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| **Year 3 Maths Statements** | |
| **Number** | |
| **Number and Place Value**   * Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number * Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) * Compare and order numbers up to 1000 * Identify, represent and estimate numbers using different representations * Read and write numbers up to 1000 in numerals and in words * Solve number problems and practical problems involving these ideas | **Addition and Subtraction**  Add and subtract numbers mentally, including:   * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds * Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction * Estimate the answer to a calculation and use inverse operations to check answers * Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction |
| **Multiplication and Division**   * Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables * 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 * 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 objects | **Fractions**   * 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 * Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators * Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators * Recognise and show, using diagrams, equivalent fractions with small denominators * Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7 ] * Compare and order unit fractions, and fractions with the same denominators * Solve problems that involve all of the above |
| **Measurement** | |
| * Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) * Measure the perimeter of simple 2-D shapes * Add and subtract amounts of money to give change, using both £ and p in practical contexts * Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks * Estimate and read time with increasing accuracy to the nearest minute; 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 * Know the number of seconds in a minute and the number of days in each month, year and leap year * Compare durations of events [for example to calculate the time taken by particular events or tasks] | |
| **Geometry** | |
| **Properties of Shapes**   * Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them * Recognise angles as a property of shape or a description of a turn * 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 * Identify horizontal and vertical lines and pairs of perpendicular and parallel lines | |
| **Statistics** | |
| * Interpret and present data using bar charts, pictograms and tables * Solve one-step and two-step questions [for example, ‘How many more?’ and ‘How many fewer?’] using information presented in scaled bar charts and pictograms and tables | |