.<br><br>Know the number of seconds in a minute and the number of days in each month, year and leap year. | Recognise angles as a property of shape or a description of a turn.<br><br>Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle.<br><br>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.<br><br>Draw 2-D shapes and make 3-D shapes using modelling materials.<br><br>Recognise 3-D shapes in different orientations and describe them. | Measure, compare, add and subtract lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). | |

| | | Compare durations of events [for example to calculate the time taken by particular events or tasks]. | | | |
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