

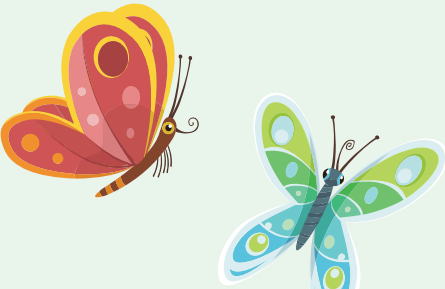


Scottish Curriculum for Excellence: Numeracy and mathematics



EARLY (P1)



Area	Experiences	Outcomes	Code	Mathseeds Lesson #			Additional Mathseeds Resources	
				Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
				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
Number, money and measure	Estimation	I am developing a sense of size and amount by observing, exploring, using and communicating with others about things in the world around me.	MNU 0-01a	1, 2, 3, 5, 7, 10, 11, 12, 14, 16, 17, 18, 19, 20, 21, 22, 25, 28, 33, 41, 43, 45, 46, 48, 50			DT Kindergarten Number 1-25	Kindergarten Number Tests 1-6
		I have explored numbers, understanding that they represent quantities, and I can use them to count, create sequences and describe order.	MNU 0-02a					
	Number and number processes	I use practical materials and can 'count on and back' to help me to understand addition and subtraction, recording my ideas and solutions in different ways.	MNU 0-03a	21, 24, 25, 30, 31, 32, 34, 36, 40, 47, 49, 50		12, 19, 30, 31, 34, 36, 40, 41, 43, 46, 47	DT Kindergarten Operations 1-7, 9-20, 22-25 MM Addition Sprints MM Subtraction Sprints MM Multiplication Sprints MM Division Sprints	Kindergarten Operations Tests 1-4
	Fractions, decimal fractions and percentages.	I can share out a group of items by making smaller groups and can split a whole object into smaller parts.	MNU 0-07a					
	Money	I am developing my awareness of how money is used and can recognise and use a range of coins.	MNU 0-09a					Kindergarten Number Test 5
	Time	I am aware of how routines and events in my world link with times and seasons, and have explored ways to record and display these using clocks, calendars and other methods.	MNU 0-10a	39, 42		37	DT Kindergarten Measurement 1, 4, 13, 14, 17-19	Kindergarten Measurement Tests 6, 7
	Measurement	I have experimented with everyday items as units of measure to investigate and compare sizes and amounts in my environment, sharing my findings with others.	MNU 0-11a	13, 26, 29, 38		38	DT Kindergarten Measurement 2, 3, 5-12, 15, 16, 20	Kindergarten Measurement Tests 1-5
	Patterns and relationships	I have spotted and explored patterns in my own and the wider environment and can copy and continue these and create my own patterns.	MTH 0-13a	27, 37		6, 8, 15, 23, 27	DT Kindergarten Patterns 1-9	Kindergarten Number Test 6
Shape, position and movement	Properties of 2D shapes and 3D objects	I enjoy investigating objects and shapes and can sort, describe and be creative with them.	MTH 0-16a	4, 6, 8, 9, 15, 23, 35, 44		6, 8, 15, 23, 27	DT Kindergarten Geometry 1-8, 12, 15-23	Kindergarten Geometry Tests 1-4
	Angle, symmetry and transformation	In movement, games, and using technology I can use simple directions and describe positions.	MTH 0-17a				DT Kindergarten Geometry 9-11, 13, 14	Kindergarten Geometry Tests 5, 6
Information handling	Data and analysis	I can collect objects and ask questions to gather information, organising and displaying my findings in different ways.	MNU 0-20a				DT Kindergarten Data 1-10	Kindergarten Data Tests 1, 2
		I can match objects and sort using my own and others' criteria, sharing my ideas with others.	MNU 0-20b					
		I can use the signs and charts around me for information, helping me plan and make choices and decisions in my daily life.	MNU 0-20c					




Scottish Curriculum for Excellence: Numeracy and mathematics



FIRST (P2)



Area	Experiences	Oucomes	Code	Mathseeds Lesson #			Additional Mathseeds Resources	
				Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Number, money and measure	Estimation	I am developing a sense of size and amount by observing, exploring, using and communicating with others about things in the world around me.	MNU 0-01a	1, 2, 3, 5, 7, 10, 11, 12, 14, 16, 17, 18, 19, 20, 21, 22, 25, 28, 33, 41, 43, 45, 46, 48, 50			DT Kindergarten Number 1-25	Kindergarten Number Tests 1-6
		I have explored numbers, understanding that they represent quantities, and I can use them to count, create sequences and describe order.	MNU 0-02a					
	Number and number processes	I use practical materials and can 'count on and back' to help me to understand addition and subtraction, recording my ideas and solutions in different ways.	MNU 0-03a	21, 24, 25, 30, 31, 32, 34, 36, 40, 47, 49, 50		12, 19, 30, 31, 34, 36, 40, 41, 43, 46, 47	DT Kindergarten Operations 1-7, 9-20, 22-25 MM Addition Sprints MM Subtraction Sprints MM Multiplication Sprints MM Division Sprints	Kindergarten Operations Tests 1-4
	Fractions, decimal fractions and percentages.	I can share out a group of items by making smaller groups and can split a whole object into smaller parts.	MNU 0-07a	71, 74, 111			DT Kindergarten Operations 8, 21	
	Money	I am developing my awareness of how money is used and can recognise and use a range of coins.	MNU 0-09a					Kindergarten Number Test 5
	Time	I am aware of how routines and events in my world link with times and seasons, and have explored ways to record and display these using clocks, calendars and other methods.	MNU 0-10a	39, 42		37	DT Kindergarten Measurement 1, 4, 13, 14, 17-19	Kindergarten Measurement Tests 6, 7
	Measurement	I have experimented with everyday items as units of measure to investigate and compare sizes and amounts in my environment, sharing my findings with others.	MNU 0-11a	13, 26, 29, 38		38	DT Kindergarten Measurement 2, 3, 5-12, 15, 16, 20	Kindergarten Measurement Tests 1-5
Shape, position and movement	Patterns and relationships	I have spotted and explored patterns in my own and the wider environment and can copy and continue these and create my own patterns.	MTH 0-13a	27, 37		6, 8, 15, 23, 27	DT Kindergarten Patterns 1-9	Kindergarten Number Test 6
	Properties of 2D shapes and 3D objects	I enjoy investigating objects and shapes and can sort, describe and be creative with them.	MTH 0-16a	4, 6, 8, 9, 15, 23, 35, 44		6, 8, 15, 23, 27	DT Kindergarten Geometry 1-8, 12, 15-23	Kindergarten Geometry Tests 1-4
Information handling	Angle, symmetry and transformation	In movement, games, and using technology I can use simple directions and describe positions.	MTH 0-17a				DT Kindergarten Geometry 9-11, 13, 14	Kindergarten Geometry Tests 5, 6
	Data and analysis	I can collect objects and ask questions to gather information, organising and displaying my findings in different ways.	MNU 0-20a				DT Kindergarten Data 1-10	Kindergarten Data Tests 1, 2
		I can match objects and sort using my own and others' criteria, sharing my ideas with others.	MNU 0-20b					
		I can use the signs and charts around me for information, helping me plan and make choices and decisions in my daily life.	MNU 0-20c					



Scottish Curriculum for Excellence: Numeracy and mathematics



FIRST (P3)



				Mathseeds Lesson #			Additional Mathseeds Resources	
				Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Area	Experiences	Outcomes	Code	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
Number, money and measure	Estimation	I am developing a sense of size and amount by observing, exploring, using and communicating with others about things in the world around me.	MNU 0-01a	1, 2, 3, 5, 7, 10, 11, 12, 14, 16, 17, 18, 19, 20, 21, 22, 25, 28, 33, 41, 43, 45, 46, 48, 50			DT Kindergarten Number 1-25	Kindergarten Number Tests 1-6
		I have explored numbers, understanding that they represent quantities, and I can use them to count, create sequences and describe order.	MNU 0-02a					
	Number and number processes	I use practical materials and can 'count on and back' to help me to understand addition and subtraction, recording my ideas and solutions in different ways.	MNU 0-03a	21, 24, 25, 30, 31, 32, 34, 36, 40, 47, 49, 50		12, 19, 30, 31, 34, 36, 40, 41, 43, 46, 47	DT Kindergarten Operations 1-7, 9-20, 22-25 MM Addition Sprints MM Subtraction Sprints MM Multiplication Sprints MM Division Sprints	Kindergarten Operations Tests 1-4
	Fractions, decimal fractions and percentages.	I can share out a group of items by making smaller groups and can split a whole object into smaller parts.	MNU 0-07a				DT Kindergarten Operations 8, 21	
	Money	I am developing my awareness of how money is used and can recognise and use a range of coins.	MNU 0-09a					Kindergarten Number Test 5
	Time	I am aware of how routines and events in my world link with times and seasons, and have explored ways to record and display these using clocks, calendars and other methods.	MNU 0-10a	39, 42		37	DT Kindergarten Measurement 1, 4, 13, 14, 17-19	Kindergarten Measurement Tests 6, 7
	Measurement	I have experimented with everyday items as units of measure to investigate and compare sizes and amounts in my environment, sharing my findings with others.	MNU 0-11a	13, 26, 29, 38		38	DT Kindergarten Measurement 2, 3, 5-12, 15, 16, 20	Kindergarten Measurement Tests 1-5
	Patterns and relationships	I have spotted and explored patterns in my own and the wider environment and can copy and continue these and create my own patterns.	MTH 0-13a	27, 37		6, 8, 15, 23, 27	DT Kindergarten Patterns 1-9	Kindergarten Number Test 6
Shape, position and movement	Properties of 2D shapes and 3D objects	I enjoy investigating objects and shapes and can sort, describe and be creative with them.	MTH 0-16a	4, 6, 8, 9, 15, 23, 35, 44		6, 8, 15, 23, 27	DT Kindergarten Geometry 1-8, 12, 15-23	Kindergarten Geometry Tests 1-4
	Angle, symmetry and transformation	In movement, games, and using technology I can use simple directions and describe positions.	MTH 0-17a				DT Kindergarten Geometry 9-11, 13, 14	Kindergarten Geometry Tests 5, 6
Information handling	Data and analysis	I can collect objects and ask questions to gather information, organising and displaying my findings in different ways.	MNU 0-20a				DT Kindergarten Data 1-10	Kindergarten Data Tests 1, 2
		I can match objects and sort using my own and others' criteria, sharing my ideas with others.	MNU 0-20b					
		I can use the signs and charts around me for information, helping me plan and make choices and decisions in my daily life.	MNU 0-20c					





Scottish Curriculum for Excellence: Numeracy and mathematics



FIRST (P4)



				Mathseeds Lesson #			Additional Mathseeds Resources	
Area	Experiences	Outcomes	Code	Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
				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
Number, money and measure	Estimation and rounding	I can share ideas with others to develop ways of estimating the answer to a calculation or problem, work out the actual answer, then check my solution by comparing it with the estimate.	MNU 1-01a	194		194		
	Number and number processes	I have investigated how whole numbers are constructed, can understand the importance of zero within the system and can use my knowledge to explain the link between a digit, its place and its value.	MNU 1-02a	151, 156, 161, 165, 166		151, 156, 161		
		I can use addition, subtraction, multiplication and division when solving problems, making best use of the mental strategies and written skills I have developed.	MNU 1-03a	155, 158, 166, 168, 170, 171, 173, 176, 178, 183, 186, 188, 193, 196		168, 170, 173, 176, 178, 183, 186, 188, 193, 196, 199		
	Fractions, decimal fractions and percentages	I can show my understanding of: how a single item can be shared equally, the notation and vocabulary associated with fractions, where simple fractions lie on the number line.	MNU 1-07a	160, 175, 180, 191, 197		175, 180, 191, 197		
		I can find a fraction of an amount by applying my knowledge of division.	MNU 1-07b	175, 191				
		I can demonstrate my understanding of simple fractions which are equivalent.	MTH 1-07c	160, 175, 180, 191		175, 180		
	Money	I can use money to pay for items and can work out how much change I should receive.	MNU 1-09a					
		I have investigated how different combinations of coins and notes can be used to pay for goods or be given in change.	MNU 1-09b	159		159		
	Time	I can tell the time using 12 hour clocks, realising there is a link with 24 hour notation, explain how it impacts on my daily routine and ensure that I am organised and ready for events throughout my day.	MNU 1-10a	162, 179, 185		185		
		I have begun to develop a sense of how long tasks take by measuring the time taken to complete a range of activities using a variety of timers.	MNU 1-10c	162, 179, 189		179, 189		
	Measurement	I can estimate how long an object is using everyday things as a guide, then measure using appropriate instruments and units.	MNU 1-11a	182, 192, 198		182, 187		
		I can estimate how heavy an object is using everyday things as a guide, then weigh it using appropriate instruments and units.		172		172		
		I can estimate what amount an object holds using everyday things as a guide, then measure using appropriate instruments and units.		154		154		
		I can estimate the area of a shape by counting squares or other methods.	MNU 1-11b	157, 200		200		
		I can recognise and continue simple number sequences and can explain the rule I have applied.	MTH 1-13b	153, 195		153, 195		
	Expressions and equations	I can compare, describe and show number relationships, using appropriate vocabulary and the symbols for equals, not equal to, less than and greater than.	MTH 1-15a	151, 156				
		When a picture or symbol is used to replace a number in a number statement, I can find its value using my knowledge of number facts and explain my thinking to others.	MTH 1-15b	163, 173, 181, 190, 199		163		
Shape, position and movement	Properties of 2D shapes and 3D objects	I have explored simple 3D objects and 2D shapes and can identify, name and describe their features using appropriate vocabulary.	MTH 1-16a	169, 184				
		I can explore and discuss how and why different shapes fit together and create a tiling pattern with them.	MTH 1-16b	152				
	Angle, symmetry and transformation	I can describe, follow and record routes and journeys using signs, words and angles associated with direction and turning.	MTH 1-17a	164, 177				
		I have developed an awareness of where grid reference systems are used in everyday contexts and can use them to locate and describe position.	MTH 1-18a	164				
Information handling	Data and analysis	I have explored a variety of ways in which data is presented and can ask and answer questions about the information it contains.	MNU 1-20a					
		I have used a range of ways to collect information and can sort it in a logical, organised and imaginative way using my own and others' criteria.	MNU 1-20b	174, 187, 198		187		
		I can display data simply, clearly and accurately by creating tables, charts and diagrams, using simple labelling and scale.	MTH 1-21a					
	Ideas of chance and uncertainty	I can use appropriate vocabulary to describe the likelihood of events occurring, using the knowledge and experiences of myself and others to guide me.	MNU 1-22a	167				

