Lowbrook Academy **Maths Long Term Plan**

Year	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
EY1	Baselines Counting, matching one to one, recognising numbers (F) Counting, matching numerals to quantities, ordering numbers (F) Describe and name 2D shapes position (R) Repeating patterns (F) Science Week Counting and adding Say the next number Read the addition (PS) Addition; Partition Read the corresponding addition (F) Count fixed objects and actions, count back, match numbers (R)	Compare lengths, measure using non-standard units (R) Compare heights, use non-standard Units, compare numbers (R) Describe 3D shapes; use them to print and make models (PS) Recognise £1 and £2 coins, compare prices, use in role play (PS) Days of the week, count actions in a minute (F) Days of the week, count actions in a minute (F) Recite to 100, Count 20 objects, Order numbers, count back (F) Estimate; count objects, actions and sounds. Order numbers (PS)	2D shape; Sorting (R) Addition; find one and two more (PS) Repeating and symmetrical patterns (R) ***Maths Week*** ***Pairs with a total of 10 (F)*** ***Financial Literacy*** ***Profit*** Find 1 and 2 more; begin to record the numbers in a set (R) Compare weights, measure using non-standard units (PS)	Sort, describe and name 3D shapes (R) Book Week Count back from 20, read and compare numbers to 20 (F) Recognise coins to 10p, know values; solve practical problems (PS) Time: key times of day; begin to know months of the year (F) Count in 1s and 10s to 100; Count at least 20 objects (F) Add 1,2 or 3 to any number to 20 by counting on (F)	2D shape and sorting (R) Pairs with a total of 6 or 7; Doubles to double 5 (F) Continue and create repeating patterns; Count in 2s (PS) Find one more/one less; Subtract two by counting back (F) Record numbers to 20; Count on or back 2 or 3 (F)	Capacity (PS) Recite, read and begin to record numbers to 20, then100 (F) ***Sports Week*** ***Recognise, describe and sort 3D shapes; Follow directions*** ***(PS)*** Recognise all coins; Solve simple problems (PS) Time: minutes and days of the week (F) Take part in Maths trials created by older pupils (PS) Make up simple outdoors Maths games (PS)

Lowbrook Academy **Maths Long Term Plan**

Year 1	Read and write numbers up to 30. Count on/back from a given number up to 30. (F) Find one more and one less than a number up to 30. (F) Apply this understanding to solving word problems. (PS) Sequence numbers counting in 2s, 5s and 10s. Practise counting backwards in 2s, 5s and 10s and writing these sequences correctly. (F) Apply this knowledge to word problems. (PS) Explore number bonds to 10. Use this understanding to write number sentences to show number bonds to 10. (F) Use the correct method of counting on to add two single digit numbers together. (F) Apply this understanding	Read and write numbers up to 40. (F) Recall the double of numbers up to 10. (F) Find and recall half of numbers up to 20. (F) Use cubes and blocks to find the length of an object. (R) Use a ruler to compare height and length. (R) Use correct vocabulary to describe the weight of an object. Explore and compare the weight of different classroom objects using scales. Understand what balanced scales represent. (R) Explore capacity of a range of containers. Understand the difference between capacity and volume in relation to liquid. (R) Measure capacity and volume using a scale. (F) Name and order the days	Recognise a range of 2D shapes. Describe properties of 2D shapes. (F/R) Sequence numbers to 50 in order and recognize numbers which are greater than or less than a given number. (F) Count on to add a two digit number and a one digit number and write this in number sentences. Complete a range of addition number problems including missing numbers. (F) ***Maths Week*** ***Create and interpret Venn Diagrams (PS)*** ***Financial Literacy*** ***Profit and Loss (R)*** Count backwards to solve subtraction number problems taking a one digit number from a two digit number. Complete a range of subtraction number problems including	Read and write numbers up to 100. (F) Explore number bonds to 20. Use this understanding to write number sentences to show number bonds to 20. (F) Explore a range of ways to present data such as pictograms and venn diagrams. (R) Use knowledge of counting in 5s and 10s to divide by 5 and 10. (F) Use arrays to multiply numbers. Solve multiplication number problems. (F) Apply understanding of multiplication and arrays to solve multiplication word problems. (PS)	Read and write the time on an analogue and digital clock to half past, quarter past and quarter to the hour. (F) Find and recall a quarter of shapes and of numbers to 40. (F) Recognise and name 2D and 3D shapes. Recognise and represent half of a shape. (F) Use RUCSAC method to identify the operation required to solve a word problem and use understanding of number to solve. (PS) Use RUCSAC method to identify the operation required to solve a word problem and use understanding of number to solve. (PS) Use knowledge of counting in 2s, 5s and 10s to solve multiplication problems using the correct method including missing number	Recognise properties of 2D and 3D shapes. Rotate a 2D shape by making quarter turns. (F) Recognise the value of coins. Use knowledge of coin value to add money together to reach a target sum, identifying the correct coins to use. (F) ***Sports Week*** ***Collect, read, record and present information using Tally marks; (PS)*** Consolidate multiplication and division and writing these in number sentences accurately. (F)

	to word problems. (PS) Use the correct method of counting back to subtract a single digit number from another number. (F) Apply this understanding to word problems. (PS)	of the week and the months of the year. Identify key events and features of each month including seasons and holidays. (F)	missing numbers. (F) Recall doubles of numbers up to 20 and write these as number sentences. Identify and recall half of an amount to 30 and write these as number sentences. (F)		problems. (F)	
Year 2	Recognising place value of each number in 2 digit numbers. Partitioning 2 digit numbers. Comparing and ordering numbers from 0 to 100. Reading and beginning to write number to 100 in numerals and words. (F) Recall and use addition and subtraction facts to 20 and derive related facts. (F) Adding and subtracting 1 and 2 digit numbers using hundred squares. Adding and subtracting multiples of 10 to 2 digit numbers using hundred squares. (F) Addition and subtraction word problems (PS)	Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value and give change. Application to real life context. (R) Describe and recognise regular and irregular common 2D shapes and their properties. (R) Recognise, name and write fractions of 2D shapes. (F) Describe properties of 3D shapes including number of edges, faces and vertices. (R) Recap - Recognise the place value of each digit in a two-digit number (tens, ones). Introduction	Place value of 2 and 3 digit numbers. Column addition with adding 2 and 3 digit numbers. (F) Introduce vertical column subtraction using 2 and 3 digit numbers. (F) Solve 2 digit addition and subtraction word problems. (PS) Recap fractions of a shape. Moving onto calculating fractions of an amount including ¼, ½, ¾, 1/3 (F) Using understanding of the inverse for all 4 operations, calculate missing number problems. (R & PS) ***Maths Week Collecting, recording and***	Accurately measure length and height using centimetres. (F) Accurately measuring the weight of objects in grams and kilograms using scales. Comparing and ordering weight. (R) Identifying key words in word problems and using the appropriate operation to solve accurately. (PS) Consolidate methods such as vertical column. (F) Identifying reflective symmetry in patterns and 2D shapes. Draw draw lines of symmetry. (R) Creating tally charts and	Solving division problems by sharing. (PS) One step division and multiplication word problems. (PS) Reading scales in divisions of 2s, 5s and 10s. (F) Consolidation of inverse operations using addition, subtraction, multiplication and division. (F) Consolidate, extend and apply use of symbols for pounds (£) and pence (p); combine amounts to make a particular value and give change. Application to real life context. (R & PS)	Estimating, measuring and comparing lengths, weights and capacities. (R) Doubling and halving. (F) Consolidate calculating fractions of an amount including ¼, ½, ¾, 1/3. (F) Consolidate solving multiplication and division word problems. (PS) Consolidate reading scales in divisions of 2s, 5s and 10s.(F) ***Sports Week: Creating bar charts using data collected using tallies from the class' favourite sports.***

	Recognise and use the inverse relationship between addition and subtraction and complete missing number calculations. (F & R) Recognise and use the inverse relationship between multiplication and division in calculations. (F & R) Tell and write the time half past and quarter past/to the hour and draw the hands on a clock face to show these times. (F)	of vertical addition using column method with 1 and 2 digit numbers. (F) Applying mathematical skills to reasoning and solving one step problems. (PS)	***representing data in block graphs and pictograms to show results. (R)*** ***(Maths Week)*** ***Financial Literacy*** ***Profit and Loss*** ***(R)*** **Times Tables expected to be achieved by end of T3:** 2s, 5s, 10s.	using this data in bar charts (R) Telling and write the time half past and quarter past/to the hour, and to the nearest 5 minutes. (F)	Consolidate 2 step word problems, including word problems with money. (PS) Consolidate place value of 2 and 3 digit numbers. (F)	
Year 3	Recognise the place value in 2 and 3 digit numbers; Partition 2 digit numbers Order and compare numbers to 100. Find 1, 10, 100 more or less (F) read and write numbers up to 1000 in numerals and in words Use mental methods for addition and subtraction; Solve 1 step word	Add and subtract mentally a 3 digit number and 1s, solve missing number problems, add mentally a 3 digit number and 10s and 100s. Solve word problems – (R). Find right angles in 2 D shape. Make and describe right-angled turns. Recognise whether angles are greater than or less than a right angle. (R)	Recognise place value of each digit in a 3 digit number. Compare and order numbers up to 1000. (F) Estimate numbers using money. Add and subtract amounts of money and find change. Solve word problems involving money. (PB) Draw and name 2D/3D shape describing the	Measure and compare lengths in m, cm and mm. Add and subtract length using mixed units. (F) Pie charts and bar charts – book week (PS) Estimate and add 3 digit numbers using the formal written method of column addition. (F) Add mentally and use inverse to check	Count on and back in steps of 50 and 100 (F) Consolidate recall of multiplication facts for times tables and related facts for multiples of 10. (F) Multiply 3 digit by 1 digit numbers mentally, progressing to column method (F) Solve problems	Add and subtract 3 digit numbers using formal written method of column addition. (F) Adding and Subtraction of money. Solve word problems. (PS) Recognise horizontal, vertical perpendicular and parallel lines. Describe the properties of 2 and 3 D shape. Build nets. (PS)

	problems (PS) Recognise, name, sort and describe 3D shapes. Identify and reflect lines of symmetry in 2D shapes. (R) Recall multiplication and division facts for 2 5, 10, 9 and 3 times table; Solving problems using multiples. (R) 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 (R) Recognise and show using diagrams, families of equivalent fractions Find fractions of a set of objects. Solve fraction problems. Add and subtract fractions with the same denominator. (PS)	Count in multiples of 4 and 8. Use doubling. Write multiplication statement that matches a division statement. (F) Estimate and read time with increasing accuracy to the nearest minute. Tell and write the time with Roman numerals and on a 24 hour clock. 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]. (F) Read information on bar charts, pictograms, tables and other graphs. (R)	properties. (R) Make 3-D shapes using modelling materials (PS) ***Maths Week*** ***Create a line graph (R)*** ***Financial Literacy*** ***Profit and Loss*** Count in multiples of 2, 4 and 8 recognising halving patterns. (F) Formal methods of multiplication. Solve word problems. (PS) Recognise, find and write unit fractions of a set of objects. (F) Investigate non-unit fractions. Ordering fractions and fractions with the same denominator. Write fractions on a number line. (F)	calculation. (F) Estimate and subtract 3 digit numbers using the formal written method of column subtraction. Subtract mentally and use inverse to check calculation. (F) Solve word problems involving money. (PS) Interpret and present data using tally tables, charts, pictograms. Interpret and present data in bar charts with intervals in multiples of 2. (R) Use information in pictograms, bar charts and tables to answer one and two step questions. (R)	(PS) Compare and order fractions with the same denominator. Subtract fractions within one whole. Recognise equivalent fractions (R) Calculate and draw the perimeter of rectangles and other 2D shapes in cm and m. (R) Order and compare numbers up to 1000 (F, R) Partition 3 digit numbers and solve number problems (F, PS)	Use partitioning to solve 2 digit by 1 digit problems. (F) Measure, compare, add and subtract volume/capacity (l/ml). (F) Solve problems related to fractions, measurement, volume and capacity. (PS) Roman Numerals competency (F) ***Sports Week: Creating line graphs with own data i.e. distances recorded from javelin throws.***

Lowbrook Academy **Maths Long Term Plan**

	Know how many grams are equal to ½, ¼, ¾ of 1 kg. Read scales marked in kg and in g. compare masses and multiples of mass in kg and g. Add and subtract mass in kg and g. (R) **Competency: Time Facts**	Solve comparison, sum and difference problems using information (PS) **Competency: 2D Shapes**	**Competency: 3D Shapes**	**Competency: Fractions of Amounts**	**Competency: Equivalent Fractions**	**Competency: Roman Numerals**
Year 4	Place value in 4 digit number; Order and compare numbers; Find 1000 more or less – (F) Use mental methods for addition and subtraction. Solve 1 step word problems; Solve 2-step word problems (F) (R) (PS) Reflective symmetry. (F) (R) Recall multiplication and division facts for 6, 7, 9 and 12 times tables and related division facts. (F) Square number and factors. (F)	Using column method for addition and subtraction; Solve word problems (F) (R) (PS) Decimal place value and rounding to 1dp. (F) (R) Time – analogue and digital clocks. Converting units of time; Using 12-hour clocks; Using 24-hour clocks (R) Recording mass using decimal notation and standard weight; using estimates to help calculation. (F) (R) Multiplication using partitioning and the grid	Ordering numbers beyond 1000; solving place value problems; Rounding to 10,100 and 1000 (F) (R) (PS) Negative numbers (F) Use mental and formal methods for subtraction 4 digits; Estimate and use inverse operations to check answers; Solve 2 step problems in contexts (F) (R) (PS) Acute and obtuse angles; Compare and order angles in regular and irregular polygons (F) (R) ***(Maths Week)***	Converting measurement and problem solving using measurement and time. (F) (PS) Estimate and calculating measures of length to 1 decimal place. (R) (F) Reading train and bus timetables (R) (PS) Adding and Subtracting mentally; 2-step addition and subtraction problems. (F) (PS) Estimate and use inverse operations to check answers; (R) Interpret and present discrete data using	Multiply HTOxO using grid method and column method; (F) Solve 2 step problems (PS) Understand the place value of tenths and hundredths; Compare numbers with 2 decimals places; (R) (F) Divide 1 and 2 digit numbers by 10 and 100 (F) Find the area of rectangles by counting squares and by multiplication. (F) (PS) Order and compare	Use coordinates to describe the position of a point on a grid; Plot specified points and join them to make 2 d shapes (F) Solve simple measure and money problems involving fractions. (R) (PS) Recognise and write decimal equivalents of any number of tenths and Hundredths; (F) Recognise and write decimal equivalents to ¼, ½, ¾; (F) Problem solve using fractions to calculate quantities fractions to divide quantities. (F) (PS)

Lowbrook Academy **Maths Long Term Plan**

	Solving problems using multiples. (R) (PS) Equivalent fractions. (F) Translating and co-ordinates. (R) Converting measures. (R) Read and write Roman Numerals to 100 (F) **Competencies** Roman Numerals 2D shapes (F)	method; practise mental multiplication Solve problems involving multiplying and adding. (F) (R) (PS) Divide numbers by single digits using short division with exact answers. Use inverse operations to check answers. (F) (R) Converting time: 12 and 24 hour clocks. Changing times in context. (R) Use bar charts to present discrete data; (R) **Competencies** Roman Numerals 2D & 3D shapes (F)	***Introduction to excel spreadsheets and financial planning. Exploring formatting of cells and familiarisation of program. Creating pictograms using scale on Purple Mash. (Computing) (R)*** ***Financial Literacy Profit and Loss*** Count in multiples of 25,100 and 1000; Multiply and Divide 2 digit by one digit numbers to solve problems. (F) (R) (PS) Place mixed numbers on a number line; Solve fraction problems (F) (R) (PS) **Competencies** Angles Measurement conversions (F)	simple line graphs and scaled bar charts. Using graphs to problem solving (R) (PS) Measure and calculate the perimeter of rectangles using basic algebra. (R) (F) Count backwards through 0 to include negative numbers (F) Add and subtract fractions with the same denominator. Problem solving using fractions (F) (R) (PS) **Times Table test** 1. Time facts	numbers beyond 1000; Round any number to the nearest 10, 100 and 1000. (F) Use properties and sizes to compare and classify triangles, parallelograms, rhombuses, trapezium and kites (R) Use factors and multiples to recognize equivalent fractions and simplify fractions; (F) (R) **Competencies** Equivalent fractions 3D shapes (F)	(R) ***Sports Week – Recording times and distances and comparing to famous athletes*** **(PS) (R)** **Revise** Place Value – compare and order numbers up to 1000 **Revise** times table knowledge up to 12 **Revise** and problem solve using fractions **Revise** the 4 operations – mental and written methods **Competencies** Revise Roman numerals up to 20 (F)

Lowbrook Academy **Maths Long Term Plan**

Year 5	Read, write and order numbers up to 1,000,000. Round numbers to the nearest 10, 100, 1000. Count forwards and backward in powers of 10 in numbers up to 1,000,000 (F) Square Numbers 1- 20 (F) Recognise Roman Numerals up to 1000(F) Order and compare negative numbers. Mentally, add, subtract, multiply and divide with increasingly large numbers and decimals. Solve word problems. (PS) Round and order decimals up to 3 decimal places. (F) Add and Subtract 4 digit numbers. (F) Properties of 2D shapes. (R) Multiply and divide numbers mentally. Multiply and divide numbers by 10, 100,	Multiply numbers up to four digits by one or two digit number. Multiples and factors. Times tables and division facts – (F) Read and write decimal numbers as fractions. Mentally add and subtract decimals - fluency Counting in fractions comparing to decimals – (F) Compare and order fractions. (F) Recognise percentages as proportions of quantities (R) Area and perimeter. Use the properties of rectangles to deduce related facts and find missing lengths and angles (algebra) (R) Recognise consolidate discuss properties of 2D shapes (R) Reflections and translations (R)	Complete, interpret and read graphs and tables (R) Short division and long multiplication and applying these skills to real life contexts – (PS & R). Inverse operations and algebraic reasoning. Sequences, negative numbers in a context. Square, prime and cube numbers – fluency. Using and applying – (R) LCM and HCF. Use LCM to find equivalent fraction and HCF to simplify fractions. (R) ***(Maths Week) Interpret data from scatter and line graphs and draw graphs relating two variables arising from their own enquiry (R).*** ***Financial Literacy Profit and Loss*** Consolidate and apply in context 2D shape properties. Regular and	Conversions of units (Metric) using all four operations to solve problems involving measure of length, mass and volume. (PS and R) Estimate volume and capacity. (R) Money using decimal notation including scaling. (R) Solving problems involving converting units of time. (PS) Measure and calculate the perimeter/Area – Excel Spreadsheets - fluency. Application to real life situations – (R) Use thousandths and relate to tenths, hundredths and decimal equivalents – (F) Order and compare numbers with up to 3 decimal places and apply to problems, round decimals with 2 decimal places to the nearest	Introduction to ratio. Simplifying ratios. Ratio dividing. (R) Introduction to proportion – (R). Counting backwards across zero – fluency. Negative numbers in a context – reasoning. (F) Two step problems, division and multiplication in a context (PS) Place value up to 10,000,000. Reading and writing large numbers. Consolidating rounding numbers, including decimals to any degree of accuracy – (F) Fractions of amounts and shapes. Simplifying fractions. Equivalent fractions. Fractions to decimals and vice versa. – (F&R) Recognise mixed numbers and improper fractions and convert	Problem solving Number and calculations (four operations) (PS and R) Multiply fractions (F) Use rounding to check answers to calculations and determine in the context of a problem levels of accuracy (R) Interpret and analyse data over time using a line graph (R). Solve problems which require knowing percentage and decimal equivalence (PS) Consolidating knowledge of coordinates and applying to Map Reading (R) ***Sports Week: Creating pie charts using data from a school sports survey.*** Consolidate: **Times table** to x12 and extend to x25 x50 and

Lowbrook Academy **Maths Long Term Plan**

	1000 increasing fluency. (F) Measurement capacity mass and weight Science experiments and DT challenge Cam Toys (PS and R) Conversion between different units of metric and imperial measurement. (R) **Competencies** Square Numbers Roman Numerals (F)	**Competencies** 2D Shapes Time	irregular polygons. (PS) Angles in a triangle and other shapes. Finding right angles and drawing shapes and understanding 3D shape properties. Estimate and measure and draw angles in degree including acute, obtuse and reflex. Identify angles at a point and on a straight line. (F) Equivalence between fractions, decimals and percentages – fluency. Apply to problem solving – (R) Adding and subtracting fractions – fluency. Apply to real life situations – (R) **Competencies** 3D Shapes Angles (F)	whole number and to 1 decimal place – (F) Consolidating converting between fractions, decimals and percentages – (F) Application to real life situations – (R) **Competencies** Conversion Equivalent Fractions (F) .	from one for to the other and write mathematical statements. (F) Consolidate: **Times tables** to x12 and extend to x25 x50 and x15. (F) **Competencies** Percentage Fraction Decimals (F)	x15. (F) Introduce cube numbers. (F) Revise all fractions – adding, take away, multiplying and quantities of amounts. (F) Revise Place value up to 1 Million and including Negative Numbers in context. (F)

Lowbrook Academy **Maths Long Term Plan**

Year 6	Read, write and order numbers up to 10,000,000 including decimals to 3dp. Round any number to any degree of accuracy (F) and apply in real life context (R). Conversion between different units of measure using decimal notation to 3dp (F) apply in real life context (R). Multiply and divide numbers and decimals by 10, 100, 1000 (F). Add and Subtract numbers with more than 4 digits and decimals (F). Estimate and solve answers to multi-step word problems involving all four operations including mental calculations (R). Multiply numbers up to 4 digits by 2 digits and decimals (F).	Solve problems involving relative sizes of two quantities and unequal sharing (R). Read and write decimal numbers as fractions. Add fractions mentally. Find common factors and common multiples (F&R). Use CF to simplify fractions and CM to find equivalent fractions. Calculate perimeter and area of triangles and parallelograms (F). Recognise when to use formula for area and volume (R). Draw 2D shapes using given dimensions (PS). Find missing coordinates on a quadrant (R). Properties of 2D and 3D shapes (F). Construct pie charts from discrete data and interpret and draw	Calculate and interpret the mean as an average (F). Analyse, discuss data and draw conclusions from scatter and line graphs and draw graphs relating two variables arising from their own enquiry (R). Consolidate long multiplication and division apply these to word based problems (F and R). Negative numbers in a context (PS). Square, prime and cube numbers. Factors (HCF), Multiples (LCM), Primes and prime factors. (F) Compare and classify geometric shapes based on their properties and sizes (F&R). Name parts of a circle including radius, diameter and circumference (F).	Solve problems involving scale factors (R). Problems solving/ reasoning involving percentages, pie charts and line graphs (R). Recognise describe and build simple 3D shapes including making nets. (PS) Recognise angles where they meet at a point, on a straight line or are vertically opposite (PS). Find pairs of numbers that satisfy unknown variables on both sides (R). Use BIDMAS and apply to problems (F&R). **Competencies:** Retest, revise and consolidate	Consolidation of estimating and solving answers to multi-step word problems involving all four operations (R). Consolidation of all four operations of fractions (F). Consolidation of conversion between fractions, decimal and percentages. Consolidate knowledge of primes, square and cube numbers. (F) Consolidate properties of 2D shape (faces, edges and vertices and making nets) (F) **Competencies:** Retest, revise and consolidate	Consolidate circumference of a circle and extend to area using algebraic formula (R) Calculate the mean, median, mode and range (F&R). Revisit ratio and proportion including relative sizes of two quantities and unequal sharing (R). Consolidate knowledge of all 4 operations apply these to word based problems (F&R). Consolidate knowledge of place value reasoning problems (F&R). ***Week: Sports Creating scatter diagrams and interpreting data from athletic performances***.

	Add and subtract fraction and mixed numbers with different denominators. Multiply and divide fractions including by whole numbers and solve word problems (R&F). Divide number up to 4 digits by 1 and 2 digits and leave answer as a fraction, decimal and remainder (F). Use inverse operation to check answers (R). Convert between, compare and order fractions, decimal and percentages (F). **Competencies:** -Fractions, Decimals and Percentages -Equivalent Fractions - Conversions (F).	conclusions (R). Recognise Roman Numerals up to 3999 (F). Generate and describe linear number sequences (F). Draw shapes on a coordinate grid using all four quadrants (F). Draw and translate shapes with missing. Reflect shape over x and y axis (F&R). Find percentages and fractions of amounts and apply to problems (F&R). **Competencies:** -Angles -Properties of 2D Shape -Properties of 3D Shape -Roman Numerals (F)	Associate fractions with division and calculate decimal fraction equivalents (F). Conversions of units (Metric and Imperial) (F). Compare, estimate and calculate volumes of cubes and cuboids. (F&R) **Competencies:** -Square Roots -Time Facts			

Reasoning, mastery, problem solving and fluency