|  |
| --- |
| **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
 |