			Long term maths plannin 2017 - 2018	g – Year 5			
wk	Autumn Term 4 th September - 21 st Decem 10 th Nov Phase 1 en	ber 2017 ds wk	Spring Terr 8 th January – 29 th M 9 th Feb Phase 2	n arch 2018 ends	wk	Summer Term 16 th April-23 rd July 2 4 th May Phase 3 er	2018 nds
1	4/9 Number-Place Value	1	8/1 Number-Place Value (use <, > and = signs in different contexts)		1	16/4 Number-Place Value (Repeat from Phase 1,2- deeper)	
2	11/9 Number-Place Value (Negative numbers, square/cubes, Roman Numerals)	2	15/1 The four operations (<i>Multi step word problems</i> /Measurements)		2	23/4 Addition/Subtraction (<i>Multi step word problems</i> /Measurements, , repeat from Phase 1,2-deeper)	
3	18/9 Addition/Subtraction	3	22/1 Fractions/%/Decimals		3	30/4 Multiplication/Division (Multiples, Factors, Prime No, repeat from Phase 1,2- deeper) Assessment – Data drop on Friday 4 th May 2018	
4	25/9 Addition/Subtraction (<i>Multi step w pb/Money</i>)	4	29/1 Fractions/%/Decimals		4	7/5 Geometry (Angles/3D shapes, repeat from Phase 1,2-deeper)	
5	2/10 Multiplication/Division (<i>Multiples, Factors, Prime No</i>)	5	5/2 Geometry (Angles, 2D/3D shapes, Area/Perimeter) Assessment – Data drop on Friday 9 th February 2018		5	14/5 Geometry (Position and Direction, , repeat from Phase 1,2-deeper)	
			Half term (12/2-18/2/2018)		6	21/5 The four operations (<i>Multi step word problems</i> /Measurements)	
6	9/10 Multiplication/Division	6	19/2 Geometry (Angles,			Half term (28/5-3/6/20	18)

	(W pb using factors, multiples, squares and cubes		7	2D/3D shapes, Area/Perimeter) 26/2 Number-Place Value (Roman Numerals)		-		
7	16/10 Statistics (<i>Tables/line</i> graphs) Half term (23/10-29/10,	/2017)	8 9	5/3 Addition/Subtraction (<i>Multi step word problems</i> /Time, repeat from Phase 1,2-deeper) 12/3 Addition/Subtraction		7	4/6 Fractions/%/Decimals (Repeat from Phase 1,2- deeper) 11/6 Fractions/%/Decimals	
8	30/10 Fractions (Compare and order fractions whose denominators are all multiples of the same number, recognise mixed numbers, improper fractions, +/- fractions with the same denominator, round		10	(Statistics, repeat from Phase 1,2-deeper) 19/3 Multiplication/Division (Prime numbers, square and cubes, formal written methods for x/÷)		9	(Repeat from Phase 1,2- deeper) 18/6 Measurement (Perimeter and area, convert between units of metric measure, repeat from Phase 1,2-deeper)	
9	decimals) 6/11 Fractions (As previous week) Assessment - Data drop on Friday 10 th Noy 2017		11	26/3 Fractions (x proper fractions and mixed numbers by whole numbers)		10	25/6 Statistics (Repeat from Phase 1,2-deeper)	
10	13/11 Measurement (Convert between units of measurement, calculate Area/Perimeter)					11	2/7 Geometry (Angles, repeat from Phase 1,2- deeper)	
11	20/11 Geometry (2D/3D shapes/Angles)		By th to be	e end of spring term the minim able to do:	um children need	12	9/7 The four operations (<i>Multi step word problems</i>)	

			•	Interpret nega forwards and k negative whole
12	27/11 Number/PV (Negative numbers, w.pb)		•	Add and subtra than four digit
13	4/12 Addition/Subtraction (Statistics, w.pb)		•	methods <i>(colu</i> Complete, read
14	11/12 Multiplication/Division (Word pb)		•	tables, includir Solve problem
15	18/12 Revision			division includi
By th	ne end of autumn term, the minimu	im children need		and multiples,
to be	e able to do:		•	Solve problem
	 Read, write, order and compare 	e numbers to		division, includ
	1,000,000 and determine the va	alue of each digit		and problems

- Identify multiples and factors including finding all factor pairs of a number and common factors of two numbers.
- Compare and order fractions whose denominators are all multiples of the same number.
- Convert between different units of metric measure (e.g. km and m; cm and mm; g and kg)
- Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres.
- Calculate and compare the area of rectangles (incl. squares) and including using standard units, square centimetres and square metres and estimate the area of irregular shapes.
- Complete, read and interpret information in tables, including timetables.
- Read, spell and pronounce mathematical vocabulary correctly

	 Interpret parative numbers is context, count 	/Magguramants/	
	Interpret negative numbers in context, count forwards and backwards with positive and	/iviedsurements/	
	forwards and backwards with positive and	ivietric/iniperial units)	
	negative whole numbers including through zero		
	 Add and subtract whole numbers with more 	By the end of Y5, a child should be fluent with:	
	than four digits, including using formal written	Formal written methods for addition and	
	methods (columnar addition and subtraction)	subtraction	
	 Complete, read and interpret information in 	 Using a developing knowledge of formal 	
	tables, including timetables	methods of multiplication and division	
	 Solve problems involving multiplication and 	Solving problems including properties of	
	division including using a knowledge of factors	numbers and arithmetic	
T	and multiples, squares and cubes	Making connections between fractions,	
	Solve problems involving multiplication and	decimals and percentages	
	division, including scaling by simple fractions	Classifying shapes with geometric properti	es
	and problems involving simple rates	and using the vocabulary needed to descri	be
	Read and writes decimal numbers as fractions	them	
	$e_{0} 0.71 = 71/100$	Reading spelling and propouncing	
	Read write order and compare numbers with	mathematical vocabulary correctly	
	un to three decimal places	mathematical vocabulary correctly	
	 Solve problems which require knowing 		
	 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		
	1/3, 2/3, 4/3 and those fractions with a denominator of a multiple of 10 or 25		
	Convert between different units of metric		
	Convert between different units of metric		
	measure (e.g. km ana m; cm ana mm; g ana kg;		
	Draw given angles and measures them in		
	degrees (U)		
	Distinguish between regular and irregular		
	polygons based on reasoning about equal sides		
	and angles		