ST CHARLES' CATHOLIC PRIMARY SCHOOL

MATHS MEDIUM TERM PLANNING

	AUTUMN	SPRING	SUMMER
EYFS	**Just Like Me** **Number** • Match and Sort • Compare Amounts **Measure, Shape and Spatial Thinking** • Compare size, mass and capacity • Exploring pattern	**Alive in 5** **Number** • Introducing zero • Comparing numbers to 5 • Composition of 4 and 5. **Measure, Shape and Spatial Thinking** • Compare mass (2) • Compare capacity (2)	**To 20 and Beyond** **Number** • Building numbers beyond 10 • Counting patterns beyond 10. **Spatial Thinking** • Spatial Reasoning (1) • Match, rotate, manipulate
	It's Me 1 2 3! **Number** • Representing 1,2 and 3 • Comparing 1,2 and 3 • Composition of 1,2 and 3. **Measure, Shape and Spatial Thinking** • Circles and Triangles • Positional Language	**Growing 6 7 8** **Number** • 6,7 and 8 • Combining 2 amounts • Making pairs **Measure, Shape and Spatial Thinking** • Length and height • Time.	**First Then Now** **Number** • Adding more • Taking away **Spatial Thinking** • Spatial Reasoning (2) • Compose and decompose
	Light and Dark **Number** • Representing numbers to 5. • One more and less. **Measure, Shape and Spatial Thinking** • Shapes with 4 sides • Time.	**Building 9 and 10** **Number** • Counting to 9 and 10 • Comparing numbers to 10 • Bonds to 10. **Measure, Shape and Spatial Thinking** • 3D- shapes • Patterns	**Find my Pattern** **Number** • Doubling • Sharing and grouping • Even and odd **Spatial Thinking** • Spatial Reasoning (3) • Visualise and build.
			On the Move **Number** • Deepening understanding • Patterns and relationships **Spatial Thinking**

			• Spatial Reasoning (4) • Mapping
YEAR 1	**Number and Place Value (Within 10)** • Count to 10 forwards and backwards from any number • Identify one more and one less, given a starting number to 10 • Read and write numbers 1 to 10 in numbers and words (phonetically plausible) • Find and show numbers using objects and pictures including number lines and use: equal to, more than, less than (fewer), most, least • Read, write numbers to 10 in digits, numerals.	**Number and Place Value (Within 20, moving on to 50 later in the term)** • Count to 20 (50) forwards and backwards from any number • Identify one more and one less, given a starting number to 20 (50) • Read and write numbers 1 to 20 (50) in numbers and words (phonetically plausible) • Find and show numbers using objects and pictures including number lines and use: equal to, more than, less than (fewer), most, least • Read, write numbers to 20 (50) in digits, numerals. **Addition and Subtraction (Within 20)** • Use number bonds and matching subtraction facts to 20 • Add and subtract 1 digit and 2 digit numbers to 20, including zero • Tell how much different coins and notes are worth • Add and subtract coins to the value of 20p • Read, write and understand number statements using + - = • Answer problems that use addition and subtraction, including missing number problems, using objects and pictures	**Multiplication and Division** • Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher. **Number and Place Value (Within 100)** • Count to 100 forwards and backwards from any number • Identify one more and one less, given a starting number to 100 • Read and write numbers 1 to 100 in numbers and words (phonetically plausible) • Find and show numbers using objects and pictures including number lines and use: equal to, more than, less than (fewer), most, least • Read, write numbers to 100 in digits, numerals.
	Addition and Subtraction (Within 10) • Use number bonds and matching subtraction facts to 20 • Add and subtract 1 digit and 2 digit numbers to 20, including zero • Tell how much different coins and notes are worth • Add and subtract coins to the value of 20p • Read, write and understand number statements using + - = • Answer problems that use addition and subtraction, including missing number problems, using objects and pictures	**Number and Place Value (Within 100)** • Count to 100 forwards and backwards from any number • Identify one more and one less, given a starting number to 100 • Read and write numbers 1 to 20 in numbers and words (phonetically plausible) • Find and show numbers using objects and pictures including number lines and use: equal to, more than, less than (fewer), most, least • Read, write numbers to 100 in digits, numerals. • Count in jumps of 2, 5 and 10	**Fractions** • Find and name half (1/2) of an object, shape and amount • Find and name quarter (1/4) as one of four equal parts of an object, shape and amount
	Shape • Recognise and name common 2D shapes such as rectangles, squares, circles, triangles, pentagons,	**Measurement** • Compare, describe and solve practical problems for:	**Time** • Sequence events in chronological order using language [for example, before and after, next, first,

	hexagons •Sort 2D shapes • Recognise and name common 3D shapes such as cuboids, pyramids, spheres and cylinder •Sort 3D shapes	➢ lengths and heights [for example, long/short, longer/shorter, tall/short, double/half] ➢ mass/weight [for example, heavy/light, heavier than, lighter than] ➢ capacity and volume [for example, full/empty, more than, less than, half, half full, quarter] ➢ time [for example, quicker, slower, earlier, later] • Measure and begin to record the following: ➢ lengths and heights ➢ mass/weight ➢ capacity and volume ➢ time (hours, minutes, seconds) • Recognise and know the value of different denominations of coins and notes	today, yesterday, tomorrow, morning, afternoon and evening] • Recognise and use language relating to dates, including days of the week, weeks, months and years • Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.
YEAR 2	**Number and Place Value** • Find and show numbers using different equipment such as number lines and number squares • Read and write numbers to 100 in digits and words (spelt correctly) • Say 10 more/less than any number up to 100 • Find the place value of each digit of a number with tens and units • Use place value and number facts to answer questions • Compare amounts using these signs < > = • Compare and order numbers from 0 to 100 using < > = • Derive and use related facts to 100 e.g 90+10 70+30 100-20=80 100-40=60 45+55 35+65 100- 55=45 100-75=25	**Money** • Use the £ and p signs • Use notes and coins to make particular amounts • Find different ways for coins to add up to an amount • Add and subtract money and give change	**Fractions** • Find, name and write fractions of a length, shape, set of objects or amount, including 1/3, 1/4, 2/4, and 3/4 • Write and recognise equivalence of simple fractions (1/2s and 1/4s)
	Addition and Subtraction • Recall and use addition and subtraction facts to 20 • Add and subtract a 2 digit number and tens mentally and when using objects, number lines and pictures • Add and subtract two 2 digit numbers mentally and when using objects, number lines and pictures • Add and subtract three 1 digit numbers mentally and when using objects, number lines and pictures • Show that adding 2 numbers can be done in any order but subtraction can not • Show that subtraction is the opposite of addition and use this to check my work	**Multiplication and Division** • Remember and use multiplication and division facts for the 2,5 and 10 times tables and recognise odd and even numbers • Count forward and backwards in jumps of 3 from zero • Answer questions involving multiplication and division mentally and with objects • Show that multiplying 2 numbers can be done in any order but division cannot (commutative) • Answer multiplication and division problems within the tables using X / =	**Time** • Compare and sequence intervals of time • Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times • Know the number of minutes in an hour and the number of hours in a day.

	• Solve problems with addition and subtraction including those involving numbers,	• Derive and use halves (even numbers) and derive and use doubles of simple 2 digit numbers	
	Properties of Shape • Notice and explain the properties of 2D shapes e.g the number of sides and lines of symmetry (Y1 shapes plus octagon and quadrilaterals both regular and irregular) • Recognise right angles • Draw and/or construct 2D and 3D shapes • Compare and sort common 2D and 3D shapes and everyday objects (1 criteria for 1 or 2, more than 1 criteria for 3) • Notice and explain the properties of 3-D shapes e.g. the number of edges, vertices and faces (Y1 plus cones, prism, pyramid), • Spot 2-D shapes on the surface of 3-D shapes such as a circle on a cylinder and a triangle on a pyramid	**Measurement – Length, mass and capacity** • Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels • Compare and order lengths, mass, volume/capacity and record the results using >, < and =	**Statistics** • Read and draw simple pictograms, tally charts, block diagrams and simple tables • Ask and answer questions about totalling and comparing grouped data
			Position and Direction • Order mathematical objects in patterns and sequences • Use mathematical vocabulary to describe position, direction and movement. This could include movement in a straight line (e.g. right, left, forward, backward, turn, clock wise, anti-clock wise)
YEAR 3	**Number and Place Value** • Read and write numbers to 1000 in numerals / digits and words • Find, show and estimate numbers using objects and pictures • Find 10 or 100 more or less than a given number • Recognise the place value of each digit of a number with hundreds, tens and units • Compare and order numbers up to 1000 • Round numbers to the nearest 10/100 up to 1000.	**Multiplication and Division (B)** • Recall and use multiplication and division facts for the 3, 4 and 8 times tables • Derive and use doubles of all numbers up to 100 and their corresponding halves. • Calculate multiplication and division problems, both mentally and in writing, using the times tables, including two digit numbers times one digit numbers • Multiply 2 digit by 1 digit • Solve problems, including missing number problems, involving multiplication and division, including factors and correspondence.	**Fractions (B)** • Count up and down in tenths; recognise that tenths arise from dividing an object 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 • Recognise and show, using diagrams, equivalent fractions with small denominators • Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7] • Compare and order unit fractions, and fractions with the same denominators • Solve problems that involve all of the above.

	Addition and Subtraction • Add and subtract numbers in my head, including a three digit number and ones • Add and subtract numbers in my head, including a three digit number and tens • Add and subtract numbers in my head, including a three digit number and hundreds • Add and subtract numbers with up to three digits using formal column methods • Estimate the answer to a calculation and use this and inverse operations to check answers • Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction • Add and subtract money giving change, using pounds and pence. I can do this with real coins and notes.	**Measurement – Length and Perimeter** • Measure, compare, add and subtract: lengths (m/cm/mm) • Measure the perimeter of simple 2-D shapes	**Measurement – Time and Money** • Add and subtract amounts of money to give change, using both £ and p in practical contexts • 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 and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight • 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].
	Multiplication and Division (A) • Recall and use multiplication and division facts for the 3, 4 and 8 times tables • Derive and use doubles of all numbers up to 100 and their corresponding halves. • Calculate multiplication and division problems, both mentally and in writing, using the times tables, including two digit numbers times one digit numbers • Multiply 2 digit by 1 digit • Solve problems, including missing number problems, involving multiplication and division, including factors and correspondence.	**Fractions (A)** • Count up and down in tenths; recognise that tenths arise from dividing an object 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 • Recognise and show, using diagrams, equivalent fractions with small denominators • Add and subtract fractions with the same denominator within one whole [for example, 5/7 + 1/7 = 6/7] • Compare and order unit fractions, and fractions with the same denominators • Solve problems that involve all of the above.	**Properties of Shape** • Draw 2D shapes and make 3D shapes with modelling materials • Recognise 3D shapes in different orientations and describe them • Recognise angles as properties of shape. I know that angles are a description of a turn • Spot horizontal and vertical lines and pairs of perpendicular and parallel lines
		Measurement – Mass and Capacity • Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml)	**Statistics** • Interpret and present data using bar charts, pictograms and tables • Solve one-step and two-step questions e.g. "How many more?" and "How many fewer?" e.g. using information presented in scaled bar charts, pictograms and tables

			• Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time charts
YEAR 4	**Number and Place Value** • Recognise the place value of each digit of a 4 digit number (thousands, hundreds, tens and units) • Recognise the place value of any 4 digit number. • Find 1000 more or less than a given number • Order and compare numbers up to 100,000. • Round numbers to the nearest 10, 100 or 1000	**Multiplication and Division (B)** • Recall times tables facts up to 12x12 9multiplication & division) • Use place value and number facts to multiply and divide mentally, including multiplying by 1 and 0; dividing by 1; and multiplying together 3 numbers • Divide one and two digit numbers by 10 and 100 and can explain the effect this has on place value • Recognise and use factor pairs and commutativity in mental calculations	**Decimals (B)** • To make a whole • To write decimal numbers. • To order and compare decimals.
	Addition and Subtraction • Add and subtract numbers with up to four digits using formal column methods • Use estimating and inverse operations to check my answers • Solve two step addition and subtraction problems using different methods and explain why I used them	**Measurement: Length and Perimeter** • Convert between different units of measure [for example, kilometre to metre; hour to minute] • Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	**Measurement: Time and Money** • Estimate, compare and calculate different measures, including money in pounds and pence • Read, write and convert time between analogue and digital 12- and 24-hour clocks • Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.
	Measurement: Area • Find the area of rectilinear shapes by counting squares	**Fractions Including Decimals** • Recognise and show, using diagrams, families of common equivalent fractions • Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. • 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 • Add and subtract fractions with the same denominator • Recognise and write decimal equivalents of any number of tenths or hundredths • Recognise and write decimal equivalents to 4 1 , 2 1 , 4 3 • Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths	**Position and Direction** • Describe positions on a 2-D grid as coordinates in the first quadrant • Describe movements between positions as translations of a given unit to the left/right and up/down • Plot specified points and draw sides to complete a given polygon.

		• Round decimals with one decimal place to the nearest whole number • Compare numbers with the same number of decimal places up to two decimal places • Solve simple measure and money problems involving fractions and decimals to two decimal places.	
	Multiplication and Division (A) • Recall times tables facts up to 12x12 9multiplication & division) • Use place value and number facts to multiply and divide mentally, including multiplying by 1 and 0; dividing by 1; and multiplying together 3 numbers • Divide one and two digit numbers by 10 and 100 and can explain the effect this has on place value • Recognise and use factor pairs and commutativity in mental calculations	**Decimals (A)** • Use place value to tenths and hundredths. To look at tenths and hundredths on a number line and a place value grid. • To divide 1 and 2 digits by 10 and 100.	**Properties of Shape** • Identify acute and obtuse angles. I can compare and order angles up to two right angles by size • 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 • Use line symmetry with two lines of symmetry
			Statistics • Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. • Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.
YEAR 5	**Number and Place Value** • Count forwards/backwards in steps of powers of 10 for any given number up to 1,000,000. • Keep multiplying a number by 10 or 100 up to 1,000,000 and count back • Recognise the place value of any number up to 1,000,000. • Read, write, order and compare numbers to at least 1,000,000 (one million) and say the value of each digit • Round numbers up to 1,000,000 to the nearest 10, 100, 1000, 10,000 or 100,000 • Solve number and practical problems that involve ordering and comparing numbers to 1 000 000, counting forwards or backwards in steps, negative numbers and rounding	**Multiplication and Division (B)** • Multiply and divide whole and decimal numbers by 10, 100 and 1000 • Find multiples and factors of a number and can identify factors common to 2 different numbers • Recall prime numbers up to 19. • Use vocabulary relating to prime numbers, prime factors and composite numbers • Work out if any given number up to 100 is a prime number • Identify and use square and cube numbers and their notations • Solve problems involving multiplication and division including using factors and multiples, squares and cubes • Use known tables to derive other number facts.	**Properties of Shape** • Tell the difference between regular and irregular polygons. I can do this using reasoning about equal sides and angles • Use sorting diagrams to solve problems. • Identify 3-D shapes, including cubes and other cuboids, 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 (o) • Identify: ➢ angles at a point and one whole turn (total 360o) ➢ angles at a point on a straight line and 2 1 a turn (total 180o) ➢ other multiples of 90o

		• Multiply numbers with up to 4 digits by a one or two digit number using formal written methods (including long multiplication for 2 digit numbers) 29 Solve two step word problems involving all 4 operations	
	Addition and Subtraction • Add and subtract 2 and 3 digit numbers in my head • Add and subtract numbers with up to 4 digits using formal written methods • Use rounding to check answers to calculations and determine levels of accuracy • Solve addition and subtraction problems needing more than one step and can work out which operation and method is the most suitable • Solve word problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign • Solve two step word problems involving all 4 operations	**Fractions (B)** • Compare and order fractions whose denominators are all multiples of the same number • Find, name and write equivalent fractions of a given fraction including tenths and hundredths • Identify mixed numbers and improper fractions and convert from one to another such as 2/5 + 4/5 = 6/5 = 1 1/6 • Add and subtract fractions whose denominators are all multiples of the same number • Multiply fractions by whole numbers using objects and pictures	**Position and Direction** • 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.

	Multiplication and Division (A)
	• Multiply and divide whole and decimal numbers by 10, 100 and 1000
	• Find multiples and factors of a number and can identify factors common to 2 different numbers
	• Recall prime numbers up to 19.
	• Use vocabulary relating to prime numbers, prime factors and composite numbers
	• Work out if any given number up to 100 is a prime number
	• Identify and use square and cube numbers and their notations
	• Solve problems involving multiplication and division including using factors and multiples, squares and cubes
	• Use known tables to derive other number facts.
	• Multiply numbers with up to 4 digits by a one or two digit number using formal written methods (including long multiplication for 2 digit numbers) 29 Solve two step word problems involving all 4 operations
		Decimals and Percentages
		• To write decimals as fractions.
		• To order and compare decimals
		• To understand thousandths and thousandths as decimals.
		• To round decimals.
		• To understand percentages and write percentages as fractions and decimals.
			Decimals
			• Adding and subtracting:
			  • decimals within 1.
			  • decimals crossing the whole
			  • with the same number of decimal places
			  • with a different number of decimal places
			• Adding and subtracting wholes and decimals.
			• Multiplying and dividing decimals by 10, 100 and 1,000.
			• To work with decimal sequences.

	Fractions (A)	**Measurement**	**Negative Numbers**

	• Compare and order fractions whose denominators are all multiples of the same number • Find, name and write equivalent fractions of a given fraction including tenths and hundredths • Identify mixed numbers and improper fractions and convert from one to another such as 2/5 + 4/5 = 6/5 = 1 1/6 • Add and subtract fractions whose denominators are all multiples of the same number • Multiply fractions by whole numbers using objects and pictures	• Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints • Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres • 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 • Estimate volume [for example, using 1 cm3 blocks to build cuboids (including cubes)] and capacity [for example, using water] • Solve problems involving converting between units of time • Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.	• To interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero.

		Statistics
		• Solve comparison, sum and difference problems using information presented in a line graph
		• Complete, read and interpret information in tables, including timetables.
			Converting Units
			• To convert:
			  • kilograms and kilometres
			  • millimetres and millilitres
			• Converting units of time.
			• To work with metric and imperial units.

			Measurement: Volume • To find out what volume is. • To compare volume. • To estimate volume and capacity.
YEAR 6	**Number and Place Value** • Read, write, order and compare numbers to at least 10,000,000 (ten million) and say the value of each digit • Round any whole number to 10, 100, 1,000,10,000, and 100,000 • Fluently add and subtract decimal numbers and round when required to specified degree of accuracy. • Solve problems and reason about place value and number. • Use understanding of place value to multiply and divide whole numbers and decimals with up to 3 decimal places by 10, 100 and 1,000.	**Ratio and Proportion** • Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts • Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison • Solve problems involving similar shapes where the scale factor is known or can be found • Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.	**Properties of Shape** • Draw 2-D shapes using given dimensions and angles • Recognise, describe and build simple 3-D shapes, including making nets • Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons • Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius • Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.

	• Explain the place value of any digit in a number with up to 3 decimal places and multiply or divide these by 10, 100 or 1000		
	Addition and Subtraction • Add and subtract mentally with increasingly large numbers. • Add and subtract whole numbers with more than 4 digits, using formal written methods • Fluently add and subtract decimal numbers and round when required to specified degree of accuracy. • Solve word and practical problems with more than one step and operation and explain why I used them • Use estimation to check answers to calculations and determine an appropriate degree of accuracy.	**Algebra** • Use simple formulae • Create and describe linear number sequences • Record missing number problems algebraically • Find pairs of numbers which complete an equation with two unknowns • Create a list of possibilities of the combination of two variables	**Position and Direction** • Describe positions in all four quadrants on a full coordinate graph • Draw and translate simple shapes on the co-ordinate plane in all 4 quadrants. • Use reasoning to solve problems related to co-ordinates, reflections and translations.
	Multiplication and Division • Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication • Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context • Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context • Perform mental calculations, including with mixed operations and large numbers • Identify common factors, common multiples and prime numbers • Use their knowledge of the order of operations to carry out calculations involving the four operations	**Decimals** • To work with decimal numbers to 3 decimal places. • Multiplying and dividing decimal numbers by 10, 100 and 1,000. • To multiply and divide decimals by integers. • To change fractions to decimals and decimals to fractions.	**Themed Projects, Consolidation and Problem Solving.**
	Fractions • Use common factors to simplify fractions; use common multiples to express fractions in the same denomination • Compare and order fractions, including fractions > 1 • Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions	**Fractions, Decimals and Percentages** • To convert between fractions, decimals and percentages.	

	• Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, 1/4 × 1/2 = 1/8] • Divide proper fractions by whole numbers [for example, 1/3 ÷ 2 = 1/6] • Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, 3/8] • 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 • Multiply one-digit numbers with up to two decimal places by whole numbers • Use written division methods in cases where the answer has up to two decimal places • Solve problems which require answers to be rounded to specified degrees of accuracy • Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.		
	Converting Units • Converting metric measures. • Calculate with metric measures. • Miles and kilometres. • Imperial measures.	**Measurement, including Area, Perimeter and Volume.** • Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate • 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 • Convert between miles and kilometres • Recognise that shapes with the same areas can have different perimeters and vice versa • Recognise when it is possible to use formulae for area and volume of shapes • Calculate the area of parallelograms and triangles • 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].	

		Statistics • Present, complete, read and interpret information in tables, bar charts and sorting diagrams • Interpret and construct pie charts and line graphs. I can use these to solve problems • Calculate and interpret the mean as an average	