



### Mastering Number Weekly Overview – Grasshoppers Class

Week	Strand	YEAR 2 Content	MATCHED YEAR 1 Content	
1	Composition	Composition of 6-9 as '5 and a bit'	2 3	Composition of 6-9 as '5 and a bit' Representations include finger patterns, the Hungarian number frame, the 10-frame and the rekenrek
2	Comparison	Comparison of numbers within 10: comparison by matching 2 sets of objects (on the rekenrek) and by identifying the position of numbers on the number line Use the language of comparison and the < > and = symbols	4	Comparison of 2 sets of objects by matching Focus on the language of comparison
3	Composition	Composition of even numbers – odd and even parts	6 7	Composition of even numbers – as doubles Focus on equal groups and moving between representations of doubles as finger patterns and on 10-frames Composition of even numbers – as being made of 2s
4	Composition	Composition of 6	8	Composition of 6 – identifying all the ways that 6 can be composed of 2 parts Representations include a 2-by-3 array (die-pattern/ egg box) and 6 counters placed within a 3-by-3 grid
5	Composition	Composition of 8	9	Composition of 8 – identifying all the ways that 8 can be composed of 2 parts Representations include a 2-by-4 array (Numberblock Eight) and the rekenrek
6	Composition	Composition of 10	10	Composition of 10 – identifying all the ways that 10 can be composed of 2 parts Representations include: a 10-frame and the rekenrek



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7	Composition	Composition of odd numbers – odd and even parts	14	Composition of odd and even numbers – odd and even parts Representations include the Numberblocks and number plates
8	Composition	Composition of 7	12	Composition of 7 Representations include finger patterns, the Hungarian number frame and the rekenrek
9	Composition	Composition of 9	13	Composition of 9 Representations include finger patterns and the 3-by-3 array (Numberblock Nine)
10	Composition	Composition of 11-19 as '10 and a bit'	22	Composition of 11-15 as '10 and a bit' Representation include the Numberblocks, the rekenrek and the 'double decker bus'
11	Counting, cardinality and ordinality	Connect the composition of numbers 11-19 as '10 and a bit' to the linear number system and reason about midpoints	23 27	Compare numbers 11-15 and see their position on the number line - linked to their composition as '10 and a bit'. Compare numbers 16-19 and see their position on the number line - linked to their composition as '10 and a bit'
12	Number facts and arithmetic	Doubles and halves – using the '5 and a bit' structure to understand doubles within 20	6	Composition of even numbers – as doubles Focus on equal groups and moving between representations of doubles as finger patterns and on 10-frames
13	Number facts and arithmetic	The composition of 20 – finding a missing part when the known part is greater than 10		
14	Number facts and arithmetic	Calculate within 20, working within the 10 boundary for addition and subtraction (e.g. $2 + 3 = 5$ , $12 + 3 = 15$ ; $5 - 3 = 2$ , $15 - 3 = 12$ )		



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15	Number facts and arithmetic	Near doubles within 20 – doubling and adding or subtracting 1	15	Partitioning numbers – introducing part-part-whole diagrams and use of the language of ‘part’ and ‘whole’
16	Number facts and arithmetic	Near doubles within 20 – doubling and adding or subtracting 1	16	Partitioning systematically – using ‘number houses’ to show the systematic partitioning of numbers within 10
17	Number facts and arithmetic	Calculate across the 10 boundary: add 3 numbers with a total > 10 by identifying bonds of 10	17	Partitioning systematically – continued
18	Number facts and arithmetic	Calculate across the 10 boundary: bridging through 10 to add	18	Addition and subtraction structures – augmentation and reduction through ‘ <i>first, then, now</i> ’ stories – adding 1 and subtracting 1, linked to odd and even patterns.
19	Number facts and arithmetic	Calculate across the 10 boundary: bridging through 10 to add	19	Addition and subtraction structures – augmentation and reduction through ‘ <i>first, then, now</i> ’ stories – adding 2
20	Number facts and arithmetic	Calculate across the 10 boundary: bridging through 10 to subtract	20	Subtraction within 10 – subtracting odd and even parts (no equations) from 6, 8 and 10 Connects the partitioning and reduction structures of subtraction.
21	Number facts and arithmetic	Calculate across the 10 boundary: bridging through 10 to subtract	21	Subtraction within 10 – subtracting odd and even parts (no equations) from 5, 7 and 9 Connects the partitioning and reduction structures of subtraction
22	Counting, cardinality and ordinality	Numbers to 100 - position of multiples of 10 and midpoint of 50 in the linear number system		
23	Number facts and arithmetic	Subtraction as the inverse of addition	24	Introduce the symbols + and = linked to addition as aggregation
24	Number facts and arithmetic	Subtract by ‘taking from 10’ for calculations in calculations such as 15 – 6.	25	Introduce the symbols – and = linked to subtraction as partitioning



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25	Number facts and arithmetic	Consolidate subtracting through and from 10		
26	<b>Composition</b>	<b>The composition of 20 – finding a missing part when the known part is less than 10</b>	26	<b>Practical games involving retrieval of composition of numbers within 10</b>
27	Comparison	Consolidate use of inequality symbol and practise addition and subtraction across 10 (e.g. $9 + 5 (</>/=) = 12$ )	28	Addition as augmentation – practice in linking ‘stories’ involving augmentation to equations.
28	Number facts and arithmetic	Using doubles – review of near doubles and transforming pairs of adjacent odd/ even numbers into doubles	29	Continuing addition as augmentation including writing equations, then practising reduction using the same ‘ <i>first, then, now</i> ’ story in reverse.
29	Number facts and arithmetic	Using doubles – review of transforming pairs of adjacent odd/ even numbers into doubles		
30	<b>Retrieval</b>	<b>Practice activities for calculations within 20 Activities which could be used for assessment purposes</b>	30	<b>Retrieval – addition and subtraction within 10</b>
31	<b>Retrieval</b>	<b>Practice activities for calculations within 20 Activities which could be used for assessment purposes</b>	31	<b>Retrieval – addition and subtraction within 10</b>