Mastering Number – Key Stage 1 Overview by Week

Autumn 1

Autumn 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Year 1 Set 1	**Composition** Practise subitising Recap the composition of 5	**Composition** Focus on the composition of 6, 7, 8 and 9 as '5 and a bit'	**Composition** Focus on the composition of 6, 7, 8 and 9 as '5 and a bit'	**Comparison** Compare sets of objects by matching Use the language of comparison: *more than* and *fewer than*	**Counting, ordinality and cardinality** Recap the order of numbers to 10 using the 'staircase' pattern Identify numbers that are '1 more' or '1 less' and apply this to sets of objects	**Composition** Focus on numbers that can be made with 'doubles' Recap that even numbers can be made with 2 equal parts
Year 2 Set 1	**Composition** Focus on the composition of 6, 7, 8 and 9 as '5 and a bit'	**Comparison** Compare numbers within 10 using language of comparison when comparing sets of objects and numbers Use the inequality and equals symbols as appropriate between expressions and in equations	**Composition** Focus on odd/ even parts when even numbers are composed of 2 parts, including when 2 parts are equal (doubles)	**Composition** Focus on the composition of 6 Identify missing addends and complete missing symbols in expressions and equations using equals or inequality symbol	**Composition** Focus on the composition of 8 Use 2-by-4 grid and the rekenrek to find all the ways that 8 can be composed Apply knowledge to expressions and equations	**Composition** Focus on the composition of 10 Use 2-by-5 grid (10-frame) and the rekenrek to find all the ways that 10 can be composed Apply knowledge to expressions and equations

Autumn 2

Autumn 2	Week 7	Week 8	Week 9	Week 10	Week 11
Year 1 Set 2	**Composition**	**Composition**	**Composition**	**Composition**	**Counting, ordinality and cardinality**
	Focus on odd and even numbers See that even numbers can be composed of 2s, and odd numbers have 'an odd 1'	Focus on the composition of 6 Use the 2-by-3 'egg box' pattern and the rekenrek to find all the ways that 6 can be composed	Focus on the composition of 8 Use 2-by-4 grid and the rekenrek to find all the ways that 8 can be composed	Focus on the composition of 10 Use 2-by-5 grid (10-frame) and the rekenrek to find all the ways that 10 can be composed	Focus on ordinality Compare number tracks and number lines
Year 2 Set 2	**Composition**	**Composition**	**Composition**	**Composition**	**Counting, ordinality and cardinality**
	Focus on the composition of odd numbers including being made of 2s and 1 more, or 1 odd part and 1 even part	Focus on the composition of 7 Use the Hungarian number pattern and the rekenrek to find all the ways that 7 can be composed Apply knowledge to expressions and equations	Focus on the composition of 9 Focus on 3-by-3 grid and the rekenrek to find all the ways that 9 can be composed Apply knowledge to expressions and equations	Focus on the composition of the numbers 11 to 19 as '10 and a bit' Apply knowledge to missing addend equations	Compare numbers within 20 Use proportional reasoning to identify the position of numbers within 20 in the linear number system, using midpoints of 5, 10 and 15

Spring 1

Spring 1	Week 12	Week 13	Week 14	Week 15	Week 16
Year 1 Set 3	**Composition**	**Composition**	**Composition**	**Composition**	**Composition**
	Focus on the composition of 7 Use the Hungarian number pattern and the rekenrek to find all the ways that 7 can be composed	Focus on the composition of 9 Focus on 3-by-3 grid and the rekenrek to find all the ways that 9 can be composed	Recap odd and even numbers by looking at their 'shape' Explore how odd numbers can be composed of 1 odd part and 1 even part, and even numbers can be composed of 2 odd parts or 2 even parts	Explore the concept of part-part-whole, seeing that numbers can be partitioned into parts Use the language of 'whole', 'split' and 'part' alongside the part-part-whole diagram	Continue to explore how numbers can be partitioned Introduce systematic approach to partitioning Represent ways to partition numbers in a 'number house'
Year 2 Set 3	**Number facts and arithmetic**	**Composition**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**
	Focus on doubling numbers to 10, using the '5 and a bit' structure to double 6, 7, 8 and 9	Focus on the composition of 20 Use known facts within 10 to find missing parts of 20 when the known part is greater than 10	Apply knowledge of facts within 10 to addition and subtraction within 20 WITHIN the 10s boundary	Use knowledge of doubles to calculate near doubles See that near doubles are adjacent numbers See that the sum in a near double is odd	Develop understanding of near doubles Identify different strategies for near doubles, doubling the smaller addend and adding 1 or the larger addend and subtracting 1

Spring 2

Spring 2	Week 17	Week 18	Week 19	Week 20	Week 21
Year 1 Set 4	**Composition**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**
	Continue to explore systematic partitioning of numbers within 10 Connect 2 equal parts to doubling and halving	Practise applying knowledge of '1 more than' and '1 less than' a number in relation to odd/ even numbers Connect this to *'first, then, now'* stories	Explore the effect of adding or subtracting 2 to odd/ even numbers Apply to *'first, then, now'* stories	Apply knowledge of composition of even numbers to subtract from 6, 8 and 10, for both the partitioning and reduction structures of subtraction	Apply knowledge of composition of odd numbers to subtract from 5, 7 and 9, for both the partitioning and reduction structures of subtraction
Year 2 Set 4	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**
	Add 3 numbers using known facts - identifying bonds of 10 and knowledge of the composition of 11 to 19 as '10 and a bit'	Add 2 numbers by 'bridging through 10'	Consolidate understanding of adding 2 numbers by 'bridging through 10' Solve missing addend problems	Subtract by 'bridging through 10'	Consolidate understanding of subtracting by 'bridging through 10'

Summer 1

Summer 1	Week 22	Week 23	Week 24	Week 25	Week 26
Year 1 Set 5	**Composition** Focus on the composition of 11 to 15 as '10 and a bit' See this represented on a rekenrek, a double-decker bus, and in part-part-whole diagrams	**Counting, ordinality and cardinality** Focus on the position of the numbers 11 to 15 on the number line Recap midpoint on a 0 to 10 number line and see that 10 is the midpoint on a 0 to 20 number line.	**Number facts and arithmetic** Read, write and interpret expressions and equations with the + and = symbols to represent combining two sets (the aggregation structure of addition) Practise using knowledge of composition to identify the total/ sum	**Number facts and arithmetic** Read, write and interpret expressions and equations with the + and = symbols to represent an increase in a set (the augmentation structure of addition) Continue to use knowledge of composition to identify the total/ sum	**Composition** Practise recalling the composition of the numbers 6, 7, 8 and 9 **NB This week of material offers activities to develop automaticity and could be spread out over this half-term**
Year 2 Set 5	**Counting, ordinality and cardinality** Connect the order of multiples of 10 to the order of numbers within 10 Use proportional reasoning to identify the position of numbers within 100 in the linear number system	**Number facts and arithmetic** Connect missing addend problems to subtraction problems	**Number facts and arithmetic** Subtract across the 10 boundary, by subtracting FROM 10 rather than bridging THROUGH 10	**Number facts and arithmetic** Practise subtracting within 20, selecting from a range of strategies See that all subtractions can be solved by thinking of how a number is composed and identifying the missing part	**Composition** Focus on the composition of 20 Use known facts within 10 to find a missing part of 20 when the known part is less than 10

Summer 2

Summer 2	Week 27	Week 28	Week 29	Week 30	Week 31
Year 1 Set 6	**Composition**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**
	Focus on the composition of 11 to 19 as '10 and a bit Use a range of representations including the Hungarian number frame and the rekenrek	Read, write and interpret expressions and equations with the - and = symbols to represent the partitioning of a 'whole' (the partitioning structure of subtraction)	Read, write and interpret expressions and equations with the - and = symbols to represent the partitioning of a 'whole' (the reduction structure of subtraction)	Practise applying knowledge of composition when adding or subtracting Focus on the composition of 5, and 6 to 9 as '5 and a bit'	Practise applying knowledge of composition when adding or subtracting Focus on the composition of 10 and doubles within 10
Year 2 Set 6	**Comparison**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**
	Use knowledge of composition to reason about expressions and equations and use the equals and inequality symbols in expressions and equations	Consolidate doubles and near doubles Introduce strategy of adding two adjacent odd numbers or two adjacent even numbers into a double	Consolidate understanding and develop fluency in transforming addition calculations involving two adjacent odd or two adjacent even numbers into a double	Develop fluency within 10 and apply this to calculations within and across the 10-boundary using a range of optional activities	**A range of 6 sessions providing optional activities to provide practice and opportunities for assessment**