

**Maths Long Term Plan - Year 3**

Week	Topic	Learning Objectives	Vocabulary	Things to revisit
1, 2, 3	Place Value	Know that 10 tens are equivalent to 100 and that 100 is 10 times the size of 10. 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	compare, continue, forward(s), greater than (>), less than (<), biggest, smallest, digit, hundreds, tens, ones, partition, zero, represents, RUCSAC	
4,5,6	Addition and Subtraction	Calculate number bonds to 100 Find 10 or 100 more or less than a given number Add and subtract numbers mentally, including: a 3-digit no and 1s, a 3-digit no and 10s and a 3-digit number and 100s Add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction (addition with regrouping, subtraction without) Solve problems, including missing number problems, using number facts, place value	answer, calculate, calculation, equals (=), estimate, explain, inverse, method, column addition, column subtraction, operation, partition, problem, solution, add, addition, plus, sum, total, difference, minus, subtract, subtraction, RUCSAC	
7	Assessment/ Consolidation week			
8, 9, 10	Fractions	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 Add and subtract fractions with the same denominator within one whole Solve problems that involve all of the above	fraction, numerator, denominator, divide, multiply, half, third, quarter, fifth, sixth, seventh, eighth, ninth, tenth, whole, equivalent, equal parts, share, group, whole, common denominator, addition, subtraction, less than 1, less than a whole, RUCSAC	
11, 12	Multiples	Count from 0 in multiples of 3, 50 and 100 Introduce counting in 4's Recall and use multiplication and division facts for the 3 and 4 multiplication tables	back, backwards, forward, forwards, continue, multiple of, multiples, multiplication, division, sequence, difference	
13	Assessment week			
14	Consolidation and QLA			
15, 16	Multiplication and Division	Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know Solve problems, including missing number problems, involving multiplication and division	answer, calculate, calculation, equation, fact, integer, method, inverse operations, number sentence, mental calculation, jottings, multiplication, product, times, multiplication facts, divide, division, division facts, share equally, equal groups, group, halve, remainder, solution, RUCSAC	
17,18	Fractions	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	tenths, dividing by 10, equal parts, equal steps	
19, 20	Addition and Subtraction	Add and subtract numbers with up to 3 digits, using formal written methods of columnar addition and subtraction (addition with regrouping, subtraction with regrouping) 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	answer, calculate, calculation, equals (=), estimate, explain, inverse, method, column addition, column subtraction, exchange, thousands, hundreds, tens, ones, lined up, operation, partition, problem, solution, add, addition, plus, sum, total, difference, minus, subtract, subtraction, RUCSAC	
21, 22	Multiples	Count from 0 in multiples of 3, 4, 50 and 100 Introduce counting in 8's Recall and use multiplication and division facts for the 3 and 4 multiplication tables	answer, calculate, calculation, equation, fact, integer, method, inverse operations, number sentence, mental calculation, jottings, multiplication, product, times, multiplication facts, divide, division, division facts, share equally, equal groups, group, halve, remainder, solution, short multiplication, written method, RUCSAC	
23, 24	Comparing fractions including equivalents	Recognise and show, using diagrams, equivalent fractions with small denominators Compare and order unit fractions, and fractions with the same denominators Add and subtract fractions with the same denominator within one whole Solve problems that involve all of the above	fraction, numerator, denominator, divide, multiply, half, third, quarter, fifth, sixth, seventh, eighth, ninth, tenth, whole, equivalent, equal parts, share, group, whole, common denominator, addition, subtraction, less than 1, less than a whole, equivalent fractions, fraction diagrams, RUCSAC	
25, 26	Bar charts, pictograms and tables	Interpret and present data using bar charts, pictograms and tables Solve one-step and two-step questions using information presented in scaled bar charts and pictograms and tables	axes, axis, bar chart, chart, data, frequency table, graph, How many more?, How many more?, pictogram, scale, table, tally, interpret, present, solve	
27, 28	Introducing tenths as decimals	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 Solve problems that involve the above	tenths, dividing by 10, equal parts, equal steps, RUCSAC	
29, 30	Addition and Subtraction	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	answer, calculate, calculation, equals (=), estimate, explain, inverse, method, column addition, column subtraction, operation, partition, problem, solution, add, addition, plus, sum, total, difference, minus, subtract, subtraction, RUCSAC	
31, 32	Multiplication and Division	Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects 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 (2-digit x 1 digit written method and mental division with remainders)	answer, calculate, calculation, equation, fact, integer, method, inverse operations, number sentence, mental calculation, jottings, formal written methods, scaling, multiplication, product, times, multiplication facts, divide, division, division facts, share equally, equal groups, group, halve, remainder, solution, short multiplication, written method, RUCSAC	
33, 34	Revision of place value	Know that 10 tens are equivalent to 100 and that 100 is 10 times the size of 10. 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	compare, continue, forward(s), greater than (>), less than (<), biggest, smallest, digit, hundreds, tens, ones, partition, zero, represents, RUCSAC	
35, 36	Multiplication	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 (2-digit x 1 digit written method and mental division with remainders) solve problems, including missing number problems, involving multiplication and division	answer, calculate, calculation, equation, fact, integer, method, inverse operations, number sentence, mental calculation, jottings, formal written methods, scaling, multiplication, product, times, multiplication facts, divide, division, division facts, share equally, equal groups, group, halve, remainder, solution, short multiplication, written method, RUCSAC	
37	Assessment Week	Consolidation and QLA		
38	Sports Week	Consolidation and QLA		
39	Transition Week	Statistics		