


Reception

MTP for Mathematics

These medium-term plans organise the Busy Ant Maths Foundation units into 12 three-week blocks. The order of the units will assist with progression of mathematics through the reception year.

Busy Ant Maths Foundation Medium-Term Plans

Pre-Block 1 – Numbers -		
EYFS Aspect of learning	Week 1	Songs including <u>numbers</u>
Numbers	Week 2,3,4,5	 <small>Brings numbers to life</small>

The above pre block is done before Block 1 Week 1 which will start immediately after the first 5 weeks of number using Ten town.

In the afternoon, we will teach mastering maths for ten minutes each day.

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: <i>more than</i> and <i>fewer than</i>
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: <i>more than</i> , <i>fewer than</i> , <i>an equal number</i>	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: <i>more than, fewer than, an equal number to</i> 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 <i>less than</i>	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

Block 1 Numbers – Counting & recognising numbers Numbers – Counting & recognising numbers Shape, space & measures – Shape (2-D) / Exploring patterns				Choose 'Adult-led' and 'Explore and play' activities from:	
Week	EYFS Aspect of learning	Busy Ant Maths F Topic(s)	40 – 60+ months Early years outcome / Early learning goal	Busy Ant Maths F	
				Unit	Teacher's Guide
1	Numbers	Counting & recognising numbers	• Recognise some numerals of personal significance	N 1	34
			• Recognises numerals 1 to 5	N 2	41
			• Counts up to three or four objects by saying one number name for each item	N 6	74
			• Counts actions or objects which cannot be moved	N 7	83
2	Numbers	Counting & recognising numbers	• <i>Recognise some numerals of personal significance</i>	N 1	34
			• <i>Recognises numerals 1 to 5</i>	N 2	41
			• Records, using marks that they can interpret and explain	N 5	66
			• <i>Counts up to three or four objects by saying one number name for each item</i>	N 6	74
			• <i>Counts actions or objects which cannot be moved</i>	N 7	83
3	Shape, space & measures	Shape (2-D)	• Beginning to use mathematical names for 'solid' 3D shapes and 'flat' 2-D shapes, and mathematical terms to describe shapes	SSM 1	259
			• Selects a particular named shape [2-D only]	SSM 2	267
		Exploring patterns	• Uses familiar objects and common shapes to create and recreate patterns and build models	SSM 18	370
			• Recognises, creates and describes patterns	SSM 19	377

Block 2 Numbers – Counting & recognising numbers Numbers – Counting & recognising numbers Shape, space & measures – Measures (length & height)				Choose 'Adult-led' and 'Explore and play' activities from:	
Week	EYFS Aspect of learning	Busy Ant Maths F Topic(s)	40 – 60+ months Early years outcome / Early learning goal	Busy Ant Maths F	
				Unit	Teacher's Guide
1	Numbers	Counting & recognising numbers	• Recognises numerals 1 to 5	N 2	41
			• Recognises numerals 1 to 10	N 3	48
			• Records, using marks that they can interpret and explain	N 5	66
			• Counts objects to 10, and beginning to count beyond 10	N 8	92
			• Counts out up to six objects from a larger group	N 9	102
			• Selects the correct numeral to represent 1 to 5, then 1 to 10 objects	N 10	111
2	Numbers	Counting & recognising numbers	• Recognises numerals 1 to 10	N 3	48
			• Records, using marks that they can interpret and explain	N 5	66
			• Counts objects to 10, and beginning to count beyond 10	N 8	92
			• Counts out up to six objects from a larger group	N 9	102
			• Selects the correct numeral to represent 1 to 5, then 1 to 10 objects	N 10	111
			• Counts an irregular arrangement of up to ten objects	N 11	120
3	Shape, space & measures	Measures (length & height)	• Orders two or three items by length or height	SSM 8	307
			• Uses everyday language to talk about size to compare quantities and objects to solve problems	SSM 13	336

Block 3 Numbers – Adding and subtracting (Adding) Numbers – Adding and subtracting (Adding) Shape, space & measures – Space				Choose 'Adult-led' and 'Explore and play' activities from:	
Week	EYFS Aspect of learning	Busy Ant Maths F Topic(s)	40 – 60+ months Early years outcome / Early learning goal	Busy Ant Maths F	
				Unit	Teacher's Guide
1	Numbers	Adding and subtracting (Adding)	• Finds the total number of items in two groups by counting all of them	N 16	157
			• In practical activities and discussion, beginning to use the vocabulary involved in adding	N 18	173
			• Records, using marks that they can interpret and explain [in the context of adding and subtracting]	N 20	185
2	Numbers	Adding and subtracting (Adding)	• Finds the total number of items in two groups by counting all of them	N 16	157
			• Says the number that is one more than a given number	N 17	165
			• Finds one more or one less from a group of up to five objects, then ten objects		
			• In practical activities and discussion, beginning to use the vocabulary involved in adding	N 18	173
			• Records, using marks that they can interpret and explain [in the context of adding and subtracting]	N 20	185
3	Shape, space & measures	Space	• Can describe their relative position such as 'behind' or 'next to'	SSM 5	288
			• Uses everyday language to talk about position, distance [and direction] to objects and to solve problems	SSM 6	194
			• Uses everyday language to talk about distance to compare objects and to solve problems	SSM 7	301

Block 4 Numbers – Adding and subtracting (Subtracting) Numbers – Adding and subtracting (Subtracting) Shape, space & measures – Measures (money)				Choose 'Adult-led' and 'Explore and play' activities from:	
Week	EYFS Aspect of learning	Busy Ant Maths F Topic(s)	40 – 60+ months Early years outcome / Early learning goal	Busy Ant Maths F	
				Unit	Teacher's Guide
1	Numbers	Adding and subtracting (Subtracting)	<ul style="list-style-type: none"> In practical activities and discussion, beginning to use the vocabulary involved in subtracting 	N 19	179
			<ul style="list-style-type: none"> Records, using marks that they can interpret and explain [in the context of adding and subtracting] 	N 20	185
2	Numbers	Adding and subtracting (Subtracting)	<ul style="list-style-type: none"> Says the number that is one more than a given number 	N 17	165
			<ul style="list-style-type: none"> Finds one more or one less from a group of up to five objects, then ten objects 		
			<ul style="list-style-type: none"> In practical activities and discussion, beginning to use the vocabulary involved in subtracting 	N 19	179
			<ul style="list-style-type: none"> Records, using marks that they can interpret and explain [in the context of adding and subtracting] 	N 20	185
3	Shape, space & measures	Measures (money)	<ul style="list-style-type: none"> Uses everyday language to talk about money to compare quantities and objects to solve problems 	SSM 17	361

Block 5 Numbers – Counting & recognising numbers Numbers – Counting & recognising numbers / Solving problems Shape, space & measures – Shape (3-D) / Exploring patterns				Choose 'Adult-led' and 'Explore and play' activities from:	
Week	EYFS Aspect of learning	Busy Ant Maths F Topic(s)	40 – 60+ months Early years outcome / Early learning goal	Busy Ant Maths F	
				Unit	Teacher's Guide
1	Numbers	Counting & recognising numbers	• Recognises numerals 1 to 10	N 3	48
			• Records, using marks that they can interpret and explain	N 5	66
			• Counts objects to 10, and beginning to count beyond 10	N 8	92
			• Counts out up to six objects from a larger group	N 9	102
			• Selects the correct numeral to represent 1 to 5, then 1 to 10 objects	N 10	111
			• Counts an irregular arrangement of up to ten objects	N 11	120
			• Estimates how many objects they can see and checks by counting them	N 12	126
2	Numbers	Counting & recognising numbers	• Recognises numerals 1 to 10	N 3	48
			• Records, using marks that they can interpret and explain	N 5	66
			• Counts objects to 10, and beginning to count beyond 10	N 8	92
			• Counts out up to six objects from a larger group	N 9	102
			• Selects the correct numeral to represent 1 to 5, then 1 to 10 objects	N 10	111
			• Counts an irregular arrangement of up to ten objects	N 11	120
		• Uses the language of 'more' and 'fewer' to compare two sets of objects [to 10, then extend to 20]	N 13	133	
Solving problems	• Begins to identify own mathematical problems based on own interests and fascinations	N 24	211		
3	Shape, space & measures	Shape (3-D)	• Beginning to use mathematical names for 'solid' 3D shapes and 'flat' 2-D shapes, and mathematical terms to describe shapes	SSM 1	259
			• Selects a particular named shape [3-D only]	SSM 2	267
		Exploring patterns	• Uses familiar objects and common shapes to create and recreate patterns and build models	SSM 18	370

Block 6 Numbers – Adding and subtracting (Adding) Numbers – Adding and subtracting (Adding) / Solving problems Shape, space & measures – Measures (weight)				Choose 'Adult-led' and 'Explore and play' activities from:	
Week	EYFS Aspect of learning	Busy Ant Maths F Topic(s)	40 – 60+ months Early years outcome / Early learning goal	Busy Ant Maths F	
				Unit	Teacher's Guide
1	Numbers	Adding and subtracting (Adding)	• Says the number that is one more than a given number	N 17	165
			• Finds one more or one less from a group of up to five objects, then ten objects		
			• Uses quantities and objects to add two single-digit numbers and count on to find the answer [totals to 10 only]		
2	Numbers	Adding and subtracting (Adding)	• Says the number that is one more than a given number	N 17	165
			• Finds one more or one less from a group of up to five objects, then ten objects		
			• Uses quantities and objects to add two single-digit numbers and count on to find the answer [totals to 10 only]	N 22	198
	Solving problems	• Begins to identify own mathematical problems based on own interests and fascinations	N 24	211	
3	Shape, space & measures	Measures (weight)	• Orders two items by weight	SSM 9	314
			• Uses everyday language to talk about weight to compare quantities and objects to solve problems	SSM 14	343

Block 7 Numbers – Adding and subtracting (Subtracting) Numbers – Adding and subtracting (Subtracting) / Solving problems Shape, space & measures – Measures (time)				Choose 'Adult-led' and 'Explore and play' activities from:	
Week	EYFS Aspect of learning	Busy Ant Maths F Topic(s)	40 – 60+ months Early years outcome / Early learning goal	Busy Ant Maths F	
				Unit	Teacher's Guide
1	Numbers	Adding and subtracting (Subtracting)	• Says the number that is one more than a given number	N 17	165
			• Finds one more or one less from a group of up to five objects, then ten objects		
			• Uses quantities and objects to subtract two single-digit numbers and count back to find the answer		
2	Numbers	Adding and subtracting (Subtracting)	• Says the number that is one more than a given number	N 17	165
			• Finds one more or one less from a group of up to five objects, then ten objects		
			• Uses quantities and objects to subtract two single-digit numbers and count back to find the answer	N 23	204
	Solving problems	• Begins to identify own mathematical problems based on own interests and fascinations	N 24	211	
3	Shape, space & measures	Measures (time)	• Orders and sequences familiar events	SSM 11	324
			• Measures short periods of time in simple ways	SSM 12	330

Block 8 Numbers – Counting & recognising numbers Numbers – Solving problems (doubling and halving) Shape, space & measures – Measures (capacity)				Choose 'Adult-led' and 'Explore and play' activities from:	
Week	EYFS Aspect of learning	Busy Ant Maths F Topic(s)	40 – 60+ months Early years outcome / Early learning goal	Busy Ant Maths F	
				Unit	Teacher's Guide
1	Numbers	Counting & recognising numbers	• Recognises numerals 1 to 10	N 3	48
			• Records, using marks that they can interpret and explain	N 5	66
			• Counts objects to 10, and beginning to count beyond 10	N 8	92
			• Counts out up to six objects from a larger group	N 9	102
			• Selects the correct numeral to represent 1 to 5, then 1 to 10 objects	N 10	111
			• Counts an irregular arrangement of up to ten objects	N 11	120
			• Estimates how many objects they can see and checks by counting them	N 12	126
			• Uses the language of 'more' and 'fewer' to compare two sets of objects [to 10, then extend to 20]	N 13	133
2	Numbers	Solving problems (doubling and halving)	• Solves problems, including doubling and halving	N 25	218
3	Shape, space & measures	Measures (capacity)	• Orders two items by capacity	SSM 10	319
			• Uses everyday language to talk about capacity to compare quantities and objects to solve problems	SSM 15	349

Block 9 Numbers – Counting & recognising numbers Numbers – Counting & recognising numbers / Solving problems Shape, space & measures – Shape (2-D & 3-D) / Exploring patterns				Choose 'Adult-led' and 'Explore and play' activities from:	
Week	EYFS Aspect of learning	Busy Ant Maths F Topic(s)	40 – 60+ months Early years outcome / Early learning goal	Busy Ant Maths F	
				Unit	Teacher's Guide
1	Numbers	Counting & recognising numbers	• Recognises numerals 1 to 20	N 4	57
			• Records, using marks that they can interpret and explain	N 5	66
			• Uses the language of 'more' and 'fewer' to compare two sets of objects [to 10, then extend to 20]	N 13	133
			• Counts reliably with numbers from one to 20	N 14	141
			• Places numbers one to 20 in order	N 15	148
			• Counts reliably with numbers from one to 20	N 15	148
2	Numbers	Counting & recognising numbers	• Recognises numerals 1 to 20	N 4	57
			• Records, using marks that they can interpret and explain	N 5	66
			• Uses the language of 'more' and 'fewer' to compare two sets of objects [to 10, then extend to 20]	N 13	133
			• Counts reliably with numbers from one to 20	N 14	141
			• Places numbers one to 20 in order	N 15	148
			• Begins to identify own mathematical problems based on own interests and fascinations	N 24	211
3	Shape, space & measures	Shape (2-D & 3-D)	• Selects a particular named shape	SSM 2	267
			• Explores characteristics of 2-D shapes and uses mathematical language to describe them	SSM 3	274
			• Explores characteristics of everyday objects and 3-D shapes and uses mathematical language to describe them	SSM 4	280
			• Uses familiar objects and common shapes to create and recreate patterns and build models.	SSM 18	370
		Exploring patterns	• Recognises, creates and describes patterns	SSM 19	377

Block 10 Numbers – Adding and subtracting (Adding) / Solving problems Numbers – Adding and subtracting (Subtracting) / Solving problems Shape, space & measures – Measures (time)				Choose 'Adult-led' and 'Explore and play' activities from:	
Week	EYFS Aspect of learning	Busy Ant Maths F Topic(s)	40 – 60+ months Early years outcome / Early learning goal	Busy Ant Maths F	
				Unit	Teacher's Guide
1	Numbers	Adding and subtracting (Adding)	• Says which number is one more or one less than a given number to 20	N 21	192
			• Uses quantities and objects to add two single-digit numbers and count on to find the answer	N 22	198
		Solving problems	• Begins to identify own mathematical problems based on own interests and fascinations	N 24	211
2	Numbers	Adding and subtracting (Subtracting)	• Says which number is one more or one less than a given number to 20	N 21	192
			• Uses quantities and objects to subtract two single-digit numbers and count back to find the answer	N 23	204
		Solving problems	• Begins to identify own mathematical problems based on own interests and fascinations	N 24	211
3	Shape, space & measures	Measures (time)	• Orders and sequences familiar events	SSM 11	324
			• Measures short periods of time in simple ways	SSM 12	330
			• Uses everyday language to talk about time to compare and to solve problems	SSM 16	355

Block 11 Numbers – Solving problems (counts in 2s, 5s & 10s) Numbers – Solving problems (grouping) Shape, space & measures – Measures (money)				Choose 'Adult-led' and 'Explore and play' activities from:	
Week	EYFS Aspect of learning	Busy Ant Maths F Topic(s)	40 – 60+ months Early years outcome / Early learning goal	Busy Ant Maths F	
				Unit	Teacher's Guide
1	Numbers	Solving problems (counts in 2s, 5s & 10s)	• Counts in 2s, 5s & 10s **	N 26	225
2	Numbers	Solving problems (grouping)	• Solves problems involving grouping **	N 27	235
3	Shape, space & measures	Measures (money)	• Uses everyday language to talk about money to compare quantities and objects to solve problems	SSM 17	361

Block 12 Numbers – Counting & recognising numbers Numbers – Solving problems (sharing) Shape, space & measures – Space				Choose 'Adult-led' and 'Explore and play' activities from:	
Week	EYFS Aspect of learning	Busy Ant Maths F Topic(s)	40 – 60+ months Early years outcome / Early learning goal	Busy Ant Maths F	
				Unit	Teacher's Guide
1	Numbers	Counting & recognising numbers	• <i>Recognises numerals 1 to 20</i>	N 4	57
			• <i>Records, using marks that they can interpret and explain</i>	N 5	66
			• <i>Uses the language of 'more' and 'fewer' to compare two sets of objects [to 10, then extend to 20]</i>	N 13	133
			• <i>Counts reliably with numbers from one to 20</i>	N 14	141
			• <i>Places numbers one to 20 in order</i>	N 15	148
2	Numbers	Solving problems (sharing)	• <i>Solves problems involving sharing</i>	N 28	244
3	Shape, space & measures	Space	• <i>Can describe their relative position such as 'behind' or 'next to'</i>	SSM 5	288
			• <i>Uses everyday language to talk about position, distance (and direction) to compare objects and to solve problems</i>	SSM 6	294
			• <i>Uses everyday language to talk about distance to compare objects and to solve problems</i>	SSM 7	301