FOUNDATION

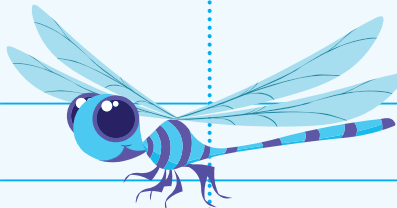| Strand	Content	Code	Mathseeds Lesson # Knowledge and Skills — Online Lesson, Printable Resources, & Problem Solving Tasks	Mathseeds Lesson # Assessment — End-of-lesson Quiz	Mathseeds Lesson # Higher Order Thinking Skills — Critical Thinking and Problem Solving Interactives	Additional Resources Fluency — Driving Tests (DT) Mental Minute (MM)	Additional Resources Assessment — Printable Achievement Standards Assessment
Number	Name, represent and order numbers, including zero to at least 20, using physical and virtual materials and numerals.	VC2MFN01	1, 2, 3, 5, 7, 10, 11, 12, 14, 16, 17, 18, 19, 20, 21, 22, 25, 28, 31, 33, 41, 43, 45, 46, 48, 50, 63	12, 19, 31, 36, 41, 43	**DT** Early Number 1-25	**Kindergarten Number** Tests 1-5
	Recognise and name the number of objects within a collection up to 5 using subitising.	VC2MFN02				
	Quantify and compare collections to at least 20 using counting and explain or demonstrate reasoning.	VC2MFN03				
	Partition and combine collections up to 10 using part-part-whole relationships and subitising to recognise and name the parts.	VC2MFN04				
	Represent practical situations, including simple financial situations, involving addition, subtraction and quantification with physical and virtual materials and use counting or subitising strategies.	VC2MFN05	24, 25, 28, 30, 31, 32, 34, 36, 40, 47, 49	30, 31, 36, 40, 41, 43, 46, 47	**DT** Early Operations 1-7, 9-20, 22-25 **MM** Addition Sprints **MM** Subtraction Sprints	**Kindergarten Operations** Test 1-4
	Represent practical situations that involve equal sharing and grouping with physical and virtual materials and use counting or subitising strategies.	VC2MFN06		12, 19, 34	**DT** Early Operations 8, 21	
Algebra	Follow a short sequence of instructions; recognise, copy, continue and create repeating patterns represented in different ways.	VC2MFA01	27, 37	6, 8, 15, 23, 27, 37	**DT** Early Patterns 1-9	**Kindergarten Number** Test 6
Measurement	Identify and compare attributes of objects and events, including length, using direct comparisons and communicating reasoning.	VC2MFM01	13, 26		**DT** Early Measurement 2, 3, 5, 6, 9, 10	**Kindergarten Measurement** Tests 1-3
	Identify and compare attributes of objects and events, including capacity, using direct comparisons and communicating reasoning.	VC2MFM01	38	38	**DT** Early Measurement 11, 15, 16, 20	**Kindergarten Measurement** Test 5
	Identify and compare attributes of objects and events, including mass, using direct comparisons and communicating reasoning.	VC2MFM01	29		**DT** Early Measurement 7, 8, 12	**Kindergarten Measurement** Test 4
	Identify and compare attributes of objects and events, including duration, using direct comparisons and communicating reasoning. Sequence days of week, and times of the day including morning, lunchtime, afternoon and night time, and connect them to familiar events and actions.	VC2MFM01 VC2MFM02	39, 42		**DT** Early Measurement 1, 4, 13, 14, 17-19	**Kindergarten Measurement** Test 6, 7
Space	Sort, name and create familiar shapes; recognise and describe familiar shapes within objects in the environment, giving reasons	VC2MFSP01	4, 6, 8, 9, 15, 23, 35, 44	6, 8, 15, 23, 27	**DT** Early Geometry 1-8, 12, 15-23	**Kindergarten Geometry** Tests 1-4
	Describe the position and location of themselves and objects in relation to other people and objects within a familiar space	VC2MFSP02			**DT** Early Geometry 9-11, 13, 14	**Kindergarten Geometry** Tests 5, 6
Statistics	Collect, sort and compare data represented by objects and images in response to given investigative questions that have only 2 outcomes and relate to familiar situations.	VC2MFST01			**DT** Early Data 1-10	**Kindergarten Data** Tests 1, 2

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LEVEL 1

Strand	Content	Code	Mathseeds Lesson # Knowledge and Skills Online Lesson, Printable Resources, & Problem Solving Tasks	Mathseeds Lesson # Assessment End-of-lesson Quiz	Mathseeds Lesson # Higher Order Thinking Skills Critical Thinking and Problem Solving Interactives	Additional Resources Fluency Driving Tests (DT) Mental Minute (MM)	Additional Resources Assessment Printable Achievement Standards Assessment
Number	Recognise, represent and order numbers to at least 120 using physical and virtual materials, numerals, number lines and charts.	VC2M1N01	56, 60, 63, 67, 75, 81, 86, 88		60, 67, 75, 81, 88	**DT** Year 1 Number 1-24 **DT** Year 1 Measurement 3, 5-7, 12	**Year 1 Number and Algebra: Whole Numbers** Tests 1-9 **Year 1 Number and Algebra: Fractions and Money** Tests 4-8
	Partition one- and two-digit numbers in different ways using physical and virtual materials, including partitioning two-digit numbers into tens and ones.	VC2M1N02					
	Quantify sets of objects, to at least 120, by partitioning collections into equal groups using number knowledge and skip counting.	VC2M1N03					
	Add and subtract numbers within 20, using physical and virtual materials, part-part-whole knowledge to 10 and a variety of calculation strategies.	VC2M1N04	51, 53, 58, 64, 65, 68, 72, 76, 83, 85, 88, 91, 92, 93, 95, 96, 98, 100		51, 53, 56, 65, 68, 72, 76, 83, 85, 91, 93, 95, 96, 98, 100	**DT** Year 1 Operations 1-20 **MM** Addition Sprints **MM** Subtraction Sprints	**Year 1 Number and Algebra: Place Value** Tests 1-6
	Use mathematical modelling to solve practical problems involving additive situations, including simple money transactions; represent the situations with diagrams, physical and virtual materials, and use calculation strategies to solve the problem.	VC2M1N05					
	Use mathematical modelling to solve practical problems involving equal sharing and grouping; represent the situations with diagrams, physical and virtual materials, and use calculations strategies to solve the problem.	VC2M1N06	71, 74		71, 74	**DT** Year 1 Patterns and Fractions 6	**Year 1 Number and Algebra: Fractions and Money** Tests 1-3, 7
Algebra	Recognise, continue and create pattern sequences, with numbers, symbols, shapes and objects including Australian coins, formed by skip counting, initially by twos, fives and tens.	VC2M1A01	77, 79, 90		63, 77, 79	**DT** Year 1 Patterns and Fractions 1, 2, 4, 7-10, 12	**Year 1 Number and Algebra: Patterns** Tests 1-7
	Recognise, continue and create repeating patterns with numbers, symbols, shapes and objects, identifying the repeating unit and recognising the importance of repetition in solving problems.	VC2M1A02					
Measurement	Compare directly and indirectly and order objects and events using attributes of length, communicating reasoning. Measure the length of shapes and objects using informal units, recognising that units need to be uniform and used end-to-end.	VC2M1M01 VC2M1M02	55, 84			**DT** Year 1 Measurement 2, 4, 13, 14	**Year 1 Measurement: Length and Capacity** Tests 1-5
	Compare directly and indirectly and order objects and events using attributes of mass, communicating reasoning.	VC2M1M01	73				
	Compare directly and indirectly and order objects and events using attributes of capacity, communicating reasoning.	VC2M1M01	89			**DT** Year 1 Measurement 11, 17-19	**Year 1 Measurement: Length and Capacity** Tests 1-5
	Compare directly and indirectly and order objects and events using attributes of duration, communicating reasoning.	VC2M1M01	54, 70, 87		87	**DT** Year 1 Measurement 1, 8 -10, 15, 16	**Year 1 Measurement: Time** Tests 1-6
	Describe the duration and sequeunce of events using years, months, weeks, days and hours.	VC2M1M03					
Space	Make, compare and classify familiar shapes; reconise familiar shapes and objects in the environment, identifying the similarities and differences between them.	VC2M1SP01	52, 59, 62, 69, 99		59, 62, 69	**DT** Year 1 Geometry 1-3, 6-10, 13, 17-19	**Year 1 Geometry: Shape** Tests 1-6
	Give and follow directions to move people and objects to different locations within a space.	VC2M1SP02	57, 78, 94		57, 78, 94	**DT** Year 1 Geometry 4, 5, 11, 12, 14-16	**Year 1 Geometry: Shape** Tests 7, 8
Statistics	Acquire and record data for categorical variables in various ways including using digital tools, objects, images, drawings, lists, tally marks and symbols.	VC2M1ST01	80, 97		80	**DT** Year 1 Data 1-4, 9, 10, 12-16	**Year 1 Statistics: Data** Tests 1-5
	Represent collected data for a categorical variable using one-to-one displays and digital tools where appropriate; compare the data using frequencies and discuss the findings.	VC2M1ST02					

LEVEL 2

Strand	Content	Code	Mathseeds Lesson #			Additional 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	Recognise, represent and order numbers to at least 1000 using physical and virtual materials, numerals and number lines.	VC2M2N01	101, 105, 106, 122, 129		101, 106	**DT** Year 2 Number 1-24 **DT** Year 2 Measurement 12	**Year 2 Number and Algebra: Numbers to 1000** Tests 1-7
	Partition, rearrange, regroup and rename two- and three- digit numbers using standard and non-standard groupings; recognise the role of a zero digit in place value notation.	VC2M2N02					**Year 2 Number and Algebra: Fractions and Money** Test 5
	Recognise and describe one-half as one of 2 equal parts of a whole and connect halves, quarters and eighths through repeated halving.	VC2M2N03	132, 138		132	**DT** Year 2 Patterns and Fractions 5, 11, 12, 14-17	**Year 2 Number and Algebra: Fractions and Money** Tests 1-4
	Add and subtract one- and two-digit numbers, representing problems using number sentences and solve using part-part-whole reasoning and a variety of calculation strategies.	VC2M2N04	103, 110, 120, 124, 125, 134, 139, 140, 148, 150		110, 120, 124, 139, 148, 150	**DT** Year 2 Operations 1, 2, 4, 5, 7, 13-18, 20-28	**Year 2 Number and Algebra: Addition and Subtraction** Tests 1-8
	Multiply and divide by one-digit numbers using repeated addition, equal grouping, arrays and partitioning to support a variety of calculation strategies.	VC2M2N05	111, 113, 115, 130, 136		115, 130, 136	**DT** Year 2 Operations 6, 8-12, 19	**Year 2 Number and Algebra: Equal Groups** Tests 1-5
	Use mathematical modelling to solve practical problems involving additive and multiplicative situations, including money transactions; represent situations and choose calculation strategies; interpret and communicate solutions in term of the situation.	VC2M2N06	103, 110, 111, 112, 113, 115, 118, 125, 130, 131, 136, 139, 141, 147, 149		104, 115, 118, 125, 130, 131, 136, 139, 141, 147, 149		**Year 2 Number and Algebra: Fractions and Money** Tests 6-8
Algebra	Recognise, describe and create additive patterns that increase or decrease by a constant amount, using numbers, shapes and objects and identify missing elements in the pattern.	VC2M2A01	117, 133, 137, 140		101, 117, 133, 137	**DT** Year 2 Patterns and Fractions 1-4, 6-10, 13	**Year 2 Number and Algebra: Number Patterns** Tests 1-8
	Recall and demonstrate proficiency with addition facts to 20; extend and apply facts to develop related subtraction facts.	VC2M2A02	120, 124, 142		142	**MM** Addition Sprints **MM** Subtraction Sprints	
	Recall and demonstrate proficiency with multiplication facts for twos; extend and apply facts to develop the related division facts using doubling and halving	VC2M2A03				**MM** Multiplication Sprints **MM** Division Sprints	
	Apply repetition in arithmetic operations, including multiplication as repeated addition and division as repeated subtraction.	VC2M2A04	113		113		
Measurement	Measure and compare objects based on length using appropriate uniform informal units and smaller units for accuracy when necessary	VC2M2M01	104, 126, 140			**DT** Year 2 Measurement 6, 9, 11, 13, 15, 19, 21-24	**Year 2 Measurement: Informal Units** Tests 1, 2, 8
	Measure and compare objects based on capacity using appropriate uniform informal units and smaller units for accuracy when necessary	VC2M2M01	116, 140			**DT** Year 2 Measurement 8	**Year 2 Measurement: Informal Units** Tests 4, 5, 8
	Measure and compare objects based on mass using appropriate uniform informal units and smaller units for accuracy when necessary	VC2M2M01	135		135	**DT** Year 2 Measurement 17, 18	**Year 2 Measurement: Informal Units** Tests 6-8
	Identify common uses and represent halves, quarters and eighths in relation to shapes, objects and events	VC2M2M02	61, 66				**Year 1 Patterns and Fractions** Tests 3, 5, 11, 13, 14
	Identify the date and determine the number of days between events using calendars.	VC2M2M03	109, 114, 123, 127		109	**DT** Year 2 Measurement 1-5, 7, 10, 14, 16, 20	**Year 2 Measurement: Time** Tests 1-5
	Recognise and read the time represented on an analog clock to the hour, half-hour and quarter-hour.	VC2M2M04					
	Identify, describe and demonstrate quarter, half, three-quarter and full measures of turn in everyday situations.	VC2M2M05	102		102	**DT** Year 2 Geometry 1, 9, 11, 12	
Space	Recognise, compare and classify shapes, referencing the number of sides and using spatial terms such as "opposite", "parallel", "curved" and "straight"	VC2M2SP01	119, 140, 145, 152, 184		119, 121, 140, 145, 184	**DT** Year 2 Geometry 3-7, 10	**Year 2 Geometry: Shape and Movement** Tests 1-7
	Locate positions in two-dimensional representations of a familiar space; move positions by following directions and pathways	VC2M2SP02				**DT** Year 2 Geometry 2, 8, 13	**Year 2 Geometry: Shape and Movement** Test 8
Statistics	Acquire data for categorical variables through surveys, observation, experiment and using digital tools; sort data into relevant categories and display data using lists and tables.	VC2M2ST01	140, 143		143	**DT** Year 2 Data 1, 4, 5, 7-14	**Year 2 Statistics: Data** Tests 1-6
	Create different graphical representations of data using software where appropriate; compare the different representations, identify and describe common and distinctive features in response to questions.	VC2M2ST02					

LEVEL 3

			Mathseeds Lesson #			Additional Resources
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency
Strand	Content	Code	Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz	Critical Thinking and Problem Solving Interactives	Driving Tests (DT) Mental Minute (MM)
Number	Identify, explain and use the properties of odd and even numbers.	VC2M3N01	108, 166		108	**DT** Year 2 Operations 3
	Recognise, represent and order natural numbers using naming and writing conventions for numerals beyond 10 000.	VC2M3N02	151, 156, 161		151, 156, 161	
	Recognise and represent unit fractions including $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$ and $\frac{1}{10}$ and their multiples in different ways; combine fractions with the same denominator to complete the whole.	VC2M3N03	160, 175, 180, 191, 197		175, 180, 191, 197	
	Add and subtract two- and three-digit numbers using place value to partition, rearrange and regroup numbers to assist in calculations without a calculator.	VC2M3N04	128, 134, 144, 146, 170, 173, 178, 195		128, 134, 144, 146, 170, 173, 178	
	Multiply and divide one- and two-digit numbers, representing problems using number sentences, diagrams and arrays, and using a variety of calculation strategies.	VC2M3N05	155, 158, 165, 168, 171, 176, 181, 186, 190, 193, 196		168, 176, 181, 186, 193	
	Estimate the quantity of objects in collections and make estimates when solving problems to determine the reasonableness of calculations.	VC2M3N06	129, 194		194	
	Recognise the relationships between dollars and cents and represent money values in different ways.	VC2M3N07	125, 159		159	
	Use mathematical modelling to solve practical problems involving additive and multiplicative situations, including financial contexts; formulate problems using number sentences and choose calculation strategies, using digital tools where appropriate; interpret and communicate solutions in terms of the situation.	VC2M3N08	157, 183, 188, 193, 195, 196, 200		183, 188, 195, 196, 200	
	Follow and create algorithms involving a sequence of steps and decisions to investigate numbers; describe any emerging patterns.	VC2M3N09	153		153	
Algebra	Recognise and explain the connection between addition and subtraction as inverse operations, apply to partition numbers and find unknown values in number sentences.	VC2M3A01	163		163	
	Extend and apply knowledge of addition and subtraction facts to 20 to develop efficient mental strategies for computation with larger numbers without a calculator.	VC2M3A02				**MM** Addition Sprints **MM** Subtraction Sprints
	Recall and demonstrate proficiency with multiplication facts for 3, 4, 5 and 10; extend and apply facts to develop the related division facts.	VC2M3A03	158, 171, 176, 199		199	**MM** Multiplication Sprints **MM** Division Sprints
Measurement	Measure and compare objects using familiar metric units of length and instruments with labelled markings. Identify which metric units are used to measure everyday items; use measurements of familiar items and known units to make estimates.	VC2M3M01 VC2M3M02	182, 192, 198		182	
	Measure and compare objects using familiar metric units of mass and instruments with labelled markings. Identify which metric units are used to measure everyday items; use measurements of familiar items and known units to make estimates.	VC2M3M01 VC2M3M02	172		172	
	Measure and compare objects using familiar metric units of capacity and instruments with labelled markings. Identify which metric units are used to measure everyday items; use measurements of familiar items and known units to make estimates.	VC2M3M01 VC2M3M02	154		154	
	Recognise and use the relationship between formal units of time, including days, hours, minutes and seconds, to estimate and compare the duration of events.	VC2M3M03	162, 179, 185, 189		179, 185, 189	
	Describe the relationship between hours and minutes on analog and digital clocks, and read the time to the nearest minutes.	VC2M3M04				
	Identify angles as measures of turn and use right angles as a reference to compare angles in everyday situations.	VC2M3M05	177			
Space	Make, compare and classify objects, identifying key features and explaining why these features make them suited to their uses.	VC2M3SP01	121, 169		121	**DT** Year 2 Geometry 3, 5
	Interpret and create two-dimensional representations of familiar environments, locating key landmarks and objects relative to each other.	VC2M3SP02	164			
Statistics	Acquire data for categorical and discrete numerical variables to address a question of interest or purpose by observing, collecting and accessing data sets; record the data using appropriate methods, including frequency tables and spreadsheets.	VC2M3ST01	174, 187, 198		187	
	Create and compare different graphical representations of data sets, including using software where appropriate; interpret the data in terms of the context.	VC2M3ST02				
	Conduct guided statistical investigations involving the collection, representation and interpretation of data for categorical and discrete numerical variables with respect to questions of interest.	VC2M3ST03				
Probability	Identify practical activities and everyday events that involve chance, and describe possible outcomes and events as 'likely' or 'unlikely' and identify some events as 'certain' or 'impossible', explaining reasoning.	VC2M3P01	82, 107, 167		82	**DT** Year 1 Data 5, 7, 8 **DT** Year 2 Data and Chance 2, 3, 6
	Conduct repeated chance experiments; identify and describe possible outcomes, record the results, and recognise and discuss the variation.	VC2M3P02				