

PROGRESSION IN NUMBER – PLACE VALUE

	Year 3	Year 4	Year 5	Year 6
Counting	<ul style="list-style-type: none"> Count from 0 in multiples of 4, 8, 50 and 100 Count up and down in tenths 	<ul style="list-style-type: none"> Count in multiples of 6, 7, 9, 25 and 1000 Count backwards through zero to include negative numbers Count up and down in hundredths 	<ul style="list-style-type: none"> Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 Count forwards and backwards in decimal steps 	<ul style="list-style-type: none"> Count forwards or backwards in steps of integers, decimals, powers of 10
Reading and Writing	<ul style="list-style-type: none"> Read and write numbers up to 1000 in numerals and in words Read and write numbers with one decimal place 	<ul style="list-style-type: none"> Read and write numbers to at least 10 000 Read and write numbers with up to two decimal places 	<ul style="list-style-type: none"> Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit Read, write, order and compare numbers with up to 3 decimal places 	<ul style="list-style-type: none"> Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit
Place Value	<ul style="list-style-type: none"> Identify, represent and estimate numbers using different representations (including the number line) Recognise the place value of each digit in a three-digit number (hundreds, tens, ones) Identify the value of each digit to one decimal place Partition numbers in different ways (e.g. $146 = 100 + 40 + 6$ and $146 = 130 + 16$) Find the effect of multiplying a one- or two-digit number by 10 and 100, identify the value of the digits in the answer Find 1, 10 or 100 more or less than a given number 	<ul style="list-style-type: none"> Recognise the place value of each digit in a four-digit number Identify the value of each digit to two decimal places Partition numbers in different ways (e.g. $2.3 = 2 + 0.3$ & $1 + 1.3$) Identify, represent and estimate numbers using different representations (including the number line) Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer Find 0.1, 1, 10, 100 or 1000 more or less than a given number 	<ul style="list-style-type: none"> Identify the value of each digit to three decimal places Identify represent and estimate numbers using the number line Find 0.01, 0.1, 1, 10, 100, 100 and other powers of 10 more or less than a given number Multiply/divide whole numbers and decimals by 10, 100 and 1000 	<ul style="list-style-type: none"> Identify the value of each digit to three decimal places Identify, represent and estimate numbers using the number line Find 0.001, 0.01, 0.1, 1, 10 and powers of 10 more/less than a given number Multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places
Comparing and Ordering	<ul style="list-style-type: none"> Compare and order numbers up to 1000 Compare and order numbers with one decimal place 	<ul style="list-style-type: none"> Order and compare numbers beyond 1000 Order and compare numbers with the same number of decimal places up to two decimal places 		<ul style="list-style-type: none"> Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit Order and compare numbers including integers, decimals and negative numbers

Rounding	<ul style="list-style-type: none"> Round numbers to at least 1000 to the nearest 10 or 100 	<ul style="list-style-type: none"> Round any number to the nearest 10, 100 or 1000 Round decimals (one decimal place) to the nearest whole number 	<ul style="list-style-type: none"> Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 Round decimals with two decimal places to the nearest whole number and to one decimal place 	<ul style="list-style-type: none"> Round any whole number to a required degree of accuracy Round decimals with three decimal places to the nearest whole number or one or two decimal places
Sequences	<ul style="list-style-type: none"> Describe and extend number sequences involving counting on or back in different steps 	<ul style="list-style-type: none"> Describe and extend number sequences involving counting on or back in different steps, including sequences with multiplication and division steps 	<ul style="list-style-type: none"> Describe and extend number sequences including those with multiplication/division steps and where the step size is a decimal 	<ul style="list-style-type: none"> Describe and extend number sequences including those with multiplication and division steps, inconsistent steps, alternating steps and those where the step size is a decimal
Roman Numerals	<ul style="list-style-type: none"> Read Roman numerals from I to XII 	<ul style="list-style-type: none"> Read Roman numerals to 100 and know that over time, the numeral system changed to include the concept of zero and place value 	<ul style="list-style-type: none"> Read Roman numerals to 1000 (M); recognise years written as such 	
Negative numbers		<ul style="list-style-type: none"> Count backwards through zero to include negative numbers 	<ul style="list-style-type: none"> Interpret negative numbers in context, count on and back with positive and negative whole numbers, including through zero 	<ul style="list-style-type: none"> Use negative numbers in context, and calculate intervals across zero
	Solve number problems and practical problems involving these ideas	Solve number and practical problems that involve all of the above and with increasingly large positive numbers	Solve number and practical problems that involve all of the above	Solve number and practical problems that involve all of the above

PROGRESSION IN NUMBER – ADDITION AND SUBTRACTION

	Year 3	Year 4	Year 5	Year 6
Addition and subtraction facts	<ul style="list-style-type: none"> Recall/use addition/subtraction facts for 100 (multiples of 5 and 10) Derive and use addition and subtraction facts for 100 Derive and use addition and subtraction facts for multiples of 100 totalling 1000 	<ul style="list-style-type: none"> Recall and use addition and subtraction facts for 100 Recall and use +/- facts for multiples of 100 totalling 1000 Derive and use addition and subtraction facts for 1 and 10 (with decimal numbers to one decimal place) 	<ul style="list-style-type: none"> Recall and use addition and subtraction facts for 1 and 10 (with decimal numbers to one decimal place) Derive and use addition and subtraction facts for 1 (with decimal numbers to two decimal places) 	<ul style="list-style-type: none"> Recall and use addition and subtraction facts for 1 (with decimals to two decimal places)
Mental methods	<ul style="list-style-type: none"> Add and subtract numbers mentally, including: <ul style="list-style-type: none"> a three-digit number and ones a three-digit number and tens a three-digit number and hundreds 	<ul style="list-style-type: none"> Select a mental strategy appropriate for the numbers involved in the calculation Add and subtract mentally combinations of two and three digit numbers and decimals to one decimal place 	<ul style="list-style-type: none"> Select a mental strategy appropriate for the numbers involved in the calculation Add and subtract numbers mentally with increasingly large numbers and decimals to two decimal places 	<ul style="list-style-type: none"> Select a mental strategy appropriate for the numbers in the calculation Perform mental calculations including with mixed operations and large numbers and decimals
Formal written methods	<ul style="list-style-type: none"> Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction 	<ul style="list-style-type: none"> Add and subtract numbers with up to 4 digits and decimals with one decimal place using the formal written methods of columnar addition and subtraction where appropriate 	<ul style="list-style-type: none"> Add and subtract whole numbers with more than 4 digits and decimals with two decimal places, including using formal written methods (columnar addition and subtraction) 	<ul style="list-style-type: none"> Add and subtract whole numbers and decimals using formal written methods (columnar addition and subtraction)
Choosing and Using appropriate strategies	<ul style="list-style-type: none"> Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method) Select a mental strategy appropriate for the numbers involved in the calculation Understand and use take away and difference for subtraction, deciding on the most efficient method for the numbers involved, irrespective of context 	<ul style="list-style-type: none"> Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method) 	<ul style="list-style-type: none"> Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method) 	<ul style="list-style-type: none"> Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method)

Estimation and checking	<ul style="list-style-type: none"> Estimate the answer to a calculation and use inverse operations to check answers 	<ul style="list-style-type: none"> Estimate; use inverse operations to check answers to a calculation 	<ul style="list-style-type: none"> Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy 	<ul style="list-style-type: none"> Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy
Order of operations				<ul style="list-style-type: none"> Use knowledge of the order of operations to carry out calculations
Problem solving	Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	<ul style="list-style-type: none"> Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why Solve addition and subtraction problems involving missing numbers 	<ul style="list-style-type: none"> Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Solve addition and subtraction problems involving missing numbers 	<ul style="list-style-type: none"> Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why Solve problems involving all four operations, including those with missing numbers

PROGRESSION IN NUMBER – MULTIPLICATION AND DIVISION				
	Year 3	Year 4	Year 5	Year 6
Multiplication and division facts	<ul style="list-style-type: none"> Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables 	<ul style="list-style-type: none"> Recall multiplication and division facts for multiplication tables up to 12×12 		
Properties of Number		<ul style="list-style-type: none"> Recognise and use factor pairs and commutativity in mental calculations 	<ul style="list-style-type: none"> Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers Establish whether a number up to 100 is prime and recall prime numbers up to 19 Recognise and use square ⁽²⁾ and cube ⁽³⁾ numbers, and notation 	<ul style="list-style-type: none"> Identify common factors, common multiples and prime numbers
Mental methods	<ul style="list-style-type: none"> Understand that division is the inverse of multiplication and vice versa Understand how multiplication and division statements can be represented using arrays Understand division as sharing and grouping and use each appropriately Derive and use doubles of all numbers to 100 and corresponding halves Derive and use doubles of all multiples of 50 to 500 Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods 	<ul style="list-style-type: none"> Use partitioning to double or halve any number, including decimals to one decimal place Use place value, known and derived facts to multiply and divide mentally, including: <ul style="list-style-type: none"> multiplying by 0 and 1 dividing by 1 multiplying together three numbers 	<ul style="list-style-type: none"> Use partitioning to double or halve any number, including decimals to two decimal places Multiply and divide numbers mentally drawing upon known facts 	<ul style="list-style-type: none"> Use partitioning to double or halve any number Perform mental calculations, including with mixed operations and large numbers

Formal written methods	<ul style="list-style-type: none"> Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods 	<ul style="list-style-type: none"> Multiply two-digit and three-digit numbers by a one-digit number using formal written layout Divide numbers up to 3 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context 	<ul style="list-style-type: none"> Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context 	<ul style="list-style-type: none"> Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication Multiply one-digit numbers with up to two decimal places by whole numbers Divide numbers up to 4 digits by a two-digit whole number using the formal written methods of short or long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context Use written division methods in cases where the answer has up to two decimal places
Choosing and using appropriate strategies	<ul style="list-style-type: none"> Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method) 	<ul style="list-style-type: none"> Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method) 	<ul style="list-style-type: none"> Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method) 	<ul style="list-style-type: none"> Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting, written method)
Estimation and checking	<ul style="list-style-type: none"> Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy 	<ul style="list-style-type: none"> Use estimation and inverse to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy 	<ul style="list-style-type: none"> Use estimation/inverse to check answers to calculations; determine, in the context of a problem, an appropriate degree of accuracy 	<ul style="list-style-type: none"> Use estimation and inverse to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy
Order of operations				<ul style="list-style-type: none"> Use knowledge of the order of operations to carry out calculations
Problem solving	<ul style="list-style-type: none"> Solve problems, including missing number problems, involving multiplication and division (and interpreting remainders), including positive integer scaling problems and correspondence problems in 	<ul style="list-style-type: none"> Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, division (including interpreting remainders), integer scaling problems and harder 	<ul style="list-style-type: none"> Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign Solve problems involving multiplication and division 	<ul style="list-style-type: none"> Solve problems involving all four operations, including those with missing numbers

	which n objects are connected to m objects	correspondence problems such as n objects are connected to m objects	including using their knowledge of factors and multiples, squares and cubes <ul style="list-style-type: none"> Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates 	
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PROGRESSION IN NUMBER - FRACTIONS, DECIMALS AND PERCENTAGES

	Year 3	Year 4	Year 5	Year 6
Counting	<ul style="list-style-type: none"> Count on and back in steps of $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{3}$ 	<ul style="list-style-type: none"> Count on and back in steps of unit fractions 	<ul style="list-style-type: none"> Count on and back in mixed number steps such as $1\frac{1}{2}$ 	
Fractions and Division	<ul style="list-style-type: none"> Show practically or pictorially that a fraction is one whole number divided by another (e.g. $\frac{3}{4}$ can be interpreted as $3 \div 4$) Understand that finding a fraction of an amount relates to division Recognise that tenths arise from dividing objects into 10 equal parts and in dividing one-digit numbers or quantities by 10 Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators 	<ul style="list-style-type: none"> Understand that a fraction is one whole number divided by another (e.g. $\frac{3}{4}$ can be interpreted as $3 \div 4$) Recognise, find and write fractions of a discrete set of objects including those with a range of numerators and denominators Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten 		<ul style="list-style-type: none">
Equivalent fractions	<ul style="list-style-type: none"> Recognise and show, using diagrams, equivalent fractions with small denominators 	<ul style="list-style-type: none"> Recognise and show, using diagrams, families of common equivalent fractions 	<ul style="list-style-type: none"> Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths 	<ul style="list-style-type: none"> Use common factors to simplify fractions; use common multiples to express fractions in the same denomination

Fractions and Decimals		<ul style="list-style-type: none"> Recognise and write decimal equivalents of any number of tenths or hundredths Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ 	<ul style="list-style-type: none"> Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents Read and write decimal numbers as fractions (e.g. $0.71 = \frac{71}{100}$) 	<ul style="list-style-type: none"> Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts Associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375 and $\frac{3}{8}$)
Fractions and Percentages			<ul style="list-style-type: none"> Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal 	<ul style="list-style-type: none"> Find simple percentages of amounts
Improper fractions and mixed numbers			<ul style="list-style-type: none"> Recognise mixed numbers and improper fractions and convert from one form to the other Write statements > 1 as a mixed number (e.g. $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$) 	
Compare and order fractions	<ul style="list-style-type: none"> Compare and order unit fractions, and fractions with the same denominators (including on a number line) 	<ul style="list-style-type: none"> Compare and order unit fractions and fractions with the same denominators (including on a number line) 	<ul style="list-style-type: none"> Compare and order fractions whose denominators are all multiples of the same number (including on a number line) 	<ul style="list-style-type: none"> Compare and order fractions, including fractions > 1 (including on a number line)
Add and subtract fractions	<ul style="list-style-type: none"> Add and subtract fractions with the same denominator within one whole [for example, $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$] 	<ul style="list-style-type: none"> Add and subtract fractions with the same denominator (using diagrams) 	<ul style="list-style-type: none"> Add and subtract fractions with denominators that are the same and that are multiples of the same number (using diagrams) 	<ul style="list-style-type: none"> Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions
Multiply and divide fractions			<ul style="list-style-type: none"> Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams 	<ul style="list-style-type: none"> Multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$) Divide proper fractions by whole numbers (e.g. $\frac{1}{3} \div 2 = \frac{1}{6}$)
Ratio and Proportion				<ul style="list-style-type: none"> Solve problems involving the relative sizes of two quantities

				<p>where missing values can be found using integer multiplication/division facts</p> <ul style="list-style-type: none"> • Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples • Solve problems involving similar shapes where the scale factor is known or can be found
Problem solving	Solve problems that involve all of the above	<ul style="list-style-type: none"> • Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number • Solve simple measure and money problems involving fractions and decimals to two decimal places 	<ul style="list-style-type: none"> • Solve problems involving fractions and decimals to three places • Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and fractions with a denominator of a multiple of 10 or 25 	<ul style="list-style-type: none"> • Solve problems involving fractions • Solve problems which require answers to be rounded to specified degrees of accuracy • Solve problems involving the calculation of percentages (e.g. of measures and such as 15% of 260) and the use of percentages for comparison

PROGRESSION IN GEOMETRY

	Year 3	Year 4	Year 5	Year 6
Properties of shapes	<ul style="list-style-type: none"> • Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them • Recognise angles as a property of shape or a description of a turn • Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle • Identify horizontal and vertical lines and pairs of perpendicular and parallel lines 	<ul style="list-style-type: none"> • Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes • Identify lines of symmetry in 2-D shapes presented in different orientations • Complete a simple symmetric figure with respect to a specific line of symmetry • Continue to identify horizontal and vertical lines and pairs of perpendicular and parallel lines • Identify acute and obtuse angles and compare and order angles up to two right angles by size 	<ul style="list-style-type: none"> • Distinguish between regular and irregular polygons based on reasoning about equal sides and angles • Use the properties of rectangles to deduce related facts and find missing lengths and angles • Identify 3-D shapes from 2-D representations • Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles • Draw given angles, and measure them in degrees ($^{\circ}$) • Identify: <ul style="list-style-type: none"> - angles at a point and one whole turn (total 360°) - angles at a point on a straight line and half a turn (total 180°) - other multiples of 90° 	<ul style="list-style-type: none"> • Compare/classify geometric shapes based on the properties and sizes • Draw 2-D shapes using given dimensions and angles • Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius • Recognise, describe and build simple 3-D shapes, including making nets • Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles
Position and Direction	<ul style="list-style-type: none"> • Describe positions on a square grid labelled with letters and numbers 	<ul style="list-style-type: none"> • Describe positions on a 2-D grid as coordinates in the first quadrant • Plot specified points and draw sides to complete a given polygon • Describe movements between positions as translations of a given unit to the left/right and up/down 	<ul style="list-style-type: none"> • Describe positions on the first quadrant of a coordinate grid • Plot specified points and complete shapes • Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed 	<ul style="list-style-type: none"> • Describe positions on the full coordinate grid (all four quadrants) • Draw and translate simple shapes on the coordinate plane, and reflect them in the axes

PROGRESSION IN MEASUREMENT

	Year 3	Year 4	Year 5	Year 6
Length, Mass and Capacity	<ul style="list-style-type: none"> Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) 	<ul style="list-style-type: none"> Estimate, compare and calculate different measures, including money in pounds and pence Convert between different units of measure [e.g. kilometre to metre; hour to minute] 	<ul style="list-style-type: none"> Use, read and write standard units of length and mass Convert between different units of metric measure Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints 	<ul style="list-style-type: none"> Use, read and write standard units of length, mass, volume and time using decimal notation to three decimal places Convert between standard units of length, mass, volume and time using decimal notation to three decimal places Convert between miles and kilometres
Area, Perimeter and Volume	<ul style="list-style-type: none"> Understand perimeter is a measure of distance around the boundary of a shape Measure the perimeter of simple 2-D shapes 	<ul style="list-style-type: none"> Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres Know area is a measure of surface within a given boundary Find the area of rectilinear shapes by counting squares 	<ul style="list-style-type: none"> Measure/calculate the perimeter of composite rectilinear shapes Calculate and compare the area of rectangle, use standard units square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes Estimate (and calculate) volume ((e.g., using 1 cm³ blocks to build cuboids (including cubes)) and capacity (e.g. using water) Understand the difference between liquid volume and solid volume 	<ul style="list-style-type: none"> Recognise that shapes with the same areas can have different perimeters and vice versa Calculate the area of parallelograms and triangles Recognise when it is possible to use formulae for area and volume of shapes Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units (e.g. mm³ and km³)
Temperature	<ul style="list-style-type: none"> Continue to estimate and measure temperature to the nearest degree (°C) using thermometers 	<ul style="list-style-type: none"> Order temperatures including those below 0°C 	<ul style="list-style-type: none"> Continue to order temperatures including those below 0°C 	<ul style="list-style-type: none"> Calculate differences in temperature, including those that involved a positive and negative temperature
Time	<ul style="list-style-type: none"> Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks Estimate/read time with increasing accuracy to the nearest minute Record/compare time in terms of seconds, minutes, hours; use vocabulary such as o'clock, 	<ul style="list-style-type: none"> Read, write and convert time between analogue and digital 12- and 24-hour clocks 	<ul style="list-style-type: none"> Continue to read, write and convert time between analogue and digital 12 and 24-hour clocks Solve problems involving converting between units of time Use all four operations to solve problems involving measure 	

	<p>a.m./p.m., morning, afternoon, noon, midnight</p> <ul style="list-style-type: none"> Know the number of seconds in a minute and the number of days in each month, year and leap year Compare durations of events [for example to calculate the time taken by particular events or tasks] 		using decimal notation, including scaling	
Money	<ul style="list-style-type: none"> Continue to recognise and use the symbols for pounds (£) and pence (p) and understand that the decimal point separates pounds/pence Recognise that ten 10p coins equal £1 and that each coin is $\frac{1}{10}$ of £1 Add and subtract amounts of money to give change, using both £ and p in practical contexts 	<ul style="list-style-type: none"> Estimate, compare and calculate different measures, including money in pounds and pence Write amounts of money using decimal notation Recognise that one hundred 1p coins equal £1 and that each coin is $\frac{1}{100}$ of £1 Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days and problems involving money and measures 		
Problem Solving	<ul style="list-style-type: none"> Solve problems involving money and measures and simple problems involving passage of time 	<ul style="list-style-type: none"> Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days and problems involving money and measures 	<ul style="list-style-type: none"> Use all four operations to solve problems involving measure using decimal notation, including scaling Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate 	<ul style="list-style-type: none"> Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate

PROGRESSION IN STATISTICS

	Year 3	Year 4	Year 5	Year 6
Sorting diagrams	<ul style="list-style-type: none"> • Use sorting diagrams to compare and sort objects, numbers and common 2-D and 3-D shapes and everyday objects 	<ul style="list-style-type: none"> • Use a variety of sorting diagrams to compare and classify numbers and geometric shapes based on their properties and sizes 	<ul style="list-style-type: none"> • Complete and interpret information in a variety of sorting diagrams (including those used to sort properties of numbers and shapes) 	<ul style="list-style-type: none"> • Continue to complete and interpret information in a variety of sorting diagrams (including sorting properties of numbers and shapes)
Bar charts, pictograms and tables	<ul style="list-style-type: none"> • Interpret and present data using bar charts, pictograms and tables • Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables 	<ul style="list-style-type: none"> • Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts, time graphs • Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs 	<ul style="list-style-type: none"> • Complete, read and interpret information in tables and timetables • Solve comparison, sum and difference problems using information presented in all types of graph including a line graph 	<ul style="list-style-type: none"> • Solve comparison, sum and difference problems using information presented in all types of graph
Mode, Median and Range			<ul style="list-style-type: none"> • Calculate and interpret the mode, median and range 	Calculate and interpret the mean as an average
Line graphs			<ul style="list-style-type: none"> • Solve comparison, sum and difference problems using information presented in all types of graph including a line graph 	<ul style="list-style-type: none"> • Interpret and construct pie charts and line graphs and use these to solve problems
Pie Charts				<ul style="list-style-type: none"> • Interpret and construct pie charts and line graphs and use these to solve problems