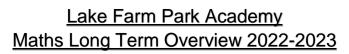
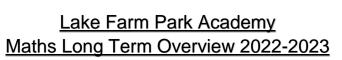


	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Counting, Recognising number	Counting, Recognising number, 2D shapes	2D and 3D shapes, weight/measure	Money, Addition and Subtraction to 20, Time	Addition and Subtraction to 20, Time	Time, capacity, Money, 3D shape
Skills coverage	Counting using 1:1 correspondence Recognising numbers representing numbers 2D shapes (in the environment)	Counting 1:1correspondence Recognising numbers 0-10 Size Positional language Quantity and numeral matching More / less or same 1 more than a given number to 10 2D shapes Repeating patterns	One more and one less than a given number up to 10 Comparing amounts (more/less) Estimation 2D shapes properties 3D shapes Composition of numbers to 5 Sharing Ordering numbers Addition related problem solving Number bonds to 10 Weighing Measuring 1 more than a given number to 10 Subitising to 3	-Money— 1p, 2p, 5p and 10p coin values -Subtraction up to 20 -Addition up to 20 -1 more/1 less than any given numberWeighing (using language heavy, light, lightest) Capacity -Counting in 2s -Time— vocabulary such as first next, then, after, o'clock	②-Doubling	· · · Tally charts · Pictograms and block graphs · Time · Capacity · Measurements— ordering by weight, height and length. · Subtraction · Solving money related word problems · 3D shapes in the local environment
Year 1	Number Place Value (within 10) Addition and Subtraction (within 10)	Addition and Subtraction (within 10) Geometry: Shape Number: Place Value (within 20)	Number Addition and Subtraction (within 20) Place Value (within 50)	Measurement: Length and Height Weight and Volume	Number: Multiplication and Division Fractions	Geometry: Position and Direction Number: Place Value (within 100) Money and Time
Skills coverage	Sort objects Count objects 1 more 1 less 1:1 correspondence Comparing numbers More, less and equal to Ordering numbers Number line	Addition Subtraction Finding a part Finding the difference Comparing statements 2D shapes and properties 3D shapes and properties	Addition and Subtraction within 20 Add by counting on or making 10 Subtraction not crossing 10 Related facts Place Value within 50	Compare lengths and heights Measuring length and height Compare measurement Units/Non Units Measure and compare weight and mass	Count in 2s, 5s and 10s Make equal groups Make arrays Make doubles Grouping and Sharing Find a half and find half of a quantity	Describe turns Describe positions Recognising coins Recognising notes Before and After Dates Time to the hour Time to the half hour





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	Adding	Place value within 20 (see		Weight and mass	Find a quarter and find a	Writing Time
	Part whole model	Autumn 1)		problems	quarter of a quantity	Comparing time
	Addition	Tens and ones		Capacity and Volume		
	Number bonds to 10			Measure capacity		
				Compare capacity		
Year 2	Place Value	Addition and Subtraction	Multiplication and	2D and 3D Shapes	Measurement length	Measurement Time
	Addition and Subtraction	Money	Division	Fractions	and height	Measurement Mass,
	Multiplication and Division		Statistics		Geometry	Capacity and Temperature
					Problem solving	
Skills	count in steps of 2, 3, and 5	solve problems with	recall and use	Identify and describe the	order and arrange	Choose and use appropriate
coverage	from 0, and in tens from any	addition and subtraction:	multiplication and	properties of 2D shapes,	combinations of	standard units to estimate
	number, forward and	using concrete objects and	division facts for the 2, 5	including the number of	mathematical objects in	and measure length/height in
	backward	pictorial representations,	and 10 multiplication	sides and line symmetry in	patterns and sequences	any direction (m/cm); mass
	recognise the place value of	including those involving	tables, including	a vertical line.	use mathematical	(kg/g); temperature (°C); capacity (litres/ml) to the
	each digit in a two-digit	numbers, quantities and	recognising odd and	Identify and describe the	vocabulary to describe	nearest appropriate unit,
	number (tens, ones)	measures applying their	even numbers.	properties of 3D shapes,	position, direction and	using rulers, scales,
	identify, represent and	increasing knowledge of	Calculate mathematical	including the number of	movement, including	thermometers and measuring
	estimate numbers using	mental and written	statements for	edges, vertices and faces.	movement in a straight	vessels
	different representations,	methods.	multiplication and	Identify 2D shapes on the	line and distinguishing	compare and order lengths,
	including the number line	Recall and use addition	division within the	surface of 3D shapes (for	between rotation as a	mass, volume/capacity and
	compare and order	and subtraction facts to 20	multiplication tables and	example, a circle on a	turn and in terms of	record the results using >, <
	numbers from 0 up to 100;	fluently, and derive and	write them using the	cylinder and a triangle on	right angles for quarter,	and =
	use <, > and = signs	use related facts up to	multiplication (×),	a pyramid)	half and three-quarter	Recognise and use symbols
	read and write numbers to	100.	division (÷) and equals	Compare and sort	turns (clockwise and	for pounds (£) and pence (p); combine amounts to make a
	at least 100 in numerals and	Add and subtract numbers	(=) signs	common 2D and 3D	anti-clockwise).	particular value
	in words	using concrete objects,	Show that multiplication	shapes and everyday	,	find different combinations of
	use place value and number	pictorial representations,	of two numbers can be	objects.		coins that equal the same
	facts to solve problems.	and mentally, including:	done in any order	_		amounts of money
	·	a two-digit number and	(commutative) and	Fractions:		solve simple problems in a
		ones	division of one number	Children will learn to:		practical context involving
		a two-digit number and	by another cannot	recognise, find, name and		addition and subtraction of
		tens	Solve problems involving	1 1		money of the same unit,
		two two-digit numbers	multiplication and	write fractions $\frac{1}{3}$, $\frac{1}{4}$		including giving change.
		adding three one-digit	division, using materials,	2 3		compare and sequence intervals of time
		numbers.	arrays, repeated	$\overline{4}$ and $\overline{4}$ of a length,		tell and write the time to five
			addition, mental	shape, set of objects or		minutes, including quarter
			methods, and	quantity		past/to the hour and draw
			multiplication and	quantity		, ,





			division facts, including problems in contexts.	write simple fractions for $\frac{1}{2}$ example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence $\frac{2}{4}$ and $\frac{1}{2}$.		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.
Year 3	Place Value Addition / Subtraction	Addition / Subtraction Multiplication / Division	Multiplication / Division Money Statistics	Length/ Perimeter Fractions	Fractions Time	Geometry Mass and Capacity
Skills coverage	count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number recognise the place value of each digit in a 3-digit number (100s, 10s, 1s) compare and order numbers up to 1,000 identify, represent and estimate numbers using different representations read and write numbers up to 1,000 in numerals and in words solve number problems and practical problems involving these ideas	add and subtract numbers mentally, including: a three-digit number and 1s a three-digit number and 10s a three-digit number and 100s add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction estimate the answer to a calculation and use inverse operations to check answers solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	•recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables •write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods •solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n	•measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) •measure the perimeter of simple 2-D shapes •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 with small denominators •recognise and use fractions as numbers: unit fractions with small denominators •recognise and show, using diagrams, equivalent	•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, am/pm, 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]	draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them recognise angles as a property of shape or a description of a turn identify right angles, recognise that 2 right angles make a half-turn, 3 make three-quarters of a turn and 4 a complete turn; identify whether angles are greater than or less than a right angle identify horizontal and vertical lines and pairs of perpendicular and parallel lines measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)



Year 4	Place Value and the number system Addition and subtraction	Measurement & Multiplication and Division	objects are connected to m objects •add and subtract amounts of money to give change, using both £ and p in practical contexts •interpret and present data using bar charts, pictograms and tables •solve one-step and two-step questions [for example 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables Measures and data	fractions with small denominators •add and subtract fractions with the same denominator within one whole •compare and order unit fractions, and fractions with the same denominators •solve problems that involve all of the above Decimals and fractions Shape	Addition and subtraction Decimals and fractions	Multiplication and division
Skills coverage	Count in multiples of 6, 7, 9, 25 and 1000 Count backwards through zero to include negative	Find the effect of dividing a one- or two digit number by 10 and 100, identifying the value of the digits in	Estimate and calculate lengths Compare lengths Measure and calculate	Understand that a fraction is one whole number divided by another (for example, can be	Use place value, known and derived facts to multiply and divide mentally, including:	Solve problems involving multiplying and adding, including using the distributive law to multiply
	numbers Count up and down in hundredths Read and write numbers to at least 10 000 Read and write numbers with up to two decimal places Recognise the place value of each digit in a four-	the answer as ones, tenths and hundredth Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known or related fact, calculate mentally, use a jotting, written method)	the perimeter of a rectilinear figure (including squares) in centimetres and metres Understand that area is a measure of surface within a given boundary Find the area of rectilinear shapes by counting squares	interpreted as 3 ÷ 4) Recognise, find and write fractions of a discrete set of objects including those with a range of numerators and denominators Add and subtract fractions with the same	-multiplying by 0 and 1 -dividing by 1 -multiplying together three numbers Multiply two-digit and three digit numbers by a one-digit number using formal written layout	two digit numbers by one digit, division (including interpreting remainders), integer scaling problems and harder correspondence problems such as n objects are connected to m objects



	digit number (thousands, hundreds, tens, and ones)	Recognise and use factor pairs and commutativity in mental calculations Recall multiplication and division facts for multiplication tables up to 12 × 12	Estimate and calculate mass	denominator 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		
Year 5	Place Value Addition and Subtraction	Multiplication and Division Fractions	Multiplication and Division, Fractions and Decimals	Percentages, Perimeter/Area, Statistics	Shape, Position/Direction, Decimals	Negative numbers, Converting units, Volume
Skills coverage	Place Value read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000	Multiplication and Division identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers know and use the vocabulary of prime numbers, prime factors and composite (non- prime) numbers establish whether a number up to 100 is prime and recall prime numbers up to 19 multiply numbers up to 4 digits by a one- or two- digit number using a formal written method, including long	Know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers Establish whether a number up to 100 is prime and recall prime numbers up to 19 Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3) Recognise mixed numbers and improper fractions and convert from one form to the other Read and write decimal numbers as fractions (e.g. 0.71 = 71/100	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 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	Distinguish between regular and irregular polygons based on reasoning about equal sides and angles Use the properties of rectangles to deduce related facts and find missing lengths and angles Identify 3-D shapes, 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 (°) Identify:	Continue to order temperatures including those below 0°C Convert between different units of metric measure (for example, kilometre and metre; centimetre and millimetre; gram and kilogram; litre and milliitre) Estimate (and calculate) volume (for example, using 1 cm3 blocks to build cuboids (including cubes)) and capacity (for example, using water) Understand the difference between liquid volume, including capacity and solid volume



	solve number problems and practical problems that involve all of the above read Roman numerals to 1000 (M) and recognise years written in Roman numerals. Addition and subtraction add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) add and subtract numbers mentally with increasingly large numbers use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy	multiplication for two-digit numbers	Count on and back in mixed number steps such as Compare and order fractions whose denominators are all multiples of the same number (including on a number line)		-angles at a point and one whole turn (total 360°) -angles at a point on a straight line and 1/2 a turn (total 180°) -other multiples of 90	
Year 6	Number: Place Value Number: 4 operations	Number: Fractions Geometry: Position and Direction Number: Decimals	Number: Percentages, Algebra Measurement: Conversion, Perimeter,	Number: Ratio Statistics Geometry: Properties of shape	Consolidation SATs revision	Maths investigations
Skills	Identify, represent and	Choose an appropriate	Area, Volume <u>Decimals:</u> three places,	Measurement: convert	Consolidate skills such	Consolidate skills such as:
coverage	estimate numbers using the number line	strategy to solve a calculation based upon the	multiple/divide by 10,100,1000,	and calculate in metric, miles and km imperial	as: Identify, represent and	Choose an appropriate strategy to solve a
	Order and compare	numbers involved (recall a	divide/multiply by	innes and kin imperial	estimate numbers using	calculation based upon the
	numbers including integers,	known or related fact,	integers, decimals as	Measurement:	the number line	numbers involved (recall a
	decimals and negative	calculate mentally, use a	fractions, fractions to	shape-same area,	Order and compare	known or related fact,
	numbers. Round decimals with three	jotting, written method) Solve problems involving	decimals Percentages: fractions to	perimeter, area of triangle/parallelogram,	numbers including integers, decimals and	calculate mentally, use a jotting, written method)
	decimal places to the	addition, subtraction,	percentages, equivalent	volume-cube, cuboid	negative numbers.	Solve problems involving
	nearest whole number or	multiplication and division	FDP, order FDP,		Round decimals with	addition, subtraction,
	one or two decimal places	Fractions:		Ratio:	three decimal places to	multiplication and division



Choose an appropriate	compare and order,	percentages of an	ratio and fractions, ratio,	the nearest whole	Divide/multiply by
strategy to solve a	add/subtract fractions,	amount	scale factors,	number or one or two	integers, Convert decimals
calculation based upon the	mixed add/subtract,	Algebra:	ratio/proportion problems	decimal places	as fractions, and fractions
numbers involved (recall a	multiply/divide fractions	find a rule-one & two		Choose an appropriate	to decimals.
known fact, calculate	by integers and fractions,	step, expressions,		strategy to solve a	
mentally, use a jotting,	fraction of an amount	formulae, equations, one		calculation based upon	
written method)	Geometry: 4 quadrants,	& two step equations		the numbers involved	
Select a mental strategy	translation, reflection			(recall a known fact,	
appropriate for the				calculate mentally, use a	
numbers involved in the				jotting, written method)	
calculation				Select a mental strategy	
Use estimation to check				appropriate for the	
answers to calculations and				numbers involved in the	
determine, in the context of				calculation	
a problem, an appropriate					
degree of accuracy					
Use their knowledge of the					
order of operations to carry					
out calculations involving					
the four operations					