Mastering Number – Reception Overview by Week

Autumn 1	Week 1	Week 2	Week 3	Week 4	Week 5
Focus	**Subitising**	**Counting, ordinality and cardinality**	**Composition**	**Subitising**	**Comparison**
Set 1	Subitising within 3	Focus on counting skills	Explore how all numbers are made of 1s Focus on composition of 3 and 4	Subitise objects and sounds	Comparison of sets - 'just by looking' Use the language of comparison: *more than* and *fewer than*
Autumn 2	**Week 6**	**Week 7**	**Week 8**	**Week 9**	**Week 10**
Focus	**Counting, ordinality and cardinality**	**Comparison**	**Composition**	**Composition**	**Counting, ordinality and cardinality**
Set 2	Focus on counting skills Focus on the 'five-ness of 5' using one hand and the die pattern for 5	Comparison of sets - by matching Use the language of comparison: *more than, fewer than, an equal number*	Explore the concept of 'whole' and 'part'	Focus on the composition of 3, 4 and 5	Practise object counting skills Match numerals to quantities within 10 Verbal counting beyond 20

Spring 1	Week 11	Week 12	Week 13	Week 14	Week 15
Focus	**Subitising**	**Counting, ordinality and cardinality**	**Composition**	**Composition**	**Composition**
Set 3	Subitise within 5 focusing on die patterns Match numerals to quantities within 5	Counting – focus on ordinality and the 'staircase' pattern See that each number is one more than the previous number	Focus on 5	Focus on 6 and 7 as '5 and a bit'	Compare sets and use language of comparison: *more than, fewer than, an equal number to* Make unequal sets equal
Spring 2	**Week 16**	**Week 17**	**Week 18**	**Week 19**	**Week 20**
Focus	**Counting, ordinality and cardinality**	**Comparison**	**Composition**	**Composition**	**Composition**
Set 4	Focus on the 'staircase' pattern and ordering numbers	Focus on ordering of numbers to 8 Use language of *less than*	Focus on 7	Doubles – explore how some numbers can be made with 2 equal parts	Sorting numbers according to attributes - odd and even numbers

Summer 1	Week 21	Week 22	Week 23	Week 24	Week 25	
Focus	**Counting, ordinality and cardinality**	**Subitising**	**Composition**	**Composition**	**Comparison**	
Set 3	Counting – larger sets and things that cannot be seen	Subitising – to 6, including in structured arrangements	Composition – '5 and a bit'	Composition - of 10	Comparison – linked to ordinality Play track games	
Summer 2	**Week 26**	**Review and assess**	**Review and assess**	**Review and assess**	**Review and assess**	**Review and assess**
Set 4	Subitise to 5 Introduce the rekenrek	Automatic recall of bonds to 5	Composition of numbers to 10	Comparison	Number patterns	Counting

Mastering Number – Year 1 Overview by Week

Autumn 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Focus	**Composition**	**Composition**	**Composition**	**Comparison**	**Counting, ordinality and cardinality**	**Composition**
Set 1	Practise subitising Recap the composition of 5	Focus on the composition of 6, 7, 8 and 9 as '5 and a bit'	Focus on the composition of 6, 7, 8 and 9 as '5 and a bit'	Compare sets of objects by matching Use the language of comparison: *more than* and *fewer than*	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	Focus on numbers that can be made with 'doubles' Recap that even numbers can be made with 2 equal parts
Autumn 2	**Week 7**	**Week 8**	**Week 9**	**Week 10**	**Week 11**	
Focus	**Composition**	**Composition**	**Composition**	**Composition**	**Counting, ordinality and cardinality**	
Set 2	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 representations of ordinality Compare number tracks and number lines	

Spring 1	Week 12	Week 13	Week 14	Week 15	Week 16
Focus	**Composition**	**Composition**	**Composition**	**Composition**	**Composition**
Set 3	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'
Spring 2	**Week 17**	**Week 18**	**Week 19**	**Week 20**	**Week 21**
Focus	**Composition**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**
Set 4	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

Summer 1	Week 22	Week 23	Week 24	Week 25	Week 26
Focus	**Composition**	**Counting, ordinality and cardinality**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Composition**
Set 5	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	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.	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	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	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**
Summer 2	**Week 27**	**Week 28**	**Week 29**	**Week 30**	**Week 31**
Focus	**Composition**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**
Set 6	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

Mastering Number – Year 2 Overview by Week

Autumn 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Focus	**Composition**	**Comparison**	**Composition**	**Composition**	**Composition**	**Composition**
Set 1	Focus on the composition of 6, 7, 8 and 9 as '5 and a bit'	Compare numbers within 10 using language of comparison when comparing sets of objects and numbers Use the inequality and equals symbols in expressions and equations	Focus on odd/ even parts when even numbers are composed of 2 parts, including when 2 parts are equal (doubles)	Focus on the composition of 6 Identify missing addends and complete missing symbols expressions and equations using the equals or inequality symbol	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 to expressions and equations	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 to expressions and equations
Autumn 2	**Week 7**	**Week 8**	**Week 9**	**Week 10**	**Week 11**	
Focus	**Composition**	**Composition**	**Composition**	**Composition**	**Counting, ordinality and cardinality**	
Set 2	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 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	Week 12	Week 13	Week 14	Week 15	Week 16
Focus	**Number facts and arithmetic**	**Composition**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**
Set 3	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	**Week 17**	**Week 18**	**Week 19**	**Week 20**	**Week 21**
Focus	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**
Set 4	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	Week 22	Week 23	Week 24	Week 25	Week 26
Year 2	Counting, ordinality and cardinality	Number facts and arithmetic	Number facts and arithmetic	Number facts and arithmetic	Composition
Set 5	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	Connect missing addend problems to subtraction problems	Subtract across the 10 boundary, by subtracting FROM 10 rather than bridging THROUGH 10	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	Focus on the composition of 20 Use known facts within 10 to find missing part of 20 when the known part is less than 10
Summer 2	**Week 27**	**Week 28**	**Week 29**	**Week 30**	**Week 31**
Year 2	**Comparison**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**	**Number facts and arithmetic**
Set 6	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 in bonds 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**