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| Year Group | Autumn Term | Spring Term | Summer Term |
| Year 3 | Pupils will be taught to:   * Count from 0 in multiples of 4. * Recognise the place value of each digit in a three-digit number (hundreds, tens, ones.) * Add and subtract mentally a three digit number and ones, a three digit number and hundreds. * Interpret and present data using bar charts, pictograms and tables. * Recall and use multiplication and division facts for the 3 and 4 multiplication tables. * Write and calculate mathematical statements for x and ÷ using the multiplication tables they know using mental strategies and progressing to formal written methods. * Count up and down in tenths. * Recognise that tenths arise from dividing an object into 10 equal parts. * Recognise, find and write fractions of a discrete set of objects: unit fractions. * Measure and compare lengths, mass, volume/capacity. * Add and subtract amounts of money. * Tell and write the time from an analogue clock. * Identify right angles. | Pupils will be taught to:  Recap on KPIs taught in phase 1 plus:   * Count from 0 in multiples of 50 and 100. * Add and subtract mentally a three digit number and tens, a three digit number and hundreds. * Recognise that tenths arise from dividing one-digit numbers or quantities by 10. * Recognise and show, using diagrams, equivalent fractions with small denominators. * Give change using both £ and p in practical contexts. * Recognise that 2 right angles make a half-turn. | Pupils will be taught to:  Recap on KPIs taught in phase 1 and 2 plus:   * Count from 0 in multiples of 8. * Recall and use multiplication and division facts for the 8 multiplication tables. * Write and calculate multiplication and division including for two-digit numbers times one-digit numbers. * Recognise non-unit fractions with small denominators. * Tell the time on a 24 hour clock. * Recognise that three right angles make three quarters of a turn and that four make a complete turn * Identify whether angles are greater than or less than a right angle. |
| Year 4 | Pupils will be taught to:   * Count in multiples of 25 and 100. * Round any number to the nearest 10,100. * Improve calculation methods in all four operations. * Recognise and show fractions using diagrams * Round decimals with one decimal place to the nearest whole number. * Compare and classify geometric shapes, based on their properties and sizes | Pupils will be taught to:  Recap on KPIs taught in phase 1 plus:   * Count in multiples of 6. * Order and compare numbers beyond 1000. * Round number to the nearest 1000. * Recall 2/3/4/5/6/8 multiplication and division facts for multiplication tables. * Recognise and show families of common equivalent fractions. * Recognise that hundredths arise when dividing an object by a hundred and dividing tenths by 10. * Round decimals with one decimal place to the nearest whole number. * Solve simple measure and money problems involving fractions. * Convert between different units of measure (eg kilometer to metre; hour to minute). * Compare and classify geometric shapes, including quadrilaterals based on their properties and size. * Identify symmetry in 2D shapes presented in different orientations. | Pupils will be taught to:  Recap on KPIs taught in phase 1 and 2 plus:   * Count in multiples of 7 and 9. * Recall multiplication and division facts for multiplication tables up to 12 x 12. * Count up and down in hundredths. * Solve simple measures and money problems involving decimals to two decimal places. * Compare and classify triangles * Plot specified points and draw sides to complete a given polygon. |
| Year 5 | Pupils will be taught to:   * Read, write, order and compare numbers to at least 1,000,000 and determine the value of each digit. * Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers. * Compare and order fractions whose denominators are all multiples of the same number. * Convert between different units of metric measure (eg km & m, cm & m, cm & mm, g & kg, l & ml) * Measure and calculate the perimeter of composite rectilinear shapes in cm and m. * Calculate and compare the area of rectangles and including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes. * Complete, read and interpret information in tables, including timetables. | Pupils will be taught to:  Recap on KPIs taught in phase 1 plus:   * Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers through zero. * Add and subtract whole numbers with more than 4 digits, including formal written methods (columnar addition and subtraction) * Add and subtract numbers mentally with increasingly large numbers (eg 12,462 – 2300 = 10,612) * Read and write decimal numbers as fractions (eg 0.71 = 71/100) * Solve problems which require knowing percentage and decimal equivalents of ½, 1/4, 1/5, 2/5, 4/5. * Draw given angles, and measure them in degrees. | Pupils will be taught to:  Recap on KPIs taught in phase 1 and 2 plus:   * Read, write, order and compare numbers with up to three decimal places. * Solve problems involving number up to 3 decimal places. * Solve problems with a denominator of a multiple of 10 or 25. * Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. |
| Year 6 | Pupils will be taught to:   * Round any whole number to a required degree of accuracy. * Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. * Use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy. * Use simple formulae in algebra. * Multiply multi-digit numbers up to 4 digits by a two digit whole number using the formal method of long multiplication. * Divide numbers up to 4 digits by a two digit whole number using the formal method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context. * Calculate and interpret the mean as an average. * Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. * Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places. * Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons. | Pupils will be taught to:  Recap on KPIs taught in phase 1 plus:   * Use negative numbers in context, and calculate intervals across zero. * Draw and translate simple shapes on the coordinate plane, and reflect them in the axes. | Pupils will be taught to:  Recap on KPIs taught in phase 1 and 2:  Revision and testing. |