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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.
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| 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.
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| 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.
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| 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. |