	KINDERGARTEN	7		Mathseeds Les	sson #	Additional Mathseeds Resources		
	KINDERGARTEN		Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment	
Strand	Benchmarks	Codes	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 and Operations	Recognize that a number can be used to represent how many objects are in a set or to represent the position of an object in a sequence; Read, write, and represent whole numbers from 0 to at least 31.	K.1.1.1, K.1.1.2	10, 11, 12, 14, 16, 17, 20,	, 21, 31, 33, 48		<b>DT</b> Number 1, 3, 14, 15, 22	Kindergarten Number Test 2	
	Count forward and backward to at least 20; Find a number that is 1 more or 1 less than.	K.1.1.3, K.1.1.4	1, 2, 3, 5, 7, 18, 19, 25, 2	28, 50		<b>DT</b> Number 2, 4, 5, 9–13, 16, 17, 21, 23	<b>Kindergarten Number</b> Tests 1, 2	
	Compare and order whole numbers.	K.1.1.5	22			<b>DT</b> Number 6–8, 18–20, 22–24	Kindergarten Number Test 3	
	Use objects and draw pictures to find the sums and differences of numbers between 0 and 10.	K.1.2.1	24, 30, 32, 34, 36, 40, 4	7, 49		DT Operations 1–14, 16–20 MM Addition Sprints MM Subtraction Sprints	Kindergarten Operations Tests 1–4	
	Compose and decompose numbers up to 10 with objects and pictures.	K.1.2.2	41, 43, 45, 46			<b>DT</b> Operations 2, 6, 9	Kindergarten Number Test 4	
Algebra	Identify, create, complete, and extend simple patterns using shape, color, size, number, sounds and movements.	K.2.1.1	22, 37			<b>DT</b> Patterns 1–9	Kindergarten Number Test 4	
Geometry and Measurement	Recognize basic two-dimensional shapes.	K.3.1.1	4, 6, 9, 15, 23, 27, 37			<b>DT</b> Geometry 1–8, 19, 20	Kindergarten Geometry Test 4	
	Recognize basic three-dimensional shapes.	K.3.1.1	44, 35			<b>DT</b> Geometry 15–18, 21–23	Kindergarten Geometry Test 2	
	Sort objects using characteristics.	K.3.1.2	8			DT Data 2	Kindergarten Data Test 1	
	Use words to compare objects according to length. Order 2 or 3 objects using length.	K.3.2.1, K.3.2.2	26			<b>DT</b> Measurement 5, 6, 9, 10	Kindergarten Measurement Tests 1, 2	
	Use words to compare objects according to size. Order 2 or 3 objects using size.	K.3.2.1, K.3.2.2	13, 38			<b>DT</b> Measurement 2, 3, 15, 16	Kindergarten Measurement Tests 3, 5	
	Use words to compare objects according to weight. Order 2 or 3 objects using weight.	K.3.2.1, K.3.2.2	29	0		<b>DT</b> Measurement 7, 8, 12	Kindergarten Measurement Test 4	





GRADE 1				Ad		
	ORADET		Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency
Strand	Benchmarks	Codes	Online Lesson and Printable Resources	End-of-lesson Quiz	Critical Thinking and Problem Solving Worksheets	Driving Tests (DT) Mental Minute (M/
	Use place value to describe whole numbers	1.1.1.1	88			<b>DT</b> Grade 1 Number
	Read, write and represent whole numbers up to 120; Count forward and backward to 120.		60, 67, 75			<b>DT</b> Grade 1 Number 21–24
	Find a number that is 10 more or 10 less than a given number.	1.1.1.4	98			<b>DT</b> Grade 1 Operation 20
Number and Operations	Compare and order whole numbers up to 120; Use words to describe the relative size of numbers.		81, 86		<b>DT</b> Grade 1 Number	
	Use counting and comparison skills to create and analyze bar graphs and tally charts.		80, 97		<b>DT</b> Grade 1 Data 1– 12–16	
	Use words, pictures, objects, length-based models, numerals and number lines to model and solve addition and subtraction problems.		95, 96		<b>DT</b> Grade 1 Operation	
	Recognize the relationship between counting and addition and subtraction. Skip count by 2s, 5s, and 10s.		77, 79, 90			<b>DT</b> Grade 1 Patterns 7–10, 12
	Create simple patterns using objects, pictures, numbers and rules.	1.2.1.1			<b>DT</b> Grade 1 Patterns	
	Represent real-world situations involving addition and subtraction basic facts, using objects and number sentences.	1.2.2.1	51, 53, 93, 100			DT Grade 1 Operation MM Addition Sprints MM Subtraction Spri
Algebra	Determine if equations involving addition and subtraction are true.	1.2.2.2	2 76			DT Grade 1 Operation MM Addition Sprints MM Subtraction Sprints
	Use number sense and models of addition and subtraction, such as objects and number lines, to identify the missing number in an equation.		53, 65			DT Grade 1 Operation MM Addition Sprints MM Subtraction Spri
	Use addition or subtraction basic facts to represent a given problem situation using a number sentence.		56, 58, 68, 72, 85			DT Grade 1 Operation MM Addition Sprints MM Subtraction Spri
	Describe characteristics of two- and three-dimensional objects.		52, 62, 99			<b>DT</b> Grade 1 Geomet 17–19
	Compose (combine) and decompose (take apart) two- and three-dimensional figures.		69			<b>DT</b> Grade 1 Geomet
Geometry and Measurement	Measure the length of an object in terms of multiple copies of another object.	1.3.2.1	84			DT Grade 1 Measure
	Tell time to the hour and half-hour.	1.3.2.2	54, 70, 87			<b>DT</b> Grade 1 Measure 15
	Identify pennies, nickels and dimes; find the value of a group of these coins, up to one dollar.	1.3.2.3	64, 83			<b>DT</b> Grade 1 Measure



### ditional Mathseeds Resources

M)Printable Achievement Standards Assessmentr 9, 10, 19Grade 1 Number and Algebra: Whole Numbers Tests 1–5r 1–6, 8, 11–17,Grade 1 Number and Algebra: Whole Numbers Tests 1–9ions 13, 14, 17, 19,Grade 1 Number and Algebra: Patterns Tests 1–7r 7, 18, 20Grade 1 Number and Algebra: Patterns Tests 1–7r 7, 18, 20Grade 1 Number and Algebra: Whole Numbers Test 6-4, 6, 9, 10,Grade 1 Statistics: Data Tests 1–5ions 18Grade 1 Number and Algebra: Operations Test 6and Fractions 2, and Fractions 1, 4Grade 1 Number and Algebra: Patterns Tests 1, 6, 7ions 10, 11 sintsGrade 1 Number and Algebra: Operations Tests 3, 4, 5ions 10, 11 sintsGrade 1 Number and Algebra: Operations Tests 3, 4, 5ions 1, 3, 4, 5, 7, 9Grade 1 Number and Algebra: operations Tests 1, 2try 1–3, 6–8, 10, try 1–3, 6–8, 10,Grade 1 Geometry: Shape Tests 1–6try 9, 13Grade 1 Geometry: Shape Test 1–5ement 2, 4, 13, 14Grade 1 Measurement: Length Tests 1–5ement 1, 8, 9, 10,Grade 1 Measurement: Shape Tests 1–5ement 3, 5, 6, 7,Grade 1 Number and Algebra: Shape Tests 1–5ement 3, 5, 6, 7,Grade 1 Number and Algebra: Shape Tests 1–5		Assessment
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Grade 1 Number and Algebra: Fractions and Money Tests 3–5, 7	rement 1, 8, 9, 10,	<b>Grade 1 Measurement: Time</b> Tests 1–5
	rement 3, 5, 6, 7,	Grade 1 Number and Algebra: Fractions and Money Tests 3–5, 7

0	GPADE 2		Mathseeds Lesson #			Ad	
	ONADE Z		Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	
Strand	Benchmarks	Codes	Online Lesson and Printable Resources	End-of- lesson Quiz	Critical Thinking and Problem Solving Worksheets	Driving Tests (DT) Mental Minute (MN	
	Read, write and represent whole numbers up to 1000.	2.1.1.1	101, 106	1	1	<b>DT</b> Grade 2 Number 17, 23, 24	
	Use place value to describe whole numbers between 10 and 1000.	2.1.1.2	105	<b>DT</b> Grade 2 Number			
	Find 10 more or 10 less than a given three-digit number. Find 100 more or 100 less than a given three-digit number.	2.1.1.3	148	<b>DT</b> Grade 2 Operatio			
	Round numbers up to the nearest 10 and 100 and round numbers down to the nearest 10 and 100.	2.1.1.4	129				
	Compare and order whole numbers up to 1000.	2.1.1.5	122	<b>DT</b> Grade 2 Number			
Number and	Use strategies to generate addition and subtraction facts.		128, 134	DT Grade 2 Operation MM Addition Sprints MM Subtraction Sprint			
	Demonstrate fluency with basic addition facts and related subtraction facts.	2.1.2.2	142, 148	DT Grade 2 Operatio MM Addition Sprints MM Subtraction Sprin			
	Use mental strategies and algorithms based on knowledge of place value and equality to add and subtract two-digit numbers.	2.1.2.4	103, 110, 120, 124, 144	DT Grade 2 Operatio 20, 23 MM Addition Sprints MM Subtraction Sprin			
	Solve real-world and mathematical addition and subtraction problems involving whole numbers with up to 2 digits.	2.1.2.5	118, 139	DT Grade 2 Measure			
	Use addition and subtraction to create and obtain information from tables, bar graphs and tally charts.		143		<b>DT</b> Grade 2 Data and 7–14		
	Identify, create and describe simple number patterns.	2.2.1.1	117, 133			<b>DT</b> Grade 2 Patterns of 1–4, 6–10, 13	
Algebra	Use number sentences involving addition, subtraction and unknowns to represent and solve problems.	2.2.2.1, 2.2.2.2	131, 137, 141				
	Describe, compare, and classify two- and three-dimensional figures; Identify and name basic two- and three-dimensional shapes.	2.3.1.1, 2.3.1.2	119, 121, 145		<b>DT</b> Grade 2 Geometr		
Geometry and Measurement	Understand the relationship between the size of the unit of measurement and the number of units; Demonstrate an understanding of the relationship between length and the numbers on a ruler.	2.3.2.1, 2.3.2.2	104, 126			<b>DT</b> Grade 2 Measure 15, 21–24	
	Tell time to the quarter-hour and distinguish between a.m. and p.m.	2.3.3.1	114, 123, 127			DT Grade 2 Measure	
	Identify pennies, nickels, dimes and quarters. Find the value of a group of coins.	2.3.3.2	125, 147	No	Alt.	DT Grade 2 Measure	

### ditional Mathseeds Resources

	Assessment
<b>v</b> )	Printable Achievement Standards Assessment
1–3, 5–7, 9–13,	Grade 2 Number and Algebra: Numbers to 1000 Tests 1, 3, 4
4, 8, 16, 18–22	Grade 2 Number and Algebra: Numbers to 1000 Tests 2, 5
ons 27, 28	
14, 15	Grade 2 Number and Algebra: Numbers to 1000 Tests 7, 8
ons 18, 24, 25, 26	Grade 2 Number and Algebra: Addition and Subtraction
ons 2, 5, 22	Grade 2 Number and Algebra: Addition and Subtraction
nts	Test 1
ons 1, 4, 7, 13–17,	Grade 2 Number and Algebra: Addition and Subtraction Tests 2, 4–8
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ement 19	Grade 2 Number and Algebra: Addition and Subtraction Test 9 Grade 2 Measurement: Informal Units Test 8
d Chance 1, 4, 5,	Grade 2 Statistics: Data Tests 1–5
and Fractions	Grade 2 Number and Algebra: Number Patterns Tests 1–7
ry 3 <i>–7</i> , 10	Grade 2 Geometry: Shapes Tests 1–5
ement 6, 9, 11, 13,	Grade 2 Measurement: Informal Units Tests 3–7
ement 7, 20	Grade 2 Measurement: Time Tests 1–6
ement 12	Grade 2 Number and Algebra: Fractions and Money Tests 4–7

	GRADE 3		Mathseeds Lesson #			Additional Mathseeds Resources
m			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency
Strand	Benchmarks	Codes	Online Lesson and Printable Resources	End-of-lesson Quiz	Critical Thinking and Problem Solving Worksheets	Mental Minute (MM)
	Read, write and represent whole numbers up to 100,000; Compare and order whole numbers.		151, 156			
	Use place value to describe whole numbers.	3.1.1.2	161			
	Round numbers to the nearest 10,000, 1000, 100 and 10.		194			
	Add and subtract multi-digit numbers.		163, 170, 173, 178			<b>MM</b> Addition Sprints <b>MM</b> Subtraction Sprints
	Use addition and subtraction to solve real-world and mathematical problems.		154, 172, 183, 188			
Number and Operations	Represent multiplication and division facts by using a variety of approaches.		155, 165			<b>MM</b> Multiplication Sprints <b>MM</b> Division Sprints
	Solve real-world and mathematical problems involving multiplication and division.		157, 168, 193, 196, 200			
	Use strategies and algorithms based on knowledge of place value, equality and properties of addition and multiplication to multiply a two- or three-digit number by a one-digit number.		181, 186, 192			
	Read and write fractions with words and symbols.		191			
	Understand that the size of a fractional part is relative to the size of the whole.	3.1.3.2	180			
	Order and compare fractions.	3.1.3.3	160, 175, 197			
Algebra	Create, describe, and apply single-operation input-output rules.		153, 195			
	Understand how to interpret number sentences involving multiplication and division basic facts and unknowns; Use multiplication and division basic facts to represent a given problem situation using a number sentence.		158, 171, 176, 190, 199			<b>MM</b> Multiplication Sprints <b>MM</b> Division Sprints
Geometry and Measurement	Understand perimeter as a measurable attribute of real-world and mathematical objects.		192		C C C	
	Tell time to the minute, using digital and analog clocks. Determine elapsed time to the minute.		162, 185, 189			
	Know relationships among units of time.		179			
	Make change up to one dollar in several different ways, including with as few coins as possible.		159			
Data Analysis	Collect, display, and interpret data.	3.4.1.1	174, 182, 187, 198			
19 A.	Contraction with the south for a state of the south of the	and the		Contract Real	White States	

