	Progression Step 1 - K		
		Knowledge and	
ements of what matters	Descriptions of learning	Online Lesson, Printable Problem Solving	
	I have experienced and explored numbers, including cardinal, ordinal and nominal numbers, in number-rich indoor and outdoor environments.	1, 2, 3, 5, 7, 10, 11, 12, 14, 50, 63	
	I can notice, recognise and write numbers in a range of media, through a multisensory approach, from 0 to 10 and beyond.		
	I can use mathematical language to describe quantities, and to make estimates and comparisons such as 'more than', 'less than' and 'equal to'.	22	
	I have experienced the counting sequence of numbers in different ways, reciting forwards and backwards, and starting at different points.	1, 2, 3, 5, 7, 10, 11, 12, 14, 41, 43, 45, 46	
number system is used present and compare ionships between bers and quantities	I can use my experience of the counting sequence of numbers and of one-to-one correspondence to count sets reliably. I can count objects that I can touch, and ones that I cannot.		
	I have explored forming a quantity in different ways, using combinations of objects or quantities.	24 25 20 21 22 24 26 4	
		24, 20, 00, 01, 32, 34, 30, 4	

Progression Step 1 – K		Mathseeds Lesson #			Additional Mathseeds Resources		
		Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment	
Statements of what matters	Descriptions of learning	Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz	Critical Thinking and Problem Solving Interactives	Driving Tests (DT) Mental Minute (MM)	Printable Achievement Standards Assessment	
	I have experienced and explored numbers, including cardinal, ordinal and nominal numbers, in number-rich indoor and outdoor environments.	1, 2, 3, 5, 7, 10, 11, 12, 14, 16, 17, 18, 19, 20, 21, 25, 28, 33, 50, 63		19	DT Kindergarten Number	Kindergarten Number	
	I can notice, recognise and write numbers in a range of media, through a multisensory approach, from 0 to 10 and beyond.				1-10, 24, 23	Iest o	
	I can use mathematical language to describe quantities, and to make estimates and comparisons such as 'more than', 'less than' and 'equal to'.	22		41	DT Kindergarten Number 8, 20	Kindergarten Number Test 3	
	I have experienced the counting sequence of numbers in different ways, reciting forwards and backwards, and starting at different points.	1, 2, 3, 5, 7, 10, 11, 12, 14, 16, 17, 18, 19, 20, 21, 22, 25, 28, 41, 43, 45, 46		12 10 41 42 46	DT Kindergarten Number	Kindergarten Number	
to represent and compare relationships between numbers and quantities	I can use my experience of the counting sequence of numbers and of one-to-one correspondence to count sets reliably. I can count objects that I can touch, and ones that I cannot.			12, 15, 41, 45, 40	1-25	Tests 1, 2, 4	
	I have explored forming a quantity in different ways, using combinations of objects or quantities.	24, 25, 30, 31, 32, 34, 36, 40, 47, 49, 50 30, 3		30, 31, 34, 36, 40, 47	DT Kindergarten Operations 1-25 MM Addition Sprints MM Subtraction Sprints	Kindergarten Operations	
	I can communicate how sets change when objects are added to and taken away from them.					lests 1-4	
	I have experienced grouping and sharing with objects and quantities, and I can group or share small quantities into equal-sized groups.				DT Kindergarten Operations 8, 20, 21		
	I have used money, and the language of money, in play and real-life situations and I can understand that I need to exchange money for items.					Kindergarten Number Test 5	
Algebra uses symbol systems	I am beginning to recognise, copy, extend and generalise patterns and sequences around me.	27, 37		6, 8, 15, 23, 27, 37	DT Kindergarten Patterns 1-9	Kindergarten Number Test 6	
mathematical relationships	I am beginning to demonstrate, using objects, an understanding of the concepts of 'equal' and 'not equal'.						
	I can understand and apply the language of time in relation to my daily life.	39, 42			DT Kindergarten Measurement 1, 4, 13, 14, 17-19	Kindergarten Measurement Tests 6, 7	
Geometry focuses on	I have used a variety of objects to measure. I am beginning to understand the need to repeat the same physical unit without any gaps when measuring.	13, 26, 29, 38, 55, 73		38	DT Kindergarten Measurement	Kindergarten Measurement	
shapes, space and position, and measurement focuses on quantifying phenomena	I can make estimates and comparisons with measures, such as 'shorter than', 'heavier than'.			50	2, 3, 5-12, 15, 16, 20	Tests 1-5	
in the physical world	I have explored, compared, and used the general language of shapes through investigative play.	4, 6, 8, 9, 15, 23, 35, 44			DT Kindergarten Geometry 1-8, 12, 15-23	Kindergarten Geometry Tests 1-4	
	I have explored movements and directions and I am beginning to use mathematical language to describe position.				DT Kindergarten Geometry 9-11, 13, 14	Kindergarten Geometry Tests 5, 6	
Statistics convocant data	I can investigate, collect and record data found in my environment.						
probability models chance, and both support informed inferences and decisions	I can group sets into categories and I am beginning to communicate the rule(s) I have used.				DT Kindergarten Data 1-10	Kindergarten Data Tests 1, 2	
	I am beginning to represent and interpret data, using a range of methods.		9				



Mathseeds Lesson #

Progression Step 2 - Y1

Frogression step 2 - Tr		Knowledge and Skills Assessment		Higher Order Thinking Skills	
Statements of what matters	Descriptions of learning	Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz	Critical Thinking and Problem Solving Interactives	
	I can read, write and interpret larger numbers, up to at least 1000, using digits and words. I can understand that the value of a number can be determined by the position of the digits.	41, 43, 45, 46, 48, 56, 60, 63, 67, 75, 81, 86		41, 43, 46, 60, 81	
	I have engaged in practical tasks to estimate and round numbers to the nearest 10 and 100.			67	
The number system is used	I can order and sequence numbers, including odd and even numbers, and I can count on and back in step sizes of any whole number and simple unit fractions.	56, 60, 61, 66, 67, 75, 81, 86		56, 75	
relationships between numbers and quantities	I have explored additive relationships, using a range of representations. I can add and subtract whole numbers, using a variety of written and mental methods.	51, 53, 58, 65, 68, 72, 85, 88, 91, 95, 96, 98, 100		51, 53, 65, 68, 76, 85, 88, 91, 95, 96, 98, 100	DT MI MI
	I can use my understanding of multiplication to recall some multiplication facts and tables starting with tables 2, 3, 4, 5 and 10 and I can use the term 'multiples'.	72		72	
	I have explored and can use my understanding of multiplicative relationships to multiply and divide whole numbers, using a range of representations, including sharing, grouping and arrays.	71, 74		71, 74	
	I can understand the equivalence and value of coins and notes to make appropriate transactions in role play.	64, 83, 92		83	DT 3, !
	I have explored patterns of numbers and shape. I can recognise, copy and generate sequences of numbers and visual patterns.	77, 79, 90		63, 77, 79	
Algebra uses symbol systems to express the structure of mathematical relationships	I can use the equals sign to indicate that both sides of a number sentence have the same value and I can use inequality signs when comparing quantities to indicate 'more than' and 'less than'. I can find missing numbers when number bonds and multiplication facts are not complete.	51, 76			DT DT 8, 1
	I have explored commutativity with addition and multiplication and I can recognise when two different numerical expressions describe the same situation but are written in different ways.	93		93	
	I am beginning to tell the time using a variety of devices. I have explored and used different ways of showing the passing of time, including calendars, timelines, simple timetables and schedules.	54, 70, 87		87	DT 1, 8
	I have explored measuring, using counting, measuring equipment and calculating, and I can choose the most appropriate method to measure.	59, 84, 89		59	DT
Geometry focuses on relationships involving shapes, space and position,	I can estimate and measure, using non-standard units, before progressing onto standard units.			55	
and measurement focuses on quantifying phenomena in the physical world	I have explored two-dimensional and three-dimensional shapes and their properties in a range of contexts.	52, 62, 69, 99		52, 62, 69	
	I can describe and quantify the position of objects in relation to other objects.	57, 78, 94		57, 78, 94	
	I have explored the concept of rotation and I am beginning to use simple fractions of a complete rotation to describe turns.	94			
	I can collect and organise data to ask and answer questions in relevant situations. I can sort and classify using more than one criterion.				
Statistics represent data, probability models chance, and both support informed inferences and decisions	I am beginning to record and represent data in a variety of ways, including the use of tally charts, frequency tables and block graphs, when appropriate axes and scales are provided.	80, 97		80	DT 1-4
incremes and decisions	I am beginning to interpret and analyse simple graphs, charts and data. I can explain my findings and I am beginning to evaluate how well my method worked.				





Additional Mathseeds Resources Fluency Assessment Driving Tests (DT) **Printable Achievement** Mental Minute (MM) Standards Assessment Year 1 Number and Algebra: Whole Numbers Tests 2-9 Grade 1 Number 1-24 Year 1 Number and Algebra: Place Value Tests 1-5 Year 1 Number and Algebra: Whole Grade 1 Number 3, 4, 6, 11, 13-16, 20, 21, 23 Numbers Tests 1, 3-5, 7-9 Year 1 Number and Algebra: Grade 1 Patterns and Fractions and Money Tests 1-3, 7 actions 3, 5, 6, 11 Year 1 Number and Algebra: Grade 1 Operations 1-20 **Operations** Tests 1-6 M Addition Sprints Year 1 Number and Algebra: Place M Subtraction Sprints Value Test 6 **M** Multiplication Sprints M Division Sprints Grade 1 Measurement Year 1 Number and Algebra: 5-7, 12 Fractions and Money Tests 4-8 Grade 1 Patterns and Year 1 Number and Algebra: actions Patterns 2, 4, 7-10, 12 Tests 1-7 Grade 1 Number 7, 18 Year 1 Number and Algebra: Grade 1 Operations **Operations** Test 6 10-12, 16 Grade 1 Measurement Year 1 Measurement: Time Tests 1-6 8-10, 15, 16 Grade 1 Measurement Year 1 Measurement: Length and 4, 11, 13, 14, 17-19 Capacity Tests 1-7 Grade 1 Geometry Year 1 Geometry: Shape Tests 1-6 3, 6-10, 13, 17-19 Grade 1 Geometry Year 1 Geometry: Shape Tests 7, 8 5, 11, 12, 14-16

Grade 1 Data , 9, 10, 12-16

1 Standing

Year 1 Statistics: Data Tests 1-5

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	Progression Step 2 - Y2	Mathseeds Lesson #		n #	Additional Mathseeds Resources		
		Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment	
Statements of what matters	Descriptions of learning	Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz	Critical Thinking and Problem Solving Interactives	Driving Tests (DT) Mental Minute (MM)	Printable Achievement Standards Assessment	
The number system is used to represent and compare relationships between numbers and quantities	I can read, write and interpret larger numbers, up to at least 1000, using digits and words.	- 101, 105, 106				Year 2 Number and Algebra:	
	I can understand that the value of a number can be determined by the position of the digits.			105, 106	DI Year 2 Number 1-24	Numbers to 1000 Tests 1-7	
	I have engaged in practical tasks to estimate and round numbers to the nearest 10 and 100.	129					
	I am beginning to estimate and check the accuracy of my answers, using inverse operations when appropriate.						
	I can order and sequence numbers, including odd and even numbers, and I can count on and back in step sizes of any whole number and simple unit fractions.	101, 106, 108, 132		108, 132	DT Year 2 Number 2, 3, 10, 12,13 DT Year 2 Operations 3 DT Year 2 Patterns and Fractions 5, 11, 12, 14-17	Year 2 Number and Algebra: Fractions and Money Tests 1-4	
	I have explored additive relationships, using a range of representations. I can add and subtract whole numbers, using a variety of written and mental methods.	103, 110, 118, 120, 124, 128, 131, 134, 139, 140, 141, 144, 146, 147, 148, 150		110, 118, 120, 124, 128, 131, 134, 139, 141, 144, 146, 148, 150	DT Year 2 Operations 1-5, 7-10, 13-18, 20-28 MM Addition Sprints MM Subtraction Sprints	Year 2 Number and Algebra: Addition and Subtraction Tests 1-8	
	I can use my understanding of multiplication to recall some multiplication facts and tables starting with tables 2, 3, 4, 5 and 10 and I can use the term 'multiples'.	115			MM Multiplication Sprints MM Division Sprints Vear 2 Number and Algebra: 6		
	I have explored and can use my understanding of multiplicative relationships to multiply and divide whole numbers, using a range of representations, including sharing, grouping and arrays.	111, 113, 115, 130, 136, 138		113, 115, 130, 136	DT Year 2 Operations 6, 8-12, 19 Groups Tests 1-5 MM Multiplication Sprints MM Division Sprints		
	I can understand the equivalence and value of coins and notes to make appropriate transactions in role play.	125, 147		125, 147	DT Year 2 Measurement 12	Year 2 Number and Algebra: Fractions and Money Tests 5-8	
Algebra uses symbol systems to express the	I have explored patterns of numbers and shape. I can recognise, copy and generate sequences of numbers and visual patterns.	102, 117, 133, 137, 140		101, 102, 117, 133, 137	DT Year 2 Geometry 12 DT Year 2 Patterns and Fractions 1-4, 6, 10, 13	Year 2 Number and Algebra: Number Patterns Tests 1-8 Year 2 Geometry: Shape and Movement Tests 6, 7	
structure of mathematical relationships	I can use the equals sign to indicate that both sides of a number sentence have the same value and I can use inequality signs when comparing quantities to indicate 'more than' and 'less than'. I can find missing numbers when number bonds and multiplication facts are not complete.	115, 122, 131, 142		142	DT Year 2 Number 14, 15 DT Year 2 Operations 20, 26	Year 2 Number and Algebra: Addition and Subtraction Test 4 Year 2 Number and Algebra: Numbers to 1000 Test 6	
	I am beginning to tell the time using a variety of devices. I have explored and used different ways of showing the passing of time, including calendars, timelines, simple timetables and schedules.	109, 114, 123, 127		109	DT Year 2 Measurement 1-5, 7, 10, 14, 16, 20	Year 2 Measurement: Time Tests 1-5	
Geometry focuses on	I have explored measuring, using counting, measuring equipment and calculating, and I can choose the most appropriate method to measure.	104, 112, 116, 126, 135, 140, 143, 149		104 135 141 149	DT Year 2 Measurement	Year 2 Measurement: Informal	
Geometry focuses on relationships involving shapes, space and position,	I can estimate and measure, using non-standard units, before progressing onto standard units.			104, 133, 141, 143	6, 8, 9, 11, 13, 15, 17-19, 21-24	Units Tests 1-8	
and measurement focuses on quantifying phenomena in the physical world	I have explored two-dimensional and three-dimensional shapes and their properties in a range of contexts.	119, 121, 140, 145		119, 121, 140, 145	DT Year 2 Geometry 3-7, 10	Year 2 Geometry: Shape and Movement Tests 1-5	
	I can describe and quantify the position of objects in relation to other objects.				DT Year 2 Geometry	Year 2 Geometry: Shape and	
	I have explored the concept of rotation and I am beginning to use simple fractions of a complete rotation to describe turns.	102		102	1, 2, 8, 9, 11, 13	Movement Test 8	
Statistics remains to be	I can collect and organise data to ask and answer questions in relevant situations. I can sort and classify using more than one criterion.						
probability models chance, and both support informed inferences and decisions	I am beginning to record and represent data in a variety of ways, including the use of tally charts, frequency tables and block graphs, when appropriate axes and scales are provided.	140, 143		143	DT Year 2 Data and Chance 1, 4, 5, 7-14	Year 2 Statistics: Data Tests 1-6	
	I am beginning to interpret and analyse simple graphs, charts and data. I can explain my findings and I am beginning to evaluate how well my method worked.						





Progression Step 3 - Y3

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			Knowledge and Skills	Assessment	Higher Order Thi
	Statements of what matters	Descriptions of learning	Online Lesson, Printable Resources, E & Problem Solving Tasks	End-of-lesson Quiz	Critical Thinking a Solving Inter
The number s to represent a relationships numbers and		I can use a range of representations to develop and secure my understanding that the value of a digit is related to its position. I can read, record and interpret numbers, using figures and words up to at least one million.	151, 156, 161, 166		151, 156, 161
		I can use a range of representations to extend my understanding of the number system to include negative values, decimals and fractions. I can accurately place integers, decimals and fractional quantities on a number line. I can apply my understanding of number value to round and approximate appropriately.	151, 156, 160, 175, 180, 191, 194, 197		161, 180, 194, 197
	The number system is used	I can verify calculations and statements about number by inverse reasoning and approximation methods.	163, 199		
	to represent and compare relationships between	I can use the four arithmetic operations confidently, efficiently and accurately with integers and decimals, and I can combine these using distributive, associative and commutative laws where appropriate.	155, 158, 163, 165, 166, 168, 170, 171, 173, 176, 178, 181, 183, 186, 188, 190, 193, 195, 196, 199		168, 170, 173, 176, 188, 191, 193, 196
	numbers and quantities	I have extended my understanding of multiplicative reasoning to include the concept and application of ratio, proportion and scale.			175
		I can fluently recall multiplication facts up to at least 10 x 10 and use these to derive related facts.	155, 158, 165, 171, 176, 181, 190, 199		181, 199
		I can demonstrate an understanding of income and expenditure, and I can apply calculations to explore profit and loss.	159		159, 188
		I can explore and create patterns of numbers and shapes. I can explain numerical sequences and spatial patterns in words and by generalising them.	153, 195		195
Al to	Algebra uses symbol systems to express the structure of mathematical relationships	I can use commutativity, distributivity and associativity to explore equality and inequality of expressions.	158, 163, 171, 176		161
		I can model problems, using expressions and equations involving symbols or words to represent unknown values, adopting the conventions of algebra. I can use inverse operations to find unknown values in simple equations.	165, 171		
		I can read analogue and digital clocks accurately and I can make interpretations and perform calculations involving time.	162, 179, 185, 189		179, 185, 189
		I can estimate and measure length, capacity, mass, temperature and time, using appropriate standard units.	154, 172, 182, 198		154, 172, 182
		I can convert between standard units, including applying my understanding of place value to convert between metric units.	182		
	Geometry focuses on relationships involving	I can explore and consolidate my understanding of the properties of two-dimensional shapes to include the number of sides and symmetry.	152, 184		
	shapes, space and position, and measurement focuses	I can explore vertices, edges and faces of three-dimensional shapes and I can use these characteristics to describe a three- dimensional shape.	100		
	on quantifying phenomena in the physical world	I can relate a three-dimensional shape to its two-dimensional nets.	109		
		I can use efficient methods for finding the perimeter and area of two-dimensional shapes, understanding how basic formulae are derived.	157, 192, 200		200
		I have developed an understanding of the ways in which co-ordinates are used to solve problems involving position, length and shape.	164		
		I can demonstrate my understanding of angle as a measure of rotation and I can recognise, name and describe types of angles.	177		
		I can collect different types of data to answer a variety of questions that have been posed, demonstrating an understanding of the importance of collecting relevant data.	174, 187, 198		
	Statistics represent data.	I can represent information by creating a variety of appropriate charts of increasing complexity, including tally charts, frequency tables, bar graphs and line graphs.			107
probat and bo inferer	probability models chance, and both support informed	I can use different scales to extract and interpret information from a range of diagrams, tables and graphs, including pie charts with simple fractions and proportions. I can recognise any trends that are seen.			187
	inferences and decisions	I can find and use the mean of a simple set of data to explain how the statistics do, or do not, support an argument. I can recognise how anomalies affect the mean.			
		I can explore outcomes and chance, using appropriate language, and I am beginning to use numerical values to represent probability.	82, 107, 167		82
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Mathseeds Lesson #

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Additional Mathseeds Resources nking Skills Fluency Assessment and Problem Driving Tests (DT) **Printable Achievement** Mental Minute (MM) actives **Standards Assessment** 178, 183, 186, 0