

Springdale



Rainbow Additive Facts Progression

Mastering Number – Number Facts (Reception)

Autumn 1	Number Theme	Autumn 2	Number Theme
Week 1-2	BASELINE	Week 1	Cardinality and Counting <i>Focus on counting to 5</i>
Week 3	Subitising • <i>Perceptual subitising to 3</i>	Week 2	Comparison <i>Comparisons by matching</i>
Week 4	Counting • <i>Counting sequence</i> • <i>1:1 correspondence</i> • <i>Cardinality</i>	Week 3	Composition <i>Focus on the concept of a 'whole'</i>
Week 5	Composition • <i>Composition of 3 & 4</i>	Week 4	Composition <i>Focus on the composition of 5</i>
Week 6	Subitising • <i>Subitising to 4</i> • <i>Perceptual and conceptual</i> • <i>Making 4</i>	Week 5	Cardinality and Counting <i>Counting beyond 5</i>
Week 7	Comparison • <i>Focus on language and think about attributes</i>	Week 6	Assessment and Revision of key knowledge
Week 8	Assessment and Revision of key knowledge	Week 7	Assessment and Revision of key knowledge

Spring 1	Number Theme	Spring 2	Number Theme
Week 1	Subitising • Focus on linking subitising amounts to 5 with numerals	Week 1	Comparison • Comparison using knowledge of ordinality rather than comparison by matching quantities • Children to notice whether a change creates a number which is more or less than another number
Week 2	Ordinality • Ordering numbers to 5	Week 2	Composition • Composition of 7 as 2 groups

	Focus on the number being 1 more than the previous number		Focus on 5 and a bit
Week 3	Composition Focus on the composition of 5 and considering the missing number	Week 3	Subitising - Subitising within 6 - Look at doubles – which numbers can be made using doubles and which numbers can not
Week 4	Composition Beginning to consider ‘5 and a bit’ numbers using fingers and die frames as key representatives	Week 4	Composition Sort odd and even numbers by looking at their tops; odd blocks and flat tops
Week 5	Composition Focus on equal and unequal groups	Week 5	Counting, Cardinality, and Ordinality - Counting larger amounts - Strategies for counting
Week 6	Counting - Counting sequence - Ordinality of 1-5 1 more and 1 less than within 10 - Linking ordinality and cardinality through the use of staircase pattern		

Summer 1	Number Theme	Summer 2	Number Theme
Week 1	Subitising <i>Structured arrangements including the 10 frame</i>	Week 1 REVIEW AND ASSESS	Comparison <i>Comparing groups of objects that are of different sizes/colours/attributes</i> <i>Developing a sense of magnitude eg knowing that 8 is a lot more than 2. But that 4 is only a little bit more than 2</i>
Week 2	Composition <i>Focus on representations of numbers using fingers and 10-frame</i>	Week 2 REVIEW AND ASSESS	Pattern in Number <i>Investigating ‘parts’ and ‘wholes’.</i> <i>Exploring the composition of numbers to 10</i> <i>Investigating the equivalence, doubles and making odd and even numbers</i>

Week 3	Composition Focus on doubles using different representations	Week 3 REVIEW AND ASSESS	Deep Understanding of Numbers to 10 - Continuing to practically explore the composition of numbers to 10 - Investigating 5 as a key 'anchor' in our number system Beginning to generalise about 1 more/1 less within 10
Week 4	Comparison Focus on ordinality, comparing numbers	Week 4 REVIEW AND ASSESS	Recall of Number Facts - Learning the 'numbers within' 3, 4, 5 and 10 - Knowing double facts up to 5 and 5 make 10 Investigating whole amounts and hidden quantities within 5
Week 5 REVIEW AND ASSESS	Subitising and The Rekenrek 'Seeing' small quantities and numbers within larger amounts - Introduction to Rekenrek - Linking familiar representations such as numbers of fingers to representations on the Rekenrek	Week 5 REVIEW AND ASSESS	Developing awareness of numbers beyond 10 Counting past 10 Recognising numbers to 20
Week 6 REVIEW AND ASSESS	Counting - Strategies for counting. - Recognising the pattern of the counting system, when beginning to count beyond 20	Week 6 REVIEW AND ASSESS	Composition beyond 10 Building numbers beyond 10 – spotting pattern eg. $12 = 10 + 2$ $11 = 10 + 1$

Mastering Number – Number Facts (Year 1)

[illegible]

Mastering Number – Number Facts (Year 2)

Autumn 1	Green	A	Composition of 6	0 + 6	1 + 5	2 + 4	3 + 3	4 + 2	5 + 1	6 + 0				
		B	Composition of 8	0 + 8	1 + 7	2 + 6	3 + 5	4 + 4	5 + 3	6 + 2	7 + 1	8 + 0		
		C	Bonds to 10	0 + 10	1 + 9	2 + 8	3 + 7	4 + 6	5 + 5	6 + 4	7 + 3	8 + 2	9 + 1	10 + 0
Autumn 2	Emerald	A	Composition of 7	0 + 7	1 + 6	2 + 5	3 + 4	4 + 3	5 + 2	6 + 1	7 + 0			
		B	Composition of 9	0 + 9	1 + 8	2 + 7	3 + 6	4 + 5	5 + 4	6 + 3	7 + 2	8 + 1	9 + 0	
		C	10 and a bit to 19	10 + 0	10 + 1	10 + 2	10 + 3	10 + 4	10 + 5	10 + 6	10 + 7	10 + 8	10 + 9	
Spring 1	Jade	A	Doubles	1 + 1	2 + 2	3 + 3	4 + 4	5 + 5						
		B	Bonds to 20	19 + 1	18 + 2	17 + 3	16 + 4	15 + 5	14 + 6	13 + 7	12 + 8	11 + 9	10 + 10	
		C	Bonds to 20	1 + 19	2 + 18	3 + 17	4 + 16	5 + 15	6 + 14	7 + 13	8 + 12	9 + 11	10 + 10	
		D	Known facts	12 + 2	12 + 3	12 + 4	12 + 5	12 + 6	12 + 7	13 + 3	13 + 4	13 + 5	13 + 6	14 + 4 14 + 5
Spring 2	Blue	A	Doubles Using 5 and a bit	6 + 6 (5 + 1 and 5 + 1)	7 + 7 (5 + 2 and 5 + 2)	8 + 8 (5 + 3 and 5 + 3)	9 + 9 (5 + 4 and 5 + 4)							
		B	Near doubles by adding 1 more	2 + 3 is 2 + 2 + 1	3 + 4 is 3 + 3 + 1	4 + 5 is 4 + 4 + 1	5 + 6 is 5 + 5 + 1	6 + 7 is 6 + 6 + 1	7 + 8 is 7 + 7 + 1	8 + 9 is 8 + 8 + 1				
		C	Near doubles by subtracting 1	2 + 3 is 3 + 3 - 1	3 + 4 is 4 + 4 - 1	4 + 5 is 5 + 5 - 1	5 + 6 is 6 + 6 - 1	6 + 7 is 7 + 7 - 1	7 + 8 is 8 + 8 - 1	8 + 9 is 9 + 9 - 1				
Summer 1	Turquoise	A	Bonds to 10	0 + 10	1 + 9	2 + 8	3 + 7	4 + 6	5 + 5	6 + 4	7 + 3	8 + 2	9 + 1	10 + 0
		B	Add 3 numbers by making 10					5 + 5 + _ 5 + _ + 5	6 + 4 + _ 4 + _ + 6	7 + 3 + _ _ + 3 + 7	8 + 2 + _ 8 + _ + 2	9 + 1 + _ 1 + _ + 9		
		C	Add 2 numbers by bridging through 10	9 + 2	9 + 3	9 + 4	9 + 5	9 + 6	9 + 7	9 + 8				
		D		8 + 3	8 + 4	8 + 5	8 + 6	8 + 7	8 + 8					
		E		7 + 4	7 + 5	7 + 6	7 + 7		6 + 5	6 + 6				
		F		6 + 5	6 + 6	6 + 7	6 + 8							
		G		5 + 6	5 + 7	5 + 8	5 + 9							
Summer 2	Teal	A	Subtract to 10	11 - 1	12 - 2	13 - 3	14 - 4	15 - 5	16 - 6	17 - 7	18 - 8	19 - 9		
		B	Subtract from 10	10 - 1	10 - 2	10 - 3	10 - 4	10 - 5	10 - 6	10 - 7	10 - 8	10 - 9		
		C	Subtract across 10	11 - 2	11 - 3	11 - 4	11 - 5	11 - 6	11 - 7	11 - 8				
		D		12 - 3	12 - 4	12 - 5	12 - 6	12 - 7						
		E		13 - 4	13 - 5	13 - 6	13 - 7	13 - 8						
		F		14 - 5	14 - 6	14 - 7	14 - 8							
		G		15 - 6	15 - 7	15 - 8	16 - 7	16 - 8	17 - 8					

Mastering Number – Number Facts (Year 3)

Autumn 1	Turquoise	A	Bonds to 10	0 + 10	1 + 9	2 + 8	3 + 7	4 + 6	5 + 5	6 + 4	7 + 3	8 + 2	9 + 1	10 + 0
		B	Add 3 numbers by making 10					5 + 5 + _ 5 + _ + 5	6 + 4 + _ 4 + _ + 6	7 + 3 + _ _ + 3 + 7	8 + 2 + _ 8 + _ + 2	9 + 1 + _ 1 + _ + 9		
		C	Add 2 numbers by bridging through 10	9 + 2	9 + 3	9 + 4	9 + 5	9 + 6	9 + 7	9 + 8				
		D		8 + 3	8 + 4	8 + 5	8 + 6	8 + 7	8 + 8					
		E		7 + 4	7 + 5	7 + 6	7 + 7		6 + 5	6 + 6				
		F		6 + 5	6 + 6	6 + 7	6 + 8							
		G		5 + 6	5 + 7	5 + 8	5 + 9							
Autumn 2	Teal	A	Subtract to 10	11 – 1	12 – 2	13 – 3	14 – 4	15 – 5	16 – 6	17 – 7	18 – 8	19 – 9		
		B	Subtract from 10	10 – 1	10 – 2	10 – 3	10 – 4	10 – 5	10 – 6	10 – 7	10 – 8	10 – 9		
		C	Subtract across 10	11 – 2	11 – 3	11 – 4	11 – 5	11 – 6	11 – 7	11 – 8				
		D		12 – 3	12 – 4	12 – 5	12 – 6	12 – 7						
		E		13 – 4	13 – 5	13 – 6	13 – 7	13 – 8						
		F		14 – 5	14 – 6	14 – 7	14 – 8							
		G		15 – 6	15 – 7	15 – 8	16 – 7	16 – 8	17 – 8					
Spring 1	Violet	A	Bonds to 10 by scaling x10	1 + 9 10 + 90	2 + 8 20 + 80	3 + 7 30 + 70	4 + 6 40 + 60	5 + 5 50 + 50	6 + 4 60 + 40	7 + 3 70 + 30	8 + 2 80 + 20	9 + 1 90 + 10		
		B	Doubles within 10 Scaling x 10	1 + 1 10 + 10	2 + 2 20 + 20	3 + 3 30 + 30	4 + 4 40 + 40	5 + 5 50 + 50						
		C	Near doubles Scaling x 10	1 + 2 10 + 20	2 + 3 20 + 30	3 + 4 30 + 40	4 + 5 40 + 50	5 + 6 50 + 60						
Spring 2	Plum	A	Composition of 60 Scaling bonds to 6 by 10.	0 + 60	10 + 50	20 + 40	30 + 30	40 + 20	50 + 10	60 + 0				
		B	Composition of 80 Scaling bonds to 8 by 10.	0 + 80	10 + 70	20 + 60	30 + 50	40 + 40	50 + 30	60 + 20	70 + 10	80 + 0		
		C	Composition of 70 Scaling bonds to 7 by 10.	0 + 70	10 + 60	20 + 50	30 + 40	40 + 30	50 + 20	60 + 10	70 + 0			
		D	Composition of 90	0 + 9	1 + 8	2 + 7	3 + 6	4 + 5	5 + 4	6 + 3	7 + 2	8 + 1	9 + 0	

			Scaling bonds to 9 by 10.											
Summe r 1	Indigo	A	Doubles beyond 10 Scaling x 10	6 + 6 60 + 60	7 + 7 70 + 70	8 + 8 80 + 80	9 + 9 90 + 90	10 + 10 100 + 100						
		B	Near doubles Scaling x 10	6 + 7 60 + 70	7 + 8 70 + 80	8 + 9 80 + 90								
		C	Bonds to 100 in multiples of 5	95 + 5	5 + 95	45 + 55	55 + 45							
		D	Bonds to 100 in multiples of 5	85 + 15	15 + 85	75 + 25	25 + 75							
		E	Bonds to 100 in multiple of 5	65 + 35	35 + 65									
Summe r 2	Sapphire	A	Add 2 numbers by bridging through 100 Use known facts and scale by 10.	9 + 2 90 + 20	9 + 3 90 + 30	9 + 4 90 + 40	9 + 5 90 + 50	9 + 6 90 + 60	9 + 7 90 + 70	9 + 8 90 + 80				
		B		8 + 3 80 + 30	8 + 4 80 + 40	8 + 5 80 + 50	8 + 6 80 + 60	8 + 7 80 + 70	8 + 8 80 + 80	8 + 9 80 + 90				
		C		7 + 4 70 + 40	7 + 5 70 + 50	7 + 6 70 + 60	7 + 7 70 + 70	7 + 8 70 + 80						
		D		6 + 5 60 + 50	6 + 6 60 + 60	6 + 7 60 + 70	6 + 8 60 + 80	6 + 9 60 + 90						
		E		5 + 6 50 + 60	5 + 7 50 + 70	5 + 8 50 + 80	5 + 9 50 + 90							