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| **Charnock Hall Primary Academy Curriculum End Points - Maths** | | | | | | | | | | |
| Statistics | | Ratio | Four Operations | Place value and number | | Fractions | Algebra | | Geometry | Measurement |
|  | Autumn Term | | | | Spring Term | | | Summer Term | | |
| EYFS | Mastering Number  Numbers 0- 5  Subitising  I can subitise within 3  I can subitise objects and sounds  Counting, ordinality and cardinality  I can focus on counting skills  I can focus on the ‘five- ness of 5’ using one hand and the die pattern for 5.  Composition  I can explore how all numbers are made up of 1’s.  I can focus on the composition of 3, 4 and 5.  I can explore the concept of ‘whole’ and ‘part’.  Comparison  I can compare sets ‘just by looking’ and progressing to matching.  I can use the language of comparison: more than and fewer than, an equal number.  Pattern  I can recognise an ABAB repeating pattern and say what comes next.  I can recognise an ABC Pattern and say what comes next.  Shape  I can name 2D shapes.  I can name some 3D shapes.  I can recognise 2D/3D shapes in the environment around me.  I can recognise 2D shapes within 3D shapes.  Measurement  I can use language associated with length.  I can compare the length of two objects.  I can use language associated with weight.  I can compare the weight of two objects. | | | | Mastering Number  Numbers 0- 8  Subitising  I can subitise within 5 focusing on die patterns  I can match numerals to quantities within 5.  Counting, ordinality and cardinality  I can practise object-counting skills.  I can match numerals to quantities within 10.  I can count verbally beyond 20.  I can count focusing on ordinality and the ‘staircase’ pattern.  I can order numbers to 8.  I can see that each number is one more than the previous number.  Composition  I can focus on 5 and know that 6 and 7 are ‘5 and a bit’.  I can explore doubles.  I know that some numbers can be made with equal parts.  I can sort numbers according to attributes- odd and even numbers.  Comparison  I can compare sets and use language of comparison: more than, fewer than, an equal number to.  I can make unequal sets equal.  I can use language of ‘less than’.  Pattern  I can continue an AB and ABC pattern.  I can make my own AB and ABC pattern.  Shape  I can begin to describe the properties of some 2D/3D shapes.  Measurement  I can use language associated with capacity.  I can compare the capacity of two containers.  I can recognise the relationship between the size and number of units when exploring length.  I can begin to use units to compare length.  I can recognise the relationship between the size and number of units when exploring weight.  I can begin to use units to compare weight.  Time  I can order events and time. | | | Mastering Number  Numbers 0- 10  Subitising  I can subitise to 6, including in structured arrangements.  Counting, ordinality and cardinality  I can count larger sets and things that cannot be seen.  Composition  I can tell you how a number is composed of ‘5 and a bit’.  I can tell you how to compose 10.  Comparison  I can compare numbers linked to my knowledge of ordinality.  Review and Assess:  I can automatically recall number bonds to 5  I can tell you the composition of numbers to 10  I can compare numbers.  I can describe number patterns.  I can verbally count to 20.  Introduce the Rekenrek  Pattern  I can continue a pattern that ends mid unit.  I can make my own ABB/ABBC Patterns  Shape  I can describe properties of shapes and show an awareness of relationships between shapes.  Measurement  I can recognise the relationship between the size and number of units when exploring capacity.  I can begin to use units to compare capacity.  Time  I can experience time durations (sandtimers, stopwatches, calendars etc). | | |
| Year 1 | **Unit 1** – Numbers to 10  I can sort and count objects to 10  I can count and write to 10  I can count backwards from 10-0  I can count one more and one less  I can compare and order number  I can learn to use a number line  **Unit 2** – Part-whole within 10  I can use the part-whole model  I can write number sentences  I can find different ways to make numbers  I can make number bonds  I can compare number bonds.  **Unit 3** – Addition within 10  I can add parts to find the whole  I can find a missing part  I can practise using number bonds  I can find fact families  I can solve world problems  **Unit 4** –Subtraction within 10  I can do subtraction to 10  I can take away to find how many are left  I can subtraction by breaking the whole into parts  I can discover related number facts  I can compare additions and subtractions  I can find the difference  I can solve word problems  **Unit 5** – 2D & 3D Shapes  I can recognise and name common 2D and 3D shapes  I can make patterns with shapes | | | | **Unit 6** – Numbers to 20  I can count using tens and ones  I can count one more and one less to 20  I can compare numbers of objects to 2  I can compare and order numbers to 20  I can count using 10s and 1s  I can count one more and one less  I can compare numbers of objects  I can compare and order numbers  Unit 7- Addition and Subtraction to 20  I can add and subtract by counting on or back  I can add and subtract using number bonds  I can use doubles and near doubles  I can find a difference  I can solve word problems  Unit 8 - Numbers to 50  I can count up to 50  I can compare numbers to 50  I can order numbers  I can count in 2s and 5s  I can solve word and picture problems  Unit 9 - Length and height  I can compare lengths and heights of objects  I can use non-standard units to measure objects  I can measure with a ruler  I can solve word problems about length  Unit 10 - Mass and Capacity  I can compare the mass of objects  I can weigh objects  I can compare the capacity of objects  I can measure capacity | | | Unit 11 - Multiplication and division  I can count in 2s, 10s and 5s  I can recognise and make equal groups  I can add equal groups  I can make arrays  I can make doubles  I can group and share  Unit 12 - Fractions  I can recognise and find half of a shape,  I can recognise and find a half of a quantity  I can recognise and find quarter of a shape  I can recognise and find a quarter of a quantity  Unit 13 - Positions and Direction  I can describe turns  I can describe position (left and right)  I can describe position (forwards and backwards), describe position (above and below)  I can reissues and use ordinal numbers  Unit 14 - number and place value  I can count from 50 to 100  I can count in 10s to 100  I can partition 10s and 1s,  I can use the number line to 100  I can identify one more and one less  I can compare numbers  Unit - 15 Money  I can recognise notes and coins  I can count in coins  Unit - 16 Time  I can sequence events  I can use chronological language  I can recognise and recall days of the week and months  I can tell the time to the hour  I can tell the time to half past the house | | |
| Year 2 | Unit 1 - Numbers to 100  I can count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number.  I can count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens.  I can recognise the place value of each digit in a two‐digit number. (tens, ones)  I can identify, represent and estimate numbers using different representations, including the number line.  I can compare and order numbers from 0 up to 100; use and = signs.  I can count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward.  Unit 2 - Addition and Subtraction (1)  I can recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.  I can add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two‐digit number and ones.  I can add and subtract numbers using concrete objects, pictorial representations, and mentally, including: adding three one‐digit.  Unit 3: - Addition and Subtraction (2)  I can count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward.  I can add and subtract numbers using concrete objects, pictorial representations, and mentally, including two two‐digit numbers.  Unit 4: - Properties of Shape  I can solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures.  I can compare and sort common 2D and 3D shapes and everyday objects.  I can identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line.  I can compare and sort common 2‐D and 3‐D shapes and everyday object.  I can order and arrange combinations of mathematical objects in patterns and sequences.  I can identify and describe the properties of 3D shapes, including the number of edges, vertices and faces.  I can compare and sort common 2D and 3D shapes and everyday objects.  I can order and arrange combinations of mathematical objects in patterns and sequences. | | | | Unit 5 - Money  I can recognise and use symbols for pound and pence.  I can find different combinations of coins that equal the same amounts of money.  I can solve simple problems in practical context involving addition and subtraction of money.  Unit 6 - Multiplication and Division  I can solve problems involving multiplication and division.  I can calculate mathematical statements for multiplication and division.  Unit 7 - Multiplication and Division  I can recall and use multiplication and division facts 2,5 and 10.  Unit 8 - Length and Height  I can measure in centimetres.  I can measure in meters.  I can compare lengths and heights.  I can order lengths and heights.  I can compare, measure grams, kilograms, capacity and temperature.  Unit 9 - Mass, Capacity and Temperature  I can compare and order lengths, mass, volume and read scales.  I can choose and use appropriate standard units.  I can make estimations to the nearest unit.  Unit 10 - Statistics  I can make tally charts.  I can interpret and construct a table.  I can interpret and construct a block diagram.  I can draw pictograms in the representation of 1, 2, 5 and 10. | | | Unit 11 - Fractions  I can recognise parts and wholes  I can recognise equal and unequal parts  I can recognise and find half of a shape  I can recognise and find quarter of a shape  I can understand unit and non-unit fractions  I can recognise the equivalence of a half and two quarters  I can count in fractions  Unit 13 - Position and Direction  I can describe a position, direction and movement.  I can rotate a turn clockwise and anti-clockwise.  I can rotate a turn to a quarter turn, half turn and three-quarter turn.  Unit 14 - Time  I can tell and write the time to the hour and half past the hour.  I can tell and write the time quarter to and quarter past the hour.  I can tell and write the time to five minutes to the hour.  I can draw hands on a clock face to show these times.  I can identify how many minutes are in an hour and how many hours are in a day.  Unit 15 - Problem solving  I can use place value and number facts to solve problems  I can recognise the inverse relationship between addition and subtraction and use this to solve missing number problems.  I can solve problems using multiplication and division facts. | | |
| Year 3 | Unit 1 - Place Value within 1,000  I can read, write, order and compare numbers up to 1,000 and determine the value of each digit  I can count in multiples of 50 and 100  I can represent numbers to 1,000 using different representations  I can estimate numbers using different representations  I can find 1 or 10 or 100 more or less than a given number  Unit 2 and 3 - Addition and Subtraction  I can add and subtract numbers mentally  I can add and subtract numbers with up to three digits using formal written methods  I can estimate the answer to a calculation  I can use the inverse to check answers  I can solve problems using number facts and more complex addition and subtraction  Unit 4 - Multiplication and division (1)  I can recognise equal groups  I can use arrays  I can identify multiples of 2, 5 and 10  I can share and group  Unit 4 - Multiplication and division (2)  I can multiply and divide by 3  I can multiply and divide by 4  I can multiply and divide by 8  I can solve problems using know multiplication and division facts | | | | Unit 6 - Multiplication and Division (3)  I can write and calculate mathematical statements for multiplication and division  I can multiply two-digit numbers by one-digit number using mental and written methods.  I can solve problems including missing number problems  Unit 7 - Length and Perimeter  I can measure and compare lengths (m/cm/mm)  I can add and subtract lengths (m/cm/mm)  I can measure the perimeter of 2-D shapes  I can solve problems that involve length  Unit 8 - Fractions 1  I can recognise, find and write fractions of numbers  I can recognise unit and non-unit fractions  I can compare and order fractions.  I can show equivalent fractions.  I can count up and down in tenths  Unit 9 - Mass  I can measure and compare mass (kg/g)  I can add and subtract mass (kg/g)  I can solve problems that involve mass  Unit 10 - Capacity  I can measure and compare capacity/ volume (l/ml)  I can convert between capacities and volumes  I can add and subtract capacity/ volume (l/ml)  I can solve problems that involve capacity | | | Unit 11 - Fractions (2)  I can recognise, find and write fractions of a discrete set of objects  I can add and subtract fractions with the same denominator within one whole  I can solve problems that involve all of the above  Unit 12 – Money  I can convert pounds and pence  I can add and subtract amounts of money I can find change  Unit 13 – Time  I can read Roman numerals to 12  I can tell and write the time from an analogue clock  I can estimate and read time with increasing accuracy to the nearest minute  I can know the number of seconds in a minute and the number of days in each month, year and leap year  I can compare durations of events  Unit 14 - Angles and properties of shapes  I can draw 2-D shapes and make 3-D shapes using modelling materials  I can recognise angles as a property of shape or a description of a turn  I can identify right angles  I can compare angles  I can identify horizontal and vertical lines and pairs of perpendicular and parallel lines  Unit 15 - Statistics  I can interpret and present data using bar charts, pictograms and tables  I can solve one-step and two-step questions | | |
| Year 4 | **Unit 1 – Place Value 4 digit numbers (1)**  I can recognise the place value of each digit in a four‐digit number (1,000s, 100s, 10s, and 1s)  I can count in multiples of 6, 7, 9, 25 and 1,000  I can identify, represent and estimate numbers using different representations.  I can find 1,000 more or less than a given number  **Unit 2 – Place Value 4 digit numbers (2)**  I can identify, represent and estimate numbers using different representations.  I can recognise the place value of each digit in a four‐digit number (1,000s, 100s, 10s, and 1s)  I can order and compare numbers beyond 1,000  I can round any number to the nearest 10, 100 or 1,000  **Unit 3 – Addition and Subtraction**  I can add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.  I can estimate and use inverse operations to check answers to a calculation.  I can solve addition and subtraction two‐ step problems in contexts, deciding which operations and methods to use and why.  **Unit 4 –Area**  I can find the area of rectilinear shapes by counting squares.  I can estimate, compare and calculate different measures, including money in pounds and pence.  **Unit 5 – Multiplication and Division (1)**  I can recall multiplication and division facts for multiplication tables up to 12 × 12.  I can use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers. | | | | Unit 6 - Multiplication and Division  I can multiply 2 and 3 digit numbers by a 1 digit number.  I can divide 2 and 3-digit numbers.  I can use multiplication and division skills to solve problems.  Unit 7 - Length and Perimeter  I can measure in km and m.  I can calculate the perimeter of different shapes including rectilinear shapes.  I can find the missing lengths in rectilinear shapes and perimeter of polygons.  Unit 8 - Fractions 1  I can count beyond 1 and start to use mixed numbers, including partitioning mixed numbers.  I can convert mixed numbers to improper fractions and vice versa.  I can use equivalent fractions and equivalent fraction families.  Unit 9 - Fractions 2  I can add and subtract fractions and mixed numbers.  I can subtract from whole amounts.  I can work out a fraction of an amount.  Unit 10 - Decimals 1  I can understand and use tenths as fractions, decimals and on a place value grid.  I can divide 1 and 2-digit numbers by 10.  I can divide 1 and 2-digit numbers by 100. | | | Unit 11- Decimals (2)  I can recognize and write decimal equivalents of tenths or hundredths  I can compare numbers with the same number of decimal places  I can round decimals with one decimal place to the nearest whole number  I can recognise and write decimal equivalents to ¼, ½, ¾  Unit 12 - Money  I can estimate, compare and calculate using pounds and pence  I can write money using decimals  I can convert between pounds and pence  I can solve problems  Unit 13 - Time  I can covert between units of time  I can convert between analogue and digital times  I can convert to the 24 hour clock  I can solve problems using conversion  Unit 14 – Geometry: Angles and 2D shapes  I can identify acute and obtuse angles  I can compare and order angles  I can compare and classify geometric shapes  I can identify lines of symmetry in 2D shapes  I can complete a simple symmetric figure  Unit 15 - Statistics  I can interpret charts  I can solve problems using charts  I can interpret line graphs  I can draw line graphs  Unit 16 – Geometry: Position and Direction  I can describe position using coordinates  I can plot coordinates  I can draw 2D shapes on a grid  I can translate on a grid  I can describe translation | | |
| Year 5 | **Unit 1 - Place value within 1,000,000 (1)**  I can read Roman numerals to 1000 (M) and recognise years written in Roman numerals.  I can read, write, order and compare numbers to at least 1 000 000 and  I can determine the value of each digit  I can read and write 5‐ and 6‐digit numbers  I can count forwards or backwards in steps of powers of 10 for any given number  I can round any number up to 1,000,000 to the nearest 10, 100, 1,000, 10,000 and 100,000  **Unit 2 - Addition and subtraction**  I can add and subtract numbers mentally with increasingly large numbers  I can add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)  I can use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy  I can estimate and use inverse operations to check answers to a calculation  I can solve addition and subtraction multi‐ step problems in contexts, deciding which operations and methods to use and why  **Unit 3 - Multiplication and Division**  I can identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers  I can know and use the vocabulary of prime numbers, prime factors and composite (non‐prime) numbers  I can recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)  I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1000  **Unit 4 - Fractions**  I can identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths  I can recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example,2/5 + 4/5 = 6/5 = 1 1/5]  I can compare and order fractions whose denominators are all multiples of the same number  I can add and subtract fractions with the same denominator and denominators that are multiples of the same number  **Unit 6 – Fractions (2)**  I can add and subtract fractions with the same denominator and denominators that are multiples of the same number.  I can recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number. | | | | **Unit 7 - Multiplication and Division (2)**  I can multiply numbers up to 4 digits by a 1- or 2-digit number using a formal written method, including long multiplication for 2-digit numbers  I can multiply and divide numbers mentally drawing upon known facts  I can divide numbers up to 4 digits by a 1-digit number using the formal written method of short division and interpreting remainders appropriately for the context.    **Unit 8 – Fractions (3)**  I can multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.  I can recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number.    **Unit 9 – Percentages and Decimals**  I can read, write, order and compare numbers with up to three decimal places  I can read and write decimal numbers as fractions  I can recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents.  I can round decimals with two decimal places to the nearest whole number and to one decimal place.  I can 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.  I can solve problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5 , 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25.    **Unit 10 – Area and Perimeter**  I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.  I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.  I can calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes.  **Unit 11 – Statistics**  I can solve comparison, sum and difference problems using information presented in a line graph.  I can complete, read and interpret information in tables, including timetables  . | | | **Unit 12 –** Geometry: Properties of Shapes  I can recall that are measured in degrees  I can estimate and compare acute, obtuse and reflex angles.  I can identify angles at a point, one whole turn (total 360°), angles at a point on a straight line and 1 2 a turn (total 180°), other multiples of 90°  I can draw given angles, and measure them in degrees (°).  I can use the properties of rectangles to deduce related facts and find missing lengths and angles.  I can distinguish between regular and irregular polygons based on reasoning about equal sides and angles.  I can identify horizontal and vertical lines and pairs of perpendicular and parallel lines  I can identify 3D shapes, including cubes and other cuboids, from 2D representations.  **Unit 13 -** Geometry – Position and Direction  I can describe positions on a 2D grid as coordinates in the first quadrant.  I can plot specified points and draw sides to complete a given polygon  I can describe positions on a 2D grid as coordinates in the first quadrant.  I can identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know the shape has not changed.  **Unit 14 - Decimals**  I can solve problems involving number up to three decimal places.  I can read, write, order and compare numbers with up to three decimal places.  I can recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Solve problems involving number up to three decimal places  I can multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000. I can recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Solve problems involving number up to three decimal places  I can recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. Solve problems involving number up to three decimal places.  **Unit 15 -** Negative Numbers  I can understand negative numbers  I can count through zero  I can compare and order negative numbers  I can find the difference including through zero  **Unit 16 – Measure: Converting Units**  I can convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre).  I can understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.  I can solve problems involving converting between units of time.  I can use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.  Unit 17 - Measurement: Volume  I can estimate volume and capacity  I can compare volumes | | |
| Year 6 | Unit 1 - Place Value within 10,000,000  I can read, write, order and compare numbers up to 10 000 000 and determine the value of each digit  I can round any whole number to a required degree of accuracy  I can use negative numbers in context, and calculate intervals across zero  I can solve number and practical problems that involve all of the above.  Unit 2 - Four Operations (1)  I can add and subtract integers  I can solve multi-step problems in context  I can identify common factors  I can identify common multiples  I can recognise and use square cube numbers using the correct notation  Unit 3 - Four Operations (2)  I can multiply up to 4-digit numbers by 2-digit numbers  I can divide up to 4-digit number by a 2-digit number using formal written method  I can use both long and short division  I can calculate division problems with remainders  I can use knowledge of order of operation to carry out calculations  I can perform mental calculations with mixed operations  I can reason from known facts  Unit 4 – Fractions (1)  I can use common factors to simplify fractions; use common multiples to express fractions in the same denomination  I can compare and order fractions, including fractions > 1  I can add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions  I can multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams  I can use my knowledge of the order of operations to carry out calculations involving the four operations  I can multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, 1/4 × 1/2 = 1/8]  I can divide proper fractions by whole numbers [for example,1/3 ÷ 2 = 1/6 ].  I can use written division methods in cases where the answer has up to two decimal places  Unit 5 – Fractions (2)  I can multiply fractions by integers  I can multiply fractions by fractions  I can divide fractions by an integer  I can find fractions of an amount  Unit 6 – Measure: Imperial and Metric Measures  I can solve problems involving the calculation and conversion of units of measure, using decimal notation to three decimal places where appropriate  I can 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  I can convert between miles and kilometres  I can describe positions on the full coordinate grid (all four quadrants)  I can draw and translate simple shapes on the coordinate plane, and reflect them in the axes | | | | Unit 7 - Ratio and proportion  I can solve problems involving unequal sharing and grouping using knowledge of fractions and multiples  I can solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts  Unit 8 - Algebra  I can generate and describe linear number sequences  I can express missing number problems algebraically  I can use simple formulae  I can find pairs of numbers that satisfy an equation with two unknowns  Unit 9 - Decimals  I can identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places  I can solve problems which require answers to be rounded to specified degrees of accuracy  I can identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places  I can multiply one-digit numbers with up to two decimal places by whole numbers  I can use written division methods in cases where the answer has up to two decimal places  I can associate a fraction with division and calculate decimal fraction equivalents [for example, 0·375] for a simple fraction [for example, 3 8 ]  I can recall and use equivalences between simple fractions, decimals and percentages, including in different contexts  I can compare and order fractions, including fractions > 1  Unit 10 - Percentages  I can understand percentages  I can order percentages  I can find percentages of an amount  I can solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison  I can recall and use equivalences between simple fractions, decimals and percentages, including in different contexts  Unit 11 - Perimeter, Area and Volume  I can recognise that shapes with the same areas can have different perimeters and vice versa  I can calculate the area of parallelograms and triangles  I can recognise when it is possible to use formulae for area and volume of shapes  I can recognise that shapes with the same areas can have different perimeters and vice versa  I can 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 [for example, mm3 and km3 ] | | | Unit 13- Statistics  II can interpret and construct pie charts and line graphs and use these to solve problems.  I can Interpret and construct pie charts and line graphs and use these to solve problems.  I can solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.  I can interpret and construct pie charts and line graphs and use these to solve problems  I can calculate and interpret the mean as an average.    Unit 13- Geometry – Properties of Shapes  I can recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.  I can compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons.  I can Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.  I can recognise, describe and build simple 3D shapes, including making nets.  Unit 14- Geometry – Position and Direction  I can describe positions on the full coordinate grid  I can draw and translate simple shapes  I can reflect shapes in the axes  Unit 15 - Number : addition, subtraction, multiplication and division  I can use place value and number facts to solve problems  I can use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.  I can recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.  I can 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.  I can recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles. | | |