



## Listerdale Junior Academy Maths LTP - Year 6

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6 Week	7 Week 8	Week 9	Week 10	Week 11	Week 12
	Number: Place Value	Number: Addition and	Assessment	Number: Multiplication and	Number:	Number: Fractions	Number	Assessment	Measurement:	Measurement:	Geometry: Position and
Autumn		Subtraction	week: Arithmetic	Division	Percentages			week: Arithmetic	Converting units and	Perimeter, Area and	Direction
Autumn	National Curriculum objectives  1. Read. write, order and	National Curriculum objectives	Focus			National Curriculum objectives	National Curriculum	Focus	time	Volume	
	compare numbers up to 10	1 Perform mental calculations,	National curriculum	National Curriculum objectives 1. Multiply multi-digit numbers up to 4	National Curriculum	Use common factors to simplify fractions; use a symptom multiples to express fractions in the symptom.		toro			National Curriculum
ach week:	000 000 and determine the value	including with mixed operations and	objectives	digits by a two-digit whole number	objectives	common multiples to express fractions in the sidenomination	same 1.Identify common factoring common multiples an	Anumeuc gap	National Curriculum objectives	National Curriculum	objectives 1. describe positions on the
1- Daily arithmetic -10	of each digit 2. Round any whole number to a	large numbers 2. Identify common factors, common	I.Identify the value of each digit in numbers	using long multiplication	Recall and use equivalences between	Compare and order fractions, including fractions.		analysis	1. Solve problems involving	objectives	full coordinate grid (all four
Number of the week	required degree of accuracy	multiples and prime numbers	given to three decimal	Divide numbers up to 4 digits by a two-digit whole number using the	simple fractions,	3. Add and subtract fractions with different	2.Use their knowledg		the calculation and conversion of units of measure, using	Recognise that shapes with the same areas can	quadrants)
V- Daily arithmetic- 10	Use negative numbers in context, and calculate intervals	Use their knowledge of the order of operations to carry out calculations	places and multiply and	formal written method of long division,	decimals and	denominators and mixed numbers, using the		s to	decimal notation up to three	have different perimeters	Draw and translate simple
lus	across zero	involving the four operations	divide numbers by 10, 100 and 1000 giving	and interpret remainders as whole number remainders, fractions, or by	percentages, including	equivalent fractions 4. Multiply simple pairs of proper fractions, wri	carry out calculations involving the four		decimal places where	and vice versa	shapes on the coordinate
Fh- Number connections  - Daily arithmetic –10	Solve number and practical problems that involve all of the	Solve addition and subtraction multi- step problems in contexts, deciding	answers up to three	rounding, as appropriate for the context	in different contexts	answer in its simplest form [for example, 4.1 x			appropriate	2. Recognise when it is	plane, and reflect them in the axes
aus	above.	which operations and methods to use	decimal places 2.Divide numbers up to	Use their knowledge of the order of operations to carry out calculations	Small Steps	]			Use, read, write and convert between standard units.	possible to use formulae for area and volume of	axes
us		and why	4 digits by a two-digit	involving the four operations		5. Divide proper fractions by whole numbers [i	for		converting from a smaller unit	shapes	Small Steps
Daily arithmetic to	Small Steps	<ol><li>Solve problems involving addition, subtraction, multiplication and division</li></ol>	number using the formal written method	7. Use estimation to check answers to	Week 1	example, 3 1 ÷ 2 = 6 1 ]	Small steps		to a larger unit, and vice versa,	3. Calculate the area of	·
nclude all operations at	Week 1	6. Use estimation to check answers to	of short division where	calculations and determine, in the context of a problem, an appropriate	<ul> <li>Understand</li> </ul>		·		using decimal notation to up to	parallelograms and	Week 1
the appropriate level	<ul> <li>Numbers to 10,000,</li> </ul>	calculations and determine, in the context of a problem, an appropriate	appropriate,	degree of accuracy.	percentages		Week 1		three decimal places	triangles	The first quadrant
	100,000, a million, ten	degree of accuracy.	interpreting remainders according to the	Carall Chara	<ul> <li>Percentage of an amount</li> </ul>	Small Steps			Convert between miles and kilometres	Calculate, estimate and compare volume of cubes	<ul><li>Four quadrants</li><li>Translations</li></ul>
	million		context	Small Steps	Percentages –	l	Factors/Multiple     Prime numbers		4. (Y5) Complete, read and	and cuboids using	Reflections
Insure differentiation	Compare and order	Small Steps	Small Steps	Week 1	missing values	Week 1		<b>I</b>	interpret information in tables,	standard units	Remodions
takes place is needed	<ul><li>any number</li><li>Rounding numbers</li></ul>	Sman Steps	Oman Steps	Mulitply up to a 4 digit	Percentage word	<ul> <li>Equivalent fractions and simplifying fractions</li> <li>Improper fractions to mixed numbers/Mixed</li> </ul>	110113		including timetables.		
	Negative numbers	Week 1	Week 1	numbers by a 2 digit	problems	numbers to improper fractions	ACU		Small Steps	Small Steps	
	110941170 1141112010	<ul> <li>Add and subtract whole</li> </ul>		numbers x2		Multiply and divide fractions by integers			Small Steps	Week 1	
		numbers with more than 4	Multiply and	Long division x 2		<ul> <li>Multiply fractions by fractions</li> </ul>			Week 1	Area and perimeter	
		<ul><li>digits</li><li>Inverse operations</li></ul>	divide by 10,100,1000						<ul> <li>Convert and calculate</li> </ul>	Area of a triangle	
		(addition and subtraction)	Short division						metric measures	Area of a	
		Multi step addition and	<ul> <li>Arithmetic</li> </ul>			Week 2			Miles & KM     Time	parallelogram	
		subtraction problems	gap analysis						Time     Timetables	<ul> <li>Volume of a cuboid</li> </ul>	
		<ul> <li>Add and subtract integers</li> </ul>				Fractions of an amount			Timetables		
						Compare and order fractions					
						Add and subtract fractions     Mixed number addition and subtraction					
						• Wiked Humber addition and Subtraction					
	Number: Fractions, Decimals, Percentages		Assessment	Number: Ratio	Number: Algebra	Geometry: Properties of Sh	apes Statistics	Assessment	Measurement:	Gap Analysis – look	Number: Addition,
Spring			week:			National Comissions abjectives		week: Arithmetic	Perimeter, Area and	at previous tests and	Subtraction, Multiplication
	National Curriculum objectives 1. Associate a fraction with division and calculate decimal fraction		Arithmetic	National Curriculum objectives	National Curriculum	National Curriculum objectives 1. Draw 2-D shapes using given dimensions a	nd angles National Curriculum	Focus	Volume	teach to weaknesses	and Division
	Associate a fraction with div     equivalents	ision and calculate decimal traction	Focus	solve problems involving the relative sizes of two quantities	objectives 1. Use simple formulae	Recognise, describe and build simple 3-D s		auct .			National Curriculum
	2. Identify the value of each di	ait in numbers given to three		where missing values can be	Generate and	including making nets	pie charts and line on		National Curriculum objectives		objectives
Each week: M- Daily arithmetic -10		nd divide numbers by 10, 100 and		found by using integer X and ÷	describe linear number	Compare and classify geometric shapes ba	sed on and use these to solv		Recognise that shapes with the same areas can have		Solve addition and
ans	1000 giving answers up to three		Arithmetic Gap	facts	sequences	their properties and sizes and find unknown a any triangles, quadrilaterals, and regular polys	problems	Analysis	different perimeters and vice		subtraction multi-step
T- Number of the week		vith up to two decimal places by	Analysis	2. Solve problems involving the	3. Express missing	4. Recognise angles where they meet at a poi			versa		problems in contexts, deciding which operations and
W- Daily arithmetic- 10	whole numbers 4. Use written division method	s in cases where the answer has		calculation of % and the use of % for comparison	number problems algebraically	a straight line, or are vertically opposite, and fi			2. Recognise when it is		methods to use and why
qus Th- Number connections	up to two decimal places	on cases where the answer has		3. Solve problems involving	4. Find pairs of	missing angles	parts of circles, include		possible to use formulae for		2. Solve problems involving
F – Daily arithmetic –10		5. Solve problems which require answers to be rounded to		similar shapes where the scale	numbers that satisfy an	On all Otana	radius, diameter and	<u> </u>	area and volume of shapes 3. Calculate the area of		addition, subtraction,
qus	specified degrees of accuracy 6. Recall and use equivalences between simple fractions,			factor is known or can be found	equation with two	Small Steps	circumference and kr		parallelograms and triangles		Cmall Ctana
	decimals and percentages, inc			Solve problems involving unequal sharing and grouping	unknowns 5. Enumerate	Week 1	that the diameter is to the radius	rice	4. Calculate, estimate and		Small Steps
Daily arithmetic to include all operations at	decimais and percentages, inc	duling in different contexts.		using knowledge of fractions and	possibilities of	Properties of 2D shapes and draw 2D			compare volume of cubes and		Week 1
the appropriate level	Small Steps			multiples	combinations of two	using given dimensions (discuss regu			cuboids using standard units		Fluency practise
Ensure differentiation takes place is needed	Week			Constit Change	variables.	irregular polygons)	Small Steps		Small Steps	1	
	Week 1	dradthe and thousandtha		Small Steps	Small Steps	Properties of 3D shapes	on their Week 1			1	Worded problems all
	Understand tenths, hundredths and thousandths     Rounding up to 3 decimal places			Week 1	Offiali Oteps	Compare and classify shapes based	on their  • Read and inter	ret	Week 1	1	four operations
	Multiple and divide decimals by integers			Calculating ratio	Weeks 1	properties	line graphs		Area and perimeter		
	Money problems	,		Using scale factors	<ul> <li>Substitution</li> </ul>	Nets of shapes	Circles – radius	,	Area of a triangle	1	
	]			Calculating scale factors	Use simple	Week 2	diameter,		Area of a parallelogram	1	
				Ratio and proportion	formulae	Measure using a protractor	circumference		Volume of a cuboid	1	
	Week 2			problems	Generate and describe linear	Angles on a straight line/ Angles around	Read and inter pie charts/ Pie	ret			
	Converting from fraction     Favired and EDD	to decimal			sequences	point	charts with			1	
	Equivalent FDP     Ordering FDP				Find pairs of	Angles in a triangle (including missing)				1	
	FDP word problems				values	Angles in quadrilaterals/ Angles in re					
	- 1 Pr Mora broniering		I	1	<ul> <li>Enumerate</li> </ul>	polygons				1	
						1 - 73		<b>I</b>			
					possibilities	1 - 75					
Summer		Consolidation and SA Gap analysis from pre			possibilities	1770	Consolidation, Inves	 tigations and Prepar	ration for KS3		1

Any spare weeks in any term = gap analysis