



Mastering Number: Overview of content – Reception

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Strand/ Half-term	Subitising	Cardinality, ordinality and counting	Composition	Comparison
Autumn 2 Children will:	 perceptually subitise within 3 identify sub-groups in larger arrangements create their own patterns for numbers within 4 practise using their fingers to represent quantities which they can subitise experience subitising in a range of contexts, including tempora patterns made by sounds. 	 relate the counting sequence to cardinality, seeing that the last number spoken gives the number in the entire set have a wide range of opportunities to develop their knowledge of the counting sequence, including through rhyme and song have a wide range of opportunities to develop 1:1 correspondence, including by coordinating movement and counting have opportunities to develop an understanding that anything can be counted, including actions and sounds explore a range of strategies which support accurate counting. 	 see that all numbers can be made of 1s compose their own collections within 4. 	 understand that sets can be compared according to a range of attributes, including by their numerosity use the language of comparison, including 'more than' and 'fewer than' compare sets 'just by looking'.
Spring 1 Children will:	 continue from first half-term subitise within 5, perceptually and conceptually, depending on the arrangements. 		 explore the concept of 'wholes' and 'parts' by looking at a range of objects that are composed of parts, some of which can be taken apart and some of which cannot explore the composition of numbers within 5. 	 compare sets using a variety of strategies, including 'just by looking', by subitising and by matching compare sets by matching, seeing that when every object in a set can be matched to one in the other set, they contain the same number and are equal amounts.
Spring 2 Children will:	 increase confidence in subitising by continuing to explore patterns within 5, including structured and random arrangements explore a range of patterns made by some numbers greater than 5, including structured patterns in which 5 is a clear part 	counting skills, using a range of strategies to develop accuracy	 continue to explore the composition of 5 and practise recalling 'missing' or 'hidden' parts for 5 explore the composition of 6, linking this to familiar patterns, including symmetrical patterns 	 continue to compare sets using the language of comparison, and play games which involve comparing sets continue to compare sets by matching, identifying when sets are equal explore ways of making





	show a small group and '1 more'	order numbers, linking cardinal and ordinal representations of number.	 begin to see that numbers within 10 can be composed of '5 and a bit'. 	unequal sets equal.
	in which each side is a familiar	 continue to consolidate their understanding of cardinality, working with larger numbers within 10 become more familiar with the counting pattern beyond 20. 	numbers, looking at the 'shape' of these numbers • begin to link even	 compare numbers, reasoning about which is more, using both an understanding of the 'howmanyness' of a number, and its position in the number system.
Summer 2	Revision based on Assessment			





Mastering Number: Overview of content – Year 1

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Strand/ Half-term	Subitising	Cardinality, ordinality and counting	Composition	Comparison	Addition and subtraction/ Number facts
Autumn 1 Children will:	subitising practise conceptual subitising of bigger numbers as they become more familiar with	representations explore the link between the 'staircase'	 focus on the composition of numbers within 10, with a particular emphasis on the composition of numbers 6, 7, 8 and 9 as '5 and a bit', as well as exploring the composition of numbers 5 and 6 in-depth explore the composition of odd and even numbers, identifying that even numbers are made of 2s and odd numbers have 'an extra 1' – they will link this to the 'shape' of these numbers. 		Although children will not be looking at number bonds expressed as equations, their work on the composition of numbers within 10 will be developing their knowledge of number bonds.
Autumn 2 Children will:	practise conceptually	 review the linear number system to 10 as they compare numbers. 	understanding of odd and even numbers		As above.
Spring 1 Children will:	continue to practise conceptually subitising numbers they have already explored the composition of.		these to part-part-whole representations practise recalling missing parts for numbers within 10.	 compare numbers within 10, linking this to their understanding of the linear system use the inequality symbol to create expressions, e.g. 7 > 2, and use the language of 'greater than' and 'less than' reason about inequalities, drawing on their knowledge of the 	of number bonds within 10, through the use of exercises which use written numerals but not the symbols +, -, or =.





				composition of numbers, e.g. Is this true or false? 3 and 2 is less than 4.	
Spring 2	 continue to 	 review the linear 	 review the composition 		 continue to develop
	practise conceptually	number system to 10, looking			their recall of bonds within
Children			linking this to doubles and near		10, through the use of
will:	have already explored the	0	doubles		exercises which do NOT
	composition of.	number line	 explore the 		involve written equations,
		 explore the use of 	composition of the numbers		such as $4 + 3 = ?$
		'midpoints' to enable them	11–20, seeing representations		 identify doubles and
		to identify the location of	which show the structure of		near doubles through visual
		other numbers.	these numbers as 'ten and a		representations of odd and
			bit'.		even numbers.
Summer 1		 review the linear number system to 20, looking 	 continue to explore representations which expose 	 compare numbers within 20, including 	 develop their fluency in additive relationships
Children	subitising numbers they	at a range of	the composition of numbers	questions which use the	within 10, using a range of
will:	have already explored the	representations, including a	within 20.	symbols +, <, >, or =, such	activities and games
	composition of.	number line		as:	 draw on their
	 conceptually 	 explore the use of 		True or false?	knowledge of the
	subitise numbers within 20	'midpoints' to enable them		10 + 4 < 14	composition of numbers to
	as they become more	to identify the location of		10 + 4 = 14	complete written equations
		other numbers.		10 + 4 > 14	 revisit strategies for
	composition of numbers				addition and subtraction
	within 20.				within 10 and apply these to
					a range of questions,
					including written equations.
Summer 2			apply their knowledge		
	conceptual subitising,			their knowledge of the	recalling additive facts
	especially when using a		numbers, to calculations within		within 20, applying their
will:	rekenrek.			when answering questions	knowledge of the
				using the inequality symbol.	composition of numbers
					within 20 and strategies
					within 10.





Mastering Number: Overview of content – Year 2

Strand/		Cardinality, ordinality and	offiber. Overview of confern		Addition and subtraction/
Half-term	Subitising	counting	Composition	Comparison	Number facts
will:	understand their composition use perceptual and conceptual subitising when using a rekenrek.	looking at a range of representations compare number tracks and number lines and explore the use of 'midpoints' to enable them to identify the location of other numbers.	 focus on the composition of numbers within 10, with a particular emphasis on the composition of numbers 6, 7, 8 and 9 as '5 and a bit', as well as exploring the composition of numbers 5 and 6 in-depth explore the composition of odd and even numbers, identifying that even numbers are made of 2s and odd numbers have 'an extra 1' – they will link this to the 'shape' of these numbers. 		 link their growing understanding of the composition of numbers within 10 to the related additive facts, including adding 2 to an odd or even number practise recalling facts in a variety of ways, including through solving simple picture problems and completing equations with a missing sum or addend,
Children will:			in-depth, linking this to their understanding of odd and even numbers	understanding of the linear number system	continue to practise recalling additive facts for numbers within 10, using a range of equations, games and picture problems.
Children	 continue to practise conceptually subitising numbers they have already explored the composition of, including 'teen' numbers when they have reviewed the 		 review the composition of 11 to 19 as 'ten and a bit' and explore ways to represent this. 		 focus on number bonds within 10 presented in the part-part-whole structure, including identifying a missing 'part' and relating this to subtraction equations review strategies for adding 1 and 2 to odd and





Spring 2 Children will:	the numbers 11–19	within 20, making links between the midpoints of 5 and 10, and 15.	odd and even numbers, linking this to doubles and near	• continue to compare numbers within 20, including questions which use the symbols +, <, >, or =, such as: Write the correct symbol: 10 + 4 15 10 + 4 14 10 + 4 13	knowledge of the linear number system and apply this to calculations involving 1 more and 1 less, and pairs of numbers with a difference of 1 use their understanding of the composition of odd and even numbers to find doubles and near doubles apply known facts to calculations involving larger
					numbers, e.g. 5 + 2, 15 + 2, 25 + 2.
Summer 1 Children will:	develop their subitising skills.	number system to 100, applying their knowledge of midpoints to place numbers		as: True or false? 5+3=6+2 9+4>9+5 9+6<10+5 This will help them	become fluent in a range of strategies involving calculations within 20, using 'make 10' strategies to add, and subtracting through the tens boundary practise recalling number bonds through a range of activities and games which will encourage them to reason about sums and differences.





			knowledge.	
Summer 2	As above.	As above.		 develop their fluency
				in additive relationships within
Children				20, using a range of activities
will:				and games and revisiting
				previously taught strategies
				where necessary.