| Sum | er Term 1 |  |
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| Wk | Strands | Weekly Summary |
| 23 | Number and place value (NPV); Decimals, percentages and their equivalence to fractions (DPE) | Revise reading, writing, comparing and ordering numbers with up to seven digits and decimal numbers with up to three decimal places; revise rounding decimal numbers to the nearest tenth and whole number; revise rounding big numbers to the nearest thousand, ten thousand, hundred thousand and million; revise locating a number on a number line marking numbers it lies between; revise comparing and ordering negative numbers including calculating differences between negative numbers and positive and negative numbers |
| 24 | Number and place value (NPV); Mental addition and subtraction (MAS); Written addition and subtraction (WAS); Decimals, percentages and their equivalence to fractions (DPE); Fractions, ratio and proportion (FRP); Problem solving, reasoning and algebra (PRA); Geometry: properties of shapes (GPS) | Revise adding and subtracting whole numbers and decimal numbers using mental and written methods; revise finding percentages of numbers, converting fractions, decimals and percentages and making comparisons using percentages; revise how brackets can be used in calculation problems, revise the order of operations for calculations involving the four operations; revise solving missing number problems using inverse operations; revise using trial and improvement to solve equations involving one or two unknowns, and find missing lengths and angles |
| 25 | Mental addition and subtraction (MAS); Fractions, ratio and proportion (FRP); Written multiplication and division (WMD); Mental multiplication and division (MMD); Problem solving, reasoning and algebra (PRA); Number and place value (NPV) | Revise scaling, using mental strategies for multiplying and dividing; revise solving problems involving rate; revise multiplying pairs of 2-digit numbers and finding factors of 2-digit numbers; multiply 3 -digit and 4 -digit numbers including decimals by whole 1 -digit numbers and solve word problems involving multiplication of money and measures; use a systematic approach to solve problems involving multiplication and division, including long multiplication of 3 -digit and 4 -digit numbers and decimals |
| 26 | Written multiplication and division (WMD); Problem solving, reasoning and algebra (PRA); Number and place value (NPV); Statistics (STA); Geometry: position and direction (GPD) | Revise using short division to find unit fractions of amounts, including decimals, and round answers to money problems according to the context; revise using long division to divide 4 -digit by 2 -digit numbers, giving remainders as a fraction, simplifying where possible; revise using long division to divide 3 -digit and 4 -digit numbers by numbers between 10 and 30 , writing the fractional part of the answer as a decimal where equivalents are known; revise calculating the mean average; revise reading and marking coordinates in all four quadrants, draw simple polygons and find missing coordinates on a polygon or line |


| Summer Term 2 |  |  |
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| Wk | Strands | Weekly Summary |
| 27 | Number and place value (NPV); <br> Fractions, ratio and proportion <br> (FRP); Measurement (MEA) | Revise equivalence simplifying fractions and changing improper <br> fractions into mixed numbers and vice versa; revise adding and <br> subtracting fractions with different denominators, including those <br> which give answers greater than 1; revise multiplying pairs of <br> fractions and multiplying and dividing fractions by whole numbers; <br> solving problems involving ratios; read intermediate points off scales |
| 28 | Geometry: properties of shapes <br> (GPS); Measurement (MEA); <br> Statistics (STA) | Revise properties and classification of 2D shapes, drawing 2D <br> shapes using ruler, protractor and compasses, parts of a circle and <br> angles in polygons; revise calculating missing angles by knowing <br> angle facts; use a protractor to measure and draw angles in degrees; <br> identify and name acute, right, obtuse and reflex angles; understand <br> perimeter, area and volume; find the perimeter of rectangles, find the <br> area of rectangles, parallelograms and triangles, and find the <br> volumes of cubes and cuboids; revise reading and interpreting <br> different types of data display |
| 29 | Number and place value (NPV); <br> Problem solving, reasoning and <br> algebra (PRA); Geometry: position <br> and direction (GPD); Written <br> multiplication and division (WMD) | Use mathematical reasoning to investigate and solve problems, and <br> to estimate and predict; solve problems using doubling, solve <br> calculations with enormous numbers; find out about famous <br> mathematicians including Brahmagupta and John Napier and use <br> their different methods to multiply; use lattice multiplication to solve <br> multiplications of 2-, 3- and 4-digit numbers; begin to compare <br> historical multiplication methods |
| 30 | Number and place value (NPV); <br> Problem solving, reasoning and <br> algebra (PRA); Geometry: properties <br> of shapes (GPS) | Explore binary numbers; solve mathematical puzzles; including using <br> multiplication facts, find digital roots and look for patterns; explore <br> Fibonacci sequences and Pythagoras' theorem |

