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| **Garden Suburb Junior School****Maths** **Year 4 National Curriculum Programme of Study Statements** |
|
| **Number and place value** |
| I can count in multiples of 6, 7, 9, 25 and 1000  |
| I can find 1000 more or less than a given number  |
| I can count backwards through zero to include negative numbers  |
| I can recognise the place value of each digit in a four-digit number (thousands, hundreds, tens and ones)  |
| I can order and compare numbers beyond 1000  |
| I can identify, represent and estimate numbers using different representations |
| I can round any number to the nearest 10, 100 or 1000 |
| I can solve number and practical problems that involve all of the above, with increasingly large numbers  |
| I can read Roman numerals to 100 (I to C)  |
| **Number - Addition and subtraction** |
| I can add and subtract numbers up to 4 digits using the formal written methods  |
| I can estimate and use inverse operations to check answers to a calculation  |
| I can solve addition and subtraction two-step problems in contexts, deciding which methods to use and why |
| **Number – Multiplication and division** |
| I can recall multiplication and division facts for multiplication tables up to 12 × 12  |
| I can use place value, known and derived facts to multiply and divide mentally  |
| I can recognise and use factor pairs and commutativity in mental calculations |
| I can multiply two-digit and three-digit numbers by a one-digit number using formal written layout |
| I can solve problems involving multiplying and adding using the distributive law |
| **Number – fractions (including decimals)** |
| I can recognise and show, using diagrams, families of common equivalent fractions  |
| I can count up and down in hundredths |
| I can solve problems involving increasingly harder fractions to calculate quantities  |
| I can add and subtract fractions with the same denominator  |
| I can recognise and write decimal equivalents of any number of tenths or hundredths  |
| I can recognise and write decimal equivalents to ¼ ½ ¾  |
| I can find the effect of dividing a one- or two-digit number by 10 and 100 |
| I can round decimals with one decimal place to the nearest whole number  |
| I can compare numbers with the same number of decimal places up to two decimal places |
| I can solve simple measure and money problems involving fractions and decimals to two decimal places |
| **Measurement**  |
| I can convert between different units of measure [for example, kilometre to metre; hour to minute]  |
| I can measure and calculate the perimeter of rectilinear figures in centimetres and metres  |
| I can find the area of rectilinear shapes by counting squares  |
| I can estimate, compare and calculate different measures, including money in pounds and pence |
| I can read, write and convert time between analogue and digital 12- and 24-hour clocks  |
| I can solve problems converting from hours to minutes; minutes to seconds; years to months; weeks to days |
| **Geometry – properties of shapes** |
| I can compare and classify geometric shapes, including quadrilaterals and triangles, using their properties  |
| I can identify acute and obtuse angles and compare and order angles up to two right angles by size  |
| I can identify lines of symmetry in 2-D shapes presented in different orientations  |
| I can complete a simple symmetric figure with respect to a specific line of symmetry |
| **Geometry – position and direction** |
| I can describe positions on a 2-D grid as coordinates in the first quadrant  |
| I can describe movements between positions as translations of a given unit to the left/right and up/down  |
| I can plot specified points and draw sides to complete a given polygon |
| **Statistics** |
| I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs  |
| I can solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs |