

Step 1	Times Tables	Addition	Subtraction	Multiplication	Division	Fractions	Decimals	Percentage & Ratio
	I can count in 2's, 5's and 10's from 0 to 100	I can add in 1's using practical resources I can add in 1's using a structured number line I can add 1 and 2 digit numbers to 20, including 0 I know my number facts/bonds to 20	I can subtract in 1's using practical resources I can subtract in 1's using a structured number line I can subtract in 10's and 1's using a structured number line I can subtract in 10's and 1's using a unstructured number line I know my subtraction facts to 20	I can multiply using concrete objects, pictorial representations and arrays with the support of the teacher	I can divide using concrete objects, pictorial representations and arrays with the support of the teacher	I can recognise, find and name ½ of an object, shape or quantity I can recognise, find and name ¼ of an object, regular shape or quantity within 20		
Place Value	Problem Solving	Properties of Number	Measures	Time	Perimeter & Area	Statistics	Shape	Position & Direction
I can read and write numbers from 1-20 in numerals and words I can read and write numbers from 1-100 in numerals I can identify 1 more, 1 less from a given number within 0 and 100 I can identify odd and evens numbers up to 20 I can count to and across 100, forwards and backwards	I can solve addition and subtraction one step word problems using concrete apparatus I can solve multiplication and division one step word problems using concrete operations (2, 5 and 10 x table) I can solve practical problems in the context of measure e.g. length, weight, capacity and time	I can use language of equal to, more than, less than, most and least I can continue simple number sequences and shape patterns	I can compare, describe, measure and record length and height using non standard units and cms to I can compare, describe, measure and record capacity and volume in ml I can compare, describe, measure and record weight and mass using g I recognise and know the value of different denominations of coins and notes up to and including £20	I can sequence events in chronological order using before, after, today, tomorrow, etc I can recognise and use language relating to dates including days of the week, months and the term year I can compare, describe, measure and record time (hrs, mins, secs) and use the language quicker, slower, earlier, later I can read and write the time on an analogue clock for O'clock and ½ past			I can recognise, draw and name common 2D shapes (rectangle, circle, square, triangle, hexagon, pentagon) I can recognise and name common 3D shapes (cuboid, cube, pyramid and sphere, cylinder, prism)	I can describe position, direction and movement including whole, ½, ¼ and ¾ turns



Step 2	Times Tables	Addition	Subtraction	Multiplication	Division	Fractions	Decimals	Percentage & Ratio
	I can count in 3's from 0 I can recall and use multiplication facts for 2, 5 and 10 I can recall and use division facts for 2, 5 and 10	I can add in 10's and 1's using an unstructured number line I can partition a number to add using number bonds to 10 e.g. 8 + 7 is 8 + 2 + 5 I can add 10 or 100 to any number and can add in multiples of 10 I can partition 2 and 3 digit numbers and add vertically use practical resources without crossing boundaries	I can subtract more efficiently using a number line using jumps of multiples of 10 with number up to 3 digits I can use related facts to subtract multiples of 10 and 100 e.g. 6-4=2 60-40=20 I can recognise the inverse between + and -	I can multiply using concrete objects, pictorial representations, arrays and repeated addition I know that multiplication can be done in any order	I can divide using concrete objects, pictorial representations, arrays and repeated subtraction I know that division of one number by another cannot be done in any order	I can recognise, find, name and write fractions ¼, ¼, 2/4, and ¾ of a length, shape, set of objects or quantity I can recognise the equivalence of 2/4 and ½ I can count in ½ and ¼ up to 10, recognising that fractions are numbers between whole numbers		
Place Value	Problem Solving	Properties of Number	Measures	Time	Perimeter & Area	Statistics	Shape	Position & Direction
I can understand the value of each digit in a 2 digit number I can compare and order numbers from 0-100 using <,> and = signs I can count un 10's from any number including crossing boundaries into 100's I can read and write numbers to at least 100	I can solve missing number problems for + and - with numbers up to 20 I can solve simple word problems involving + and - with numbers up to 50 I can solve x and ÷ problems using pictures and diagrams I can use place value and number facts to solve problems I can solve simple money problems involving + and finding the change, £ or p	I can recognise odd and even numbers I know my number bonds to 20	I can measure using appropriate equipment I can choose appropriate units of measure to estimate length, height, mass and capacity I can recognise and use the symbols for £, p I can find different combinations of coins that equal the same amount and a value I can compare and order measures and record using <, > and =	I know how many hours there are in a day and mins in an hr I can compare and sequence of intervals of time I can read and write the time on an analogue clock for quarter past and quarter to I can tell and write the time to 5 mins and draw the hands on a clock to show these times		I can answer simple questions about quantities from looking at tally charts, tables and block charts (scale of 1 or 2) I can interpret and construct simple tally charts, tables, pictograms and block diagrams I can answer questions by comparing information in simple bar charts e.g. which has the most, how much altogether	I can identify, describe and sort 2D shapes by naming them, talking about the number of sides and showing a vertical line of symmetry I can identify, describe and sort 3D shapes by talking about the number of faces, edges and vertices I can identify 2D shapes on the surface of 3D shapes I can compare and sort common 2D and 3D shapes in everyday objects	I can order and arrange combinations of mathematical objects I patterns and sequences I can use maths vocab to describe position, directions and movement, including straight line I can distinguish between rotation as a turn and in terms of right angles for quarter, half and 3 quarter turns



Step 3	Times Tables	Addition	Subtraction	Multiplication	Division	Fractions	Decimals	Percentage & Ratio
	I can recall and use the x and ÷ facts for the 3, 4 and 11 times tables I can recall and use the x and ÷ facts for the 8 times table recognising its relationship to the 4 times table I can count in multiples of 50 and 100	I can add 2 digit number and 3 digit numbers using formal written column addition method I can estimate the answer to an addition calculation or use the inverse to check its correct I can add money using both £ and p in a practical context I can add 1 and 2 digit numbers mentally	I can subtract 2 and 3 digit numbers using formal written column subtraction method without decomposing I can estimate the answer to an subtraction calculation or use the inverse to check its correct I can subtract money using both £ and p to give change in a practical context I can subtract 1 and 2 digit numbers mentally	I can use related facts to multiply multiples of 10 e.g. 2x3=6 therefore 2x30=60 I can partition a number into 10's and 1's to multiply	I can divide 2 digit numbers by another number using the tables I know	I can recognise fractions of shapes I can work out fractions of amounts for common fractions e.g. 1/2, ¼, 3/4, ½ of a set of objects I can compare and order fractions with the same denominator I can add and subtract fractions with the same denominator and recognise a whole as a fraction 3.g ¾+½=¾ I can recognise and show, using diagrams, simple equivalent fractions	I can count in tenths I understand a tenth as part of a whole divided into 10 equal parts I can recognise and write the decimal equivalent of a tenth e.g. 1/10 = 0.1	
Place Value	Problem Solving	Properties of Number	Measures	Time	Perimeter & Area	Statistics	Shape	Position & Direction
I can understand the value of each digit in a 3 digit number I can read and write numbers up to 1000 in numerals and words I can compare and order numbers up to 1000 I can count in 10's and 100's and can add or subtract 10 or 100 from any given number up to 1000	I can solve money problems involving + and finding the change £ and p I can solve missing number problems for all 4 operations with numbers up to 100 I can solve 1 step word problems involving four operations, including numbers beyond 100	I can recognise patterns in some multiplication tables (2, 5, 10, 4 and 8)	I can read measuring instruments with increasing accuracy I can compare, add and subtract measures including money I can solve problems involving measures, including simple problems of scale I can convert measures of length, mass, and capacity e.g. 5m=500cm	I can use the vocab of time - secs, mins, days, months, year (leap), o'clock, am, pm, noon & midnight I can record time in secs, mins, hrs and compare lengths of time and durations I can read and write the time to the nearest min on an analogue clock (R. Numerals) I can read time on a digital clock - 12/24 hr	I can measure the perimeter of simple 2D shapes	I can interpret and present data in charts, pictograms, tables and graphs, including reading and using a scale of 2, 5 and 10 I can solve 1 step problems using info presented in charts and graphs I can solve 2 step problems using info presented in charts and graphs	I can identify horizontal and vertical lines and pairs of perpendicular and parallel lines I can identify right angles and turns I can draw and recognise 2D shapes identifying <,> a right angle I can make 3D shapes, identify properties & recognise diff orientations	



Step 4	Times Tables	Addition	Subtraction	Multiplication	Division	Fractions	Decimals	Percentage & Ratio
	I can recall and use the multiplication and division facts for the 6 and 9 times table, recognising their relationship to the 3 times table I can recall and use the multiplication and division facts for the 7 times table I can recall and use the multiplication and division facts for all tables up to 12x12 I can count in multiples of 6, 7, 9, 25 and 1000	I can add money with decimal places using formal column addition method I can use inverse operations to check calculations I can add 3 and 4 digit numbers using formal column addition	I can subtract money, including decimals using formal column subtraction, including finding change I can subtract 3 and 4 digit numbers using formal column subtraction, including decomposing I can use the inverse to check calculations	I can use related facts to multiply multiples of 10 and 100 e.g. 2x3=6, 2x30=60, 2x300=600 I can use formal column method to multiply HTU and TU by U I can multiply 3 numbers using number facts to make it easier	I understand the effect of dividing by 1 and 10 I can divide 2 digit numbers using related multiplication facts I can divide 3 digit numbers by 1 digit using formal written methods	I can add and subtract fractions where the denominator is the same and beyond a whole I can recognise and show equivalent fractions in a family of fractions I can recognise and work out fractions of shapes, length and sets of objects e.g. ½ of? I can recognise and work out fractions of shapes, length and sets of objects e.g. ½, 34, and 36 of? etc	I can count in fractions tenths and decimal tenths I can round a decimal with 1dp to a whole number I can recognise 1/100 as a whole divided into 100 equal parts and as 10 parts of a tenth I can recognise decimal equivalences of tenths, hundredths and common fractions ½ ¼, ¾) I can compare and order decimals with the same number of decimal places up to 2 decimal places	
Place Value	Problem Solving	Properties of	Measures	Time	Perimeter & Area	Statistics	Shape	Position &
		Number						Direction
I can understand the value of a digit in a 4 digit number	I can solve missing number problems with large numbers using	I can recognise factor pairs of a number and multiples of single digit	I can use both £ and p in context and recognise equivalence	I can read, write and convert time between analogue and digital,	I can calculate the perimeter of rectangles including	I can interpret data presented in a range of graphical ways with a	I can compare and order angles	I can describe positions on a 2D grid
I can represent numbers in different ways – words, digits, R.	knowledge of place value	numbers I can recognise patterns across all of	I can convert between units of measure and where appropriate	12 and 24 hr clocks I can solve problems involving calculating	squares I can find the area of rectangles by counting	greater range of scales I can present discrete data using appropriate	I can identify and name acute and obtuse angles	I can use co-ordinates to plot a shape in the first quadrant
Numerals to 100	problems involving all four operations	the multiplication tables	record with decimal notation	length of time I can convert hours to	squares I can calculate the area	graphical methods	I can name, describe and sort quadrilaterals	I can complete polygons by giving a
I can compare and order numbers beyond 1000, counting back	I can solve simple scaling problems	I can use the = sign to write equality	I can estimate, compare and calculate	mins, mins to secs, and years to months and	of rectangles using x	I can interpret and present data in the form of time (line)	and triangles based on their properties	missing co-ordinate ion a grid
through 0 to neg. nos I can round any whole		statements for +, - and x	measures in a variety of contexts	weeks to days.		graphs I can solve comparison,	I identify lines of symmetry in 2D shapes and complete	I can translate shapes on a grid and describe the movement using
numbers to the nearest 10, 100, 1000		I can say 1000 more or less than a number				sum and difference problems from graphs	symmetrical patterns	left/right, up/down



Step 5	Times Tables	Addition	Subtraction	Multiplication	Division	Fractions	Decimals	Problem Solving
	I can recall quickly all the multiplication and division facts for tables up to 12 x 12 and use them confidently in larger calculations I can count forwards and backwards in steps of powers of 10 for any given number up to 1,000,000	I can add large numbers in different contexts using formal written column addition I can use rounding to estimate and check answers to calculations I can add a mix of whole numbers and decimals with different numbers of decimal places using column addition	I can subtract large numbers using formal written column subtraction I can use rounding to check answers to calculations I can subtract a mix of whole number and decimals with different numbers of decimal places using column subtraction	I can use formal column method to multiply up to Th, H, T U by whole numbers and up to 2dp I can use related facts to multiply multiples of 10 and 100 I can multiply TU by TU using formal long multiplication I can x and ÷ numbers mentally	I can divide 4 digit and 3 digit numbers by 1 digit using short division I can solve more complex problems using division including with remainders and round the answer appropriately I can represent a remainder as a fraction or decimal I can divide number up to 4 digits by a 2 digit number using long division	I can recognise and convert improper fractions to mixed numbers I can add and subtract fractions with the same denominators and different denominators including recognising and converting improper fractions to mixed numbers I can compare and order fractions with different denominators I can multiply proper fractions and mixed numbers by a whole number	I can compare whole numbers and decimals with up to 2dp I can round decimals with 2dp to the nearest whole number and 1 dp I can recognise and use, thousandths, hundredths and tenths and their decimal equivalents I can read, write, order and compare numbers that have a mixture of 1, 2, 3dp	I can use rounding to check answers to calculations I can solve multi step problems involving the combination of any of the 4 operations I can solve problems involving x and ÷ including scaling by simple fractions I can solve division problems interpreting remainders and adjusting the answer appropriately I can use all 4 operations to solve equivalent statements e.g. 5x?=18+12
Place Value	Percentage & Ratio	Properties of Number	Measures	Time	Perimeter & Area	Statistics	Shape	Position & Direction
I can investigate problems involving place value and properties of number I can read, write, order and compare numbers to 1 million and determine the value of each digit I can round any number to the nearest 10, 100, 100, 000 and 100, 000 I can interpret negative numbers in context I can read Roman numerals to 1000	I can recognise and understand % as part of 100 and write a % as a fractions and decimal	I can identify multiples and factors finding all factor pairs of a number and common factors of 2 numbers I know prime numbers up to 19, prime factors and composite numbers I can find the rule of a sequence I know square and cube numbers and use correct notation	I can convert between different units of measure using my understanding of x and ÷ by 10, 100, 1000 I can use all 4 operations to solve problems involving length, mass, capacity and scaling I can estimate volume and capacity I can convert metric to imperial units	I can solve problems that involve converting between units of time I can solve problems involving time including reading simple timetables	I can measure and calculate the area and perimeter of compound shapes using correct units of measurement I can estimate the area of irregular shapes I can find unknown lengths of rectilinear shapes using my understanding of perimeter and area	I can solve comparison, sum and difference problems using information presented I line graphs I can complete, read and interpret information presented in tables and other graphical representations I can decide which representations of data are most appropriate and explain why	I can identify and compare acute, obtuse and reflex angles I can draw and measure given angles to the nearest degree I can identify regular and irregular shapes and identify 3D shapes from 2D representations I can calculate missing angles on a st line, triangle or a point or in a right angle I can find missing lengths and angles in rectangles	I can identify, describe and draw the position of a shape on a grid after a reflection on a line parallel to the axis I can identify, describe and draw the position of a shape on a gird after a translation, reflection and rotation



Step 6	Times Tables	Addition	Subtraction	Multiplication	Division	Fractions	Decimals	Percentage & Ratio
	I can recall quickly all the multiplication and division facts for tables up to 12 x 12 and use them confidently in larger calculations	I can solve addition multi step problems in context with increasingly largest numbers	I can solve subtraction multi step problems in context with increasingly largest numbers	I can multiply numbers with up to 2dp by whole numbers I can use related facts to multiply multiples of 10 and 100 I can use formal written column multiplication to multiply Th H T U by TU I can solve multi step word problems and investigations involving all 4 operations	I can divide number up to 4 digits by a 2 digit number using long division I can express a quotient as a fraction, decimal or rounded according to context I can round and estimate as a means of predicting and checking	I can simplify fractions using common factors I can use common multiples to express fractions in the same denomination I can compare and order any set of fractions, proper or improper or mixed numbers including different denominators I can add or subtract fractions and mixed numbers with different denominators I can multiply simple pairs of proper fractions and simplify I can divide proper fractions by a whole number	I can multiply and divide numbers by 10, 100 and 1000 giving answers up to 3dp I can associate a fraction with division and calculate decimal equivalence of common factors such as ½, ¼, ½ I can calculate more complex decimal equivalence such as %=0.375 I can round answers with a specific degree of accuracy	I can recall and use equivalence between fractions, decimals and percentages to solve problems I can solve % problems in a variety of context such as comparing %'s I can solve problems involving similar shapes where the scale factor is known or can be found I can identify that a problem can be written as a ratio and solve problems using this relationship I can divide a quantity in a given ratio and recognise the proportion as a fraction of the whole
Place Value	Problem Solving	Properties of Number	Measures	Time	Perimeter & Area	Statistics	Shape	Position & Direction
I can read, write, order and compare numbers up to 10, 000, 000 and determine the value of each digit I can round any while number to a required degree of accuracy I can use negative numbers, in context, and calculate intervals across	I consistently check the reasonableness of my answers in all calculations I can express missing number problems algebraically I can find pairs of numbers that satisfy an equation with 2 unknowns I can solve problems using formulae and algebraic equations	I can identify common factors, common multiples and prime numbers with larger numbers I can explore the order of operations using brackets I can generate and describe linear number sequences I can make generalisations about number patterns	I can read, convert, write and solve problems between units of measure up to 3dp I can calculate, estimate and compare volume of cubes and cuboids using standard units I can recognise, when it is possible, to calculate volume I can convert between miles and km		I can investigate relationships between area and perimeter I can calculate the area of parallelograms and triangles I can recognise when it is possible to use formulae to calculate area	I can construct a pie chart I can interpret a pie chart I can solve problems using the data from line graphs (conversion graphs) and pie charts I can calculate the mean as an average and understand when it is appropriate to find the mean of a set of data	I can accurately draw 2D shapes using given angles and dimensions I can recognise, describe & build simple 3D shapes, including nets I can compare & classify geometric shapes I can illustrate and name parts of a circle including radius, diameter & circumference	I can draw and translate simple shapes on a 4 quadrant grid I can reflect simple shapes in the axes I can predict missing coordinates using the properties of shapes I can recognise vertically opposite angles and use these to calculate missing angles



FS	Times Tables	Addition	Subtraction	Multiplication	Division	Fractions	Decimals	Percentage & Ratio
	I can double a number from 1-20	I can add two single digit numbers using quantities and objects I can count on to find an answer when adding two single digit numbers	I can subtract two single digit numbers using quantities and objects I can count back to find an answer when subtracting two single digit numbers					
Place Value	Problem Solving	Properties of Number	Measures	Time	Perimeter & Area	Statistics	Shape	Position & Direction
I can count with reliability from 1-20 I can order numbers from 1-20 I can identify one more than a given number within 1-20 I can identify one less than a given number within 1-20	I can solve simple problems including doubling, halving and sharing I can solve simple problems involving size, weight, capacity, distance, time, position and money	I can create and describe patterns	I can compare quantities and objects using everyday language for size, weight, capacity, distance and money	I can compare quantities and objects using everyday language for time			I can create and describe patterns I can name simple 2D shapes (square, rectangle, triangle, circle) I can name simple 3D shapes (cube, sphere, cylinder, cone, cuboid) I can use the following mathematical language to describe shapes: side, curved, straight, corner, flat, solid	I can compare quantities and objects using everyday language for position

