

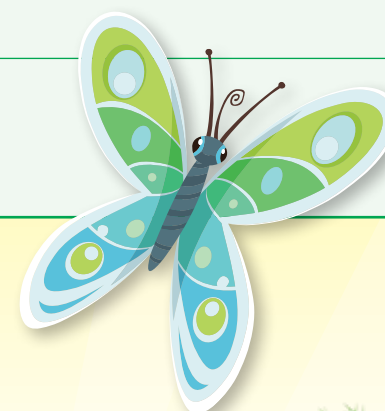


Mathseeds Lessons and Saskatchewan Curriculum



KINDERGARTEN

Domains	Outcomes	Codes	Mathseeds Lesson #			Additional Mathseeds Resources	
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
			Online Lesson and Printable Resources	End-of-lesson Quiz	Critical Thinking and Problem Solving Worksheets	Driving Tests (DT) Mental Minute (MM)	Printable Achievement Standards Assessment
Number	Say the whole number sequence by 1s starting anywhere from 0 to 10 and from 10 to 0.	NK.1	1, 2, 3, 5, 7, 18, 19, 25, 28			DT Early Number 2, 4, 5, 9–13, 16, 17, 21, 23	Kindergarten Number Tests 1, 2
	Recognize and name familiar arrangements of 1 to 5 objects. Relate a numeral, 0 to 10, to its respective quantity.	NK.2, NK.3	10, 11, 12, 14, 16, 17, 20, 21, 31, 33			DT Early Number 1, 3, 14, 15, 22	Kindergarten Number Test 2
	Represent the partitioning of whole numbers (1 to 10).	NK.4	24, 30, 32, 34, 36, 40, 47, 49			DT Early Operations 1–14, 16–20 MM Addition Sprints MM Subtraction Sprints	Kindergarten Operations Tests 1–4
	Compare quantities, 0 to 10.	NK.5	22			DT Early Number 6–8, 18–20	Kindergarten Number Test 3
Patterns and Relations	Demonstrate an understanding of repeating patterns (two or three elements) by identifying, reproducing, extending and creating patterns.	PK.1	8, 27, 37			DT Early Patterns 1–9	
Shape and Space	Use direct comparison to compare two objects based on length including height.	SSK.1	13, 26			DT Early Measurement 2, 3, 5, 6, 9, 10	Kindergarten Measurement Tests 1–3
	Use direct comparison to compare two objects based on mass.	SSK.1	29			DT Early Measurement 7, 8, 12	Kindergarten Measurement Test 4
	Use direct comparison to compare two objects based on volume or capacity.	SSK.1	38			DT Early Measurement 11, 15, 16	Kindergarten Measurement Test 5
	Sort 3-D objects using a single attribute. Describe 3-D objects.	SSK.2, SSK.3	4, 6, 9, 15, 23, 35, 44			DT Early Geometry 15–18, 21–23	Kindergarten Geometry Test 2



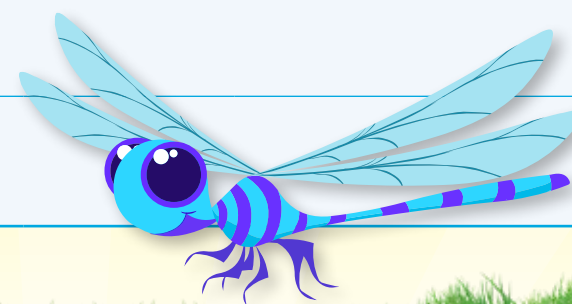


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GRADE 1

Domains	Outcomes	Codes	Mathseeds Lesson #			Additional Mathseeds Resources	
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
			Online Lesson and Printable Resources	End-of-lesson Quiz	Critical Thinking and Problem Solving Worksheets	Driving Tests (DT) Mental Minute (MM)	Printable Achievement Standards Assessment
Number	Say the number sequence, 0 to 100, by 1s forward and backward, and by 2s, 5s and 10s.	N1.1	60, 67, 75, 81, 86, 90			DT Grade 1 Number 1–4, 6, 11–14, 16, 20–21, 23 DT Grade 1 Patterns and Fractions 7–10	Grade 1 Number and Algebra: Whole Numbers Tests 1, 3–5, 7–9
	Recognize, at a glance, and name familiar arrangements of 1 to 10 objects.	N1.2					Grade 1 Number and Algebra: Whole Numbers Tests 2, 6
	Demonstrate an understanding of counting by indicating "how many", using the counting on strategy, and using parts or equal groups to count sets.	N1.3				DT Grade 1 Number 5, 9, 10, 17, 19	Grade 1 Number and Algebra: Place Value Test 4 Grade 1 Number and Algebra: Operations Tests 1, 2
	Represent and describe whole numbers to 20.	N1.4	41, 43, 45, 46, 48, 50, 63			DT Grade 1 Number 8	
	Compare sets containing up to 20 elements to solve problems.	N1.5				DT Grade 1 Number 7, 18	
	Demonstrate how whole numbers can be represented by a variety of equal groupings with and without singles.	N1.7					Grade 1 Number and Algebra: Place Value Tests 1–3
	Identify the number, up to 20, that is one more, two more, one less, and two less than a given number.	N1.8				DT Grade 1 Number 15	
	Demonstrate an understanding of addition of numbers with answers to 20 and the corresponding subtraction facts.	N1.9	51, 53, 56, 58, 65, 68, 77, 85, 93			DT Grade 1 Operations 1–5, 7–12 MM Addition Sprints MM Subtraction Sprints	Grade 1 Number and Algebra: Operations Tests 3, 4
	Describe and use mental mathematics strategies to determine basic addition facts to 18 and related subtraction facts.	N1.10	72, 91, 93, 100			DT Grade 1 Operations 6, 13–16 MM Addition Sprints MM Subtraction Sprints	Grade 1 Number and Algebra: Operations Test 5
Patterns and Relations	Demonstrate an understanding of repeating patterns (two to four elements) by describing, reproducing, extending and creating patterns. Translate repeating patterns from one form of representation to another.	P1.1, P1.2	77, 79			DT Grade 1 Patterns and Fractions 1, 2, 4	Grade 1 Number and Algebra: Patterns Tests 1–7
	Describe equality as a balance and inequality as an imbalance. Record equalities using the equal symbol.	P1.3, P1.4	76			DT Grade 1 Operations 10, 11	
Shape and Space	Demonstrate an understanding of measurement as a process of comparing by identifying attributes that can be compared, ordering objects, making statements of comparison, filling, covering, or matching.	SS1.1	55, 59, 73, 84, 89			DT Grade 1 Measurement 2, 4, 11, 13, 14, 17, 18, 19	Grade 1 Measurement: Length Tests 1–5
	Sort 3-D objects and 2-D shapes using one attribute, and explain the sorting rule. Replicate composite 2-D shapes and 3-D objects. Compare 2-D shapes to parts of 3-D objects in the environment.	SS1.2, SS1.3, SS1.4	52, 62, 69, 99			DT Grade 1 Geometry 1-3, 6–9, 10, 13, 17–19	Grade 1 Geometry: Shape Tests 1–5, 7





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GRADE 2

Domains	Outcomes	Codes	Mathseeds Lesson #			Additional Mathseeds Resources	
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Number	Demonstrate understanding of whole numbers to 100 by representing (including place value), describing, skip counting, differentiating between odd and even numbers, estimating, comparing and ordering.	N2.1	88, 108, 117, 122, 129			DT Grade 2 Operations Test 3	Grade 2 Number and Algebra: Numbers to 1000 Tests 1, 6 Grade 2 Number and Algebra: Number Patterns Tests 1–3
	Demonstrate understanding of addition (limited to 1 and 2-digit numerals) with answers to 100 and the corresponding subtraction by representing strategies for adding and subtracting, solving problems, estimating.	N2.2	95, 96, 98, 103, 110, 118, 120, 124, 128, 131, 137, 139, 142, 150			DT Grade 2 Operations Tests 1, 2, 4, 5, 9, 14–17, 20, 22, 23 MM Addition Sprints MM Subtraction Sprints	Grade 2 Number and Algebra: Addition and Subtraction Tests 1–6
Patterns and Relations	Demonstrate understanding of repeating patterns (three to five elements) by describing, representing patterns in alternate modes, extending, comparing and creating patterns.	P2.1				DT Grade 2 Geometry Test 12	
	Demonstrate understanding of increasing patterns by describing, reproducing, extending and creating patterns.	P2.2	133			DT Grade 2 Patterns and Fractions Tests 1–4, 6–10, 13	
Shape and Space	Demonstrate understanding of non-standard units for linear measurement by describing the choice and appropriate use of non-standard units, estimating, measuring, comparing and analyzing measurements.	SS2.1	141, 143			DT Grade 2 Measurement Test 6	Grade 2 Measurement: Length Tests 1, 2
	Demonstrate understanding of non-standard units for measurement of mass by describing the choice and appropriate use of non-standard units, estimating, measuring, comparing and analyzing measurements.	SS2.2	135			DT Grade 2 Measurement Tests 17, 18	
	Describe, compare, and construct 3-D objects, including cubes, spheres, cones, cylinders and pyramids. Demonstrate understanding of the relationship between 2-D shapes and 3-D objects. Describe, compare, and construct 2-D shapes, including triangles, squares, rectangles and circles.	SS2.3, SS2.4, SS2.5	102, 119, 121, 145			DT Grade 2 Geometry Tests 3–7, 10	Grade 2 Geometry: Shape Tests 1–5
Statistics and Probability	Demonstrate understanding of concrete graphs and pictographs.	SP2.1	80, 97, 143			DT Grade 2 Data and Chance 8–14	Grade 2 Statistics: Data Tests 1–5





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GRADE 3



Domains	Outcomes	Codes	Mathseeds Lesson #			Additional Mathseeds Resources
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency
			Online Lesson and Printable Resources	End-of-lesson Quiz	Critical Thinking and Problem Solving Worksheets	Mental Minute (MM)
Number	Demonstrate understanding of whole numbers to 1000 including representing (including place value), describing, estimating, comparing and ordering.	N3.1	101, 105, 106, 166, 194			
	Demonstrate understanding of addition of whole numbers with answers to 1000 and their corresponding subtractions (limited to 1, 2, and 3-digit numerals) by representing strategies for adding and subtracting, solving situational questions and estimating.	N3.2	134, 144, 146, 148, 170, 173, 178, 183			MM Addition Sprints MM Subtraction Sprints
	Demonstrate understanding of multiplication to 5 x 5 and the corresponding division statements by using repeated addition or subtraction, equal grouping, and arrays, solving situational questions, modelling and recording the process, and relating multiplication and division.	N3.3	71, 74, 111, 113, 115, 130, 136, 155, 158, 165, 168, 171, 176, 181, 186, 188, 190, 193, 196, 199			MM Multiplication Sprints MM Division Sprints
	Demonstrate understanding of fractions by representing, observing and describing situations, comparing and relating to quantity.	N3.4	61, 66, 132, 138, 160, 175, 180, 191, 197			
Patterns and Relations	Demonstrate understanding of increasing and decreasing patterns by observing and describing, extending, comparing and creating patterns.	P3.1	153, 195			
	Demonstrate understanding of equality by solving one-step addition and subtraction equations involving symbols representing an unknown quantity.	P3.2	163			
Shape and Space	Demonstrate understanding of the passage of time including relating common activities to standard and non-standard units, describing relationships between units, and solving situational questions.	SS3.1	39, 42, 54, 70, 87, 109, 114, 123, 127, 162, 179, 185, 189			
	Demonstrate understanding of measuring mass in g and kg by selecting and justifying referents for g and kg, modelling and describing the relationship between g and kg, estimating, measuring and recording mass.	SS3.2	172			
	Demonstrate understanding of linear measurement (cm and m) by selecting and justifying referents, generalizing the relationship between cm and m, estimating, measuring and recording length, width, height, and perimeter.	SS3.3	104, 126, 182, 192, 198			
	Demonstrate understanding of 3-D objects by analyzing characteristics including faces, edges, and vertices. Demonstrate understanding of 2-D shapes (regular and irregular) including triangles, quadrilaterals, pentagons, hexagons, and octagons by describing, comparing and sorting.	SS3.4, SS3.5	169, 184			
Statistics and Probability	Demonstrate understanding of first-hand data using tally marks, charts, lists, bar graphs, and line plots (abstract pictographs), through collecting, organizing, and representing, and solving situational questions.	SP3.1	174, 187, 198			

