**Year 3**

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