

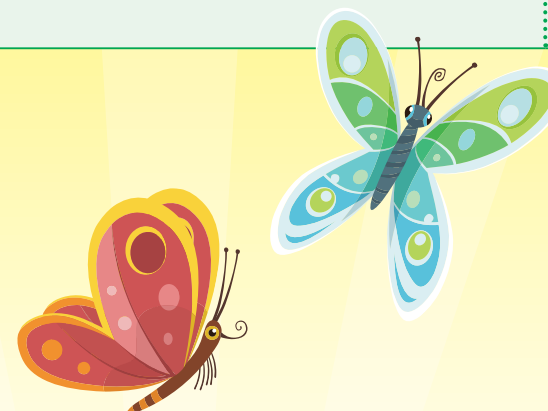


# Wisconsin Standards for Mathematics



## KINDERGARTEN

			Mathseeds Lesson #			Additional Mathseeds Resources	
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Domain	Standard	Notation	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
Counting and Cardinality	Count to 100; Count forward; Write numbers 0-20.	M.K.CC.A.1 M.K.CC.A.2 M.K.CC.A.3	1, 2, 3, 5, 7, 18, 19, 25, 28, 50		19	<b>DT</b> Early Number 2, 4, 5, 9—13, 16, 17, 21, 23	<b>Kindergarten Number</b> Tests 1, 2
	Understand the relationship between numbers and quantities; Connect counting to cardinality; Recognize and name quantities of up to 5; Count to answer “how many?” questions.	M.K.CC.B.4 M.K.CC.B.5 M.K.CC.B.6	10, 11, 12, 14, 16, 17, 20, 21, 31, 33, 48, 63		12, 19, 41, 43	<b>DT</b> Early Number 1, 3, 14, 15, 22	<b>Kindergarten Number</b> Test 2
	Identify greater than, less than, or equal to; Compare two numbers.	M.K.CC.C.7 M.K.CC.C.8	22, 31, 41, 43, 45, 46, 50		41	<b>DT</b> Early Number 6—8, 18—20	<b>Kindergarten Number</b> Test 3
Operations and Algebraic Thinking	Represent addition and subtraction; Add and subtract within 10; Decompose numbers; Find the number that makes 10 when added to the given number; Fluently add and subtract within 5.	M.K.OA.A.1 M.K.OA.A.2 M.K.OA.A.3 M.K.OA.A.4 M.K.OA.A.5	24, 30, 32, 34, 36, 40, 47, 49		30, 34, 36, 40, 47	<b>DT</b> Early Operations 1—14, 16—20 <b>MM</b> Addition Sprints <b>MM</b> Subtraction Sprints	<b>Kindergarten Operations</b> Tests 1—4
Numbers and Operations in Base Ten	Compose and decompose numbers from 11 to 19.	M.K.NBT.A.1	41, 43, 45, 46, 50		41, 43	<b>DT</b> Early Operations 2, 6, 9	<b>Kindergarten Number</b> Test 4
Measurement and Data	Describe and compare measurable attributes.	M.K.MD.A.1 M.K.MD.A.2	13, 26, 29, 38, 39, 55, 73, 89, 135			<b>DT</b> Early Measurement 2, 3, 5—12, 15, 16	<b>Kindergarten Measurement</b> Tests 1—5
	Classify objects; Count the numbers of objects in each category; Sort the categories by count.	M.K.MD.B.3	8, 23, 42		6, 8, 15, 23, 27	<b>DT</b> Early Data 1—10	<b>Kindergarten Data</b> Test 1
Geometry	Describe objects in the environment using names of shapes, and describe the relative positions of these objects.	M.K.G.A.1	57, 78, 94			<b>DT</b> Early Geometry 9—11, 13—14	<b>Kindergarten Geometry</b> Test 5
	Correctly name and identify two-dimensional and three-dimensional shapes; Analyze and compare two-dimensional and three-dimensional shapes.	M.K.G.A.2 M.K.G.A.3 M.K.G.B.4	4, 6, 9, 15, 23, 27, 35, 37, 44		6, 15, 23, 27	<b>DT</b> Early Geometry 1—8, 19, 20	<b>Kindergarten Geometry</b> Test 3
	Compose simple shapes to form larger shapes.	M.K.G.B.6				<b>DT</b> Early Geometry 12	<b>Kindergarten Geometry</b> Test 4



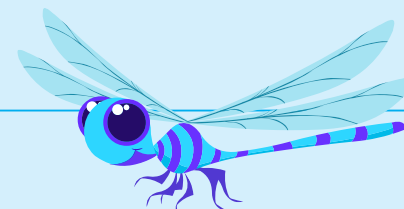


# Wisconsin Standards for Mathematics



## GRADE 1

			Mathseeds Lesson #			Additional Mathseeds Resources	
Domain	Standard	Notation	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
Operations and Algebraic Thinking	Use addition and subtraction within 20; Solve problems that call for addition of three whole numbers.	M.1.OA.A.1 M.1.OA.A.2	51, 53, 56, 58, 65, 68, 72, 85, 91, 93, 95, 96, 98, 100		65, 68, 77, 83, 91, 93	<b>DT</b> Grade 1 Operations 2, 8, 10, 11 <b>MM</b> Addition Sprints <b>MM</b> Subtraction Sprints	<b>Grade 1 Number and Algebra: Operations</b> Tests 3, 4
	Apply properties of operations as strategies to add and subtract; Understand subtraction as an unknown-addend problem.	M.1.OA.B.3 M.1.OA.B.4	93, 100		93	<b>DT</b> Grade 1 Operations 6, 16 <b>MM</b> Addition Sprints <b>MM</b> Subtraction Sprints	<b>Grade 1 Number and Algebra: Operations</b> Test 5
	Use counting and subitizing strategies to explain addition and subtraction; Use multiple strategies to add and subtract within 20.	M.1.OA.C.5 M.1.OA.C.6	56, 58, 68, 72, 77, 85		56, 68, 77	<b>DT</b> Grade 1 Operations 1, 3, 4, 5, 7, 9 <b>MM</b> Addition Sprints <b>MM</b> Subtraction Sprints	<b>Grade 1 Number and Algebra: Operations</b> Tests 1, 2
	Understand the meaning of the equal sign; Determine if equations involving addition and subtraction are true or false.	M.1.OA.D.7	76			<b>DT</b> Grade 1 Operations 10, 11 <b>MM</b> Addition Sprints <b>MM</b> Subtraction Sprints	
Numbers and Operations in Base Ten	Count to 120.	M.1.NBT.A.1	60, 67, 75, 90		60, 67	<b>DT</b> Grade 1 Number 1—6, 8, 11—17, 21—24	
	Understand that the two digits of a two-digit number represent amounts of tens and ones.	M.1.NBT.B.2	88		88	<b>DT</b> Grade 1 Number 9, 10, 19	<b>Grade 1 Number and Algebra: Whole Numbers</b> Tests 1—5
	Compare two two-digit numbers using words and symbols ( $>$ , $=$ , and $<$ ).	M.1.NBT.B.3	56, 60, 81, 86		60, 80, 83	<b>DT</b> Grade 1 Number 7, 18	<b>Grade 1 Number and Algebra: Whole Numbers</b> Test 6
	Add within 100 using multiple strategies; Relate the strategy to a written method and explain the reasoning used.	M.1.NBT.C.4	88, 95, 96, 98		96	<b>DT</b> Grade 1 Operations 18 <b>MM</b> Addition Sprints <b>MM</b> Subtraction Sprints	<b>Grade 1 Number and Algebra: Operations</b> Test 6
	Given a two-digit number, mentally find 10 more or 10 less than the number; Subtract multiples of 10.	M.1.NBT.C.5 M.1.NBT.C.6	79, 98			<b>DT</b> Grade 1 Operations 13, 14, 19, 20 <b>MM</b> Addition Sprints <b>MM</b> Subtraction Sprints	<b>Grade 1 Number and Algebra: Patterns</b> Tests 1—7
Measurement and Data	Order three objects by length; Express the length of an object as a whole number of length units.	M.1.MD.A.1 M.1.MD.A.2	84			<b>DT</b> Grade 1 Measurement 2, 4, 13, 14	<b>Grade 1 Measurement: Length</b> Tests 1—5
	Tell and write time in hours and half-hours using analog and digital clocks.	M.1.MD.B.3	54, 70, 87		87	<b>DT</b> Grade 1 Measurement 1, 8, 9, 10, 15	<b>Grade 1 Measurement: Time</b> Tests 1—5
	Organize, represent, and interpret data.	M.1.MD.C.4	80, 97		80	<b>DT</b> Grade 1 Data 1—4, 6, 9, 10, 12—16	<b>Grade 1 Statistics: Data</b> Tests 1—5 Geometry
Geometry	Distinguish between defining and non-defining attributes; Build and draw shapes to possess defining attributes; Compose two-dimensional shapes or three-dimensional shapes to create a composite shape.	M.1.G.A.1 M.1.G.A.2	52, 62, 69, 99		69	<b>DT</b> Grade 1 Geometry 9, 10, 13	<b>Grade 1 Geometry: Shape</b> Tests 1—7 <b>Grade 1 Number and Algebra: Fractions and Money</b> Tests 1, 2
	Partition circles and rectangles into two and four equal shares.	M.1.G.A.3	61, 66			<b>DT</b> Grade 1 Patterns and Fractions 5, 6, 13, 14	<b>Grade 1 Number and Algebra: Fractions and Money</b> Tests 1, 2







## GRADE 2

# Wisconsin Standards for Mathematics



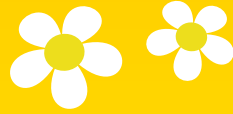
			Mathseeds Lesson #			Additional Mathseeds Resources	
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Domain	Standard	Notation	Online Lesson, Printable Resources, & Problem Solving Tasks	End-of-lesson Quiz	Critical Thinking and Problem Solving Interactives	Driving Tests (DT) Mental Minute (MM)	Printable Achievement Standards Assessment
Operations and Algebraic Thinking	Use addition and subtraction within 100 to solve one- and two-step word problems.	M.2.OA.A.1	103, 110, 111, 113, 118, 120, 124, 128, 131, 133, 134, 137, 139, 148, 150		112, 118, 124, 125, 128, 132, 133, 134, 136, 139, 144, 146, 147, 150		<b>Grade 2 Number and Algebra: Addition and Subtraction</b> Test 9
	Flexibly add and subtract within 20 using mental strategies.	M.2.OA.B.2	142			<b>DT</b> Grade 2 Operations 2, 5, 22 <b>MM</b> Addition Sprints <b>MM</b> Subtraction Sprints	<b>Grade 2 Number and Algebra: Addition and Subtraction</b> Test 1
	Determine whether a group of objects has an odd or even number of members.	M.2.OA.C.3	108			<b>DT</b> Grade 2 Operations 3	<b>Grade 2 Number and Algebra: Numbers to 1000</b> Test 6
	Use addition to find the total number of objects arranged in rectangular arrays.	M.2.OA.C.4	111, 113, 115, 130		113, 130, 136	<b>DT</b> Grade 2 Operations 8, 9, 10, 19 <b>MM</b> Multiplication Sprints	<b>Grade 2 Number and Algebra: Equal Groups</b> Tests 1—5
Numbers and Operations in Base Ten	Understand that the three digits of a three-digit number represents amounts of hundreds, tens and ones.	M.2.NBT.A.1	101, 105		105	<b>DT</b> Grade 2 Number 4, 8, 16, 18—22	<b>Grade 2 Number and Algebra: Numbers to 1000</b> Tests 5, 8
	Count within 1000; Skip-count by 5s, 10s and 100s.	M.2.NBT.A.2	101, 105, 106, 117, 129		105, 112, 132, 133	<b>DT</b> Grade 2 Number 2, 3, 6, 7, 9—13, 17 <b>DT</b> Grade 2 Patterns and Fractions 1—4, 6—10, 13	<b>Grade 2 Number and Algebra: Number Patterns</b> Tests 1—7
	Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.	M.2.NBT.A.3	106			<b>DT</b> Grade 2 Number 1, 5, 23, 24	<b>Grade 2 Number and Algebra: Numbers to 1000</b> Tests 1, 2, 3, 4
	Compare two three-digit numbers based on meanings of the hundreds, tens and ones digits using words and symbols ( $>$ , $=$ , and $<$ ).	M.2.NBT.A.4	122			<b>DT</b> Grade 2 Number 14, 15	<b>Grade 2 Number and Algebra: Numbers to 1000</b> Test 7
	Flexibly add within 100; Add up to four two-digit numbers using strategies based on place value and properties of operations.	M.2.NBT.B.5 M.2.NBT.B.6	103, 110, 118, 120, 124, 133, 144, 146, 150		118, 124, 133, 139, 144, 146, 150	<b>DT</b> Grade 2 Operations 1, 4, 7, 13—17, 20, 23 <b>MM</b> Addition Sprints <b>MM</b> Subtraction Sprints	<b>Grade 2 Number and Algebra: Addition and Subtraction</b> Tests 2, 3, 4, 7
	Demonstrate understanding of addition and subtraction within 1000.	M.2.NBT.B.7	128, 129, 134, 144, 146		134, 144, 146	<b>DT</b> Grade 2 Operations 18, 24, 25, 26 <b>MM</b> Addition Sprints <b>MM</b> Subtraction Sprints	<b>Grade 2 Number and Algebra: Addition and Subtraction</b> Tests 5, 6, 8
	Mentally add or 100 to a give number 100-900, and mentally subtract 10 or 100 from a given number 100-900.	M.2.NBT.B.8	148			<b>DT</b> Grade 2 Operations 27, 28 <b>MM</b> Addition Sprints <b>MM</b> Subtraction Sprints	
Measurement and Data	Measure and estimate lengths using units of inches, feet, centimeters, and meters.	M.2.MD.A	104, 126			<b>DT</b> Grade 2 Measurement 9, 11, 13, 15, 21—24	<b>Grade 2 Measurement: Informal Units</b> Tests 3—7
	Relate addition and subtraction to length.	M.2.MD.B	141			<b>DT</b> Grade 2 Measurement 19	<b>Grade 2 Measurement: Informal Units</b> Test 8
	Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.	M.2.MD.C.7	109, 114, 123, 127			<b>DT</b> Grade 2 Measurement 7, 20	<b>Grade 2 Measurement: Time</b> Tests 1—6
	Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies.	M.2.MD.C.8	64, 83, 92, 125, 147, 159		125, 147	<b>DT</b> Grade 1 Measurement 3, 5, 6, 7, 12 <b>DT</b> Grade 2 Measurement 12	<b>Grade 1 Number and Algebra: Fractions and Money</b> Tests 4—8 <b>Grade 2 Number and Algebra: Fractions and Money</b> Tests 4—7
	Generate measurement data by measuring lengths of several objects; Show the measurements by making a line plot; Draw a picture graph and a bar graph to represent a data set.	M.2.MD.D.9 M.2.MD.D.10	143			<b>DT</b> Grade 2 Data and Chance 1, 4, 5, 7—14	<b>Grade 2 Statistics: Data</b> Tests 1—5
Geometry	Recognize and draw shapes having specified attributes; Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.	M.2.G.A.1	119, 121, 145		102, 119, 121, 140	<b>DT</b> Grade 2 Geometry 3—7, 10	<b>Grade 2 Geometry: Shapes</b> Tests 1—5
	Partition a rectangle and count the total; Partition circles and rectangles into two, three, or four equal shares. Recognize that equal shares of identical wholes need not have the same shape.	M.2.G.A.2 M.2.G.A.3	132			<b>DT</b> Grade 2 Patterns and Fractions 11, 12, 14, 16	<b>Grade 2 Number and Algebra: Fractions and Money</b> Tests 1—3



# Wisconsin Standards for Mathematics



## GRADE 3



			Mathseeds Lesson #			Additional Mathseeds Resources	
Domain	Standard	Notation	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
Operations and Algebraic Thinking	Interpret products of whole numbers.	M.3.OA.A.1	74, 155		153, 168, 176, 181, 186, 188, 196	<b>MM</b> Multiplication Sprints	
	Interpret whole numbers quotients of whole numbers.	M.3.OA.A.2	71, 165, 181, 190			<b>MM</b> Division Sprints	
	Use multiplication and division within 100 to solve word problems.	M.3.OA.A.3	168, 196		168, 196	<b>MM</b> Multiplication Sprints <b>MM</b> Division Sprints	
	Apply properties of operations as strategies to multiply and divide. Understand division as an unknown-factor problem.	M.3.OA.B.4 M.3.OA.B.5	181, 186, 190		181, 186	<b>MM</b> Multiplication Sprints <b>MM</b> Division Sprints	
	Use multiplicative thinking to multiply and divide within 100.	M.3.OA.C.6	155, 158, 165, 171, 176, 196, 199		186, 188, 193, 199	<b>MM</b> Multiplication Sprints <b>MM</b> Division Sprints	
	Solve two-step word problems using the four operations.	M.3.OA.D.7	183, 188, 195		183, 188, 195		
	Identify arithmetic patterns and explain them using properties of operations.	M.3.OA.D.8	153, 158, 166, 195				
Numbers and Operations in Base Ten	Use place value understanding to generate estimates for problems in real-world situations, with whole numbers within 1,000.	M.3.NBT.A.1	194		194		
	Flexibly add and subtract within 1,000.	M.3.NBT.A.2	163, 170, 173, 178		170, 172, 178, 183, 188, 195	<b>MM</b> Addition Sprints <b>MM</b> Subtraction Sprints	
	Multiply one-digit whole numbers by multiples of 10.	M.3.NBT.A.3	193			<b>MM</b> Multiplication Sprints	
Measurement and Data	Understand a unit fraction as the quantity formed when a whole is partitioned into equal parts and explain that a unit fraction is one of those parts; Understand fractions are composed of unit fractions.	M.3.NF.A.1	138, 175		175		
	Understand and represent a fraction as a number on the number line.	M.3.NF.A.2	160				
	Explain equivalence of fractions and compare fractions by reasoning about their size.	M.3.NF.A.3	180, 191, 197		180, 197		
	Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes.	M.3.MD.A.1	162, 179, 185, 189				
	Measure and estimate liquid volumes and masses of objects using standard units. Add, subtract, multiply, or divide to solve one-step word problems involving mass or volumes that are given in the same units.	M.3.MD.A.2	116, 154, 172		154		
	Draw a scaled picture graph and a scaled bar graph to represent a data set; Solve one- and two-step problems using information presented in scaled bar graphs; Generate measurement data by measuring lengths and show the data by making a line plot.	M.3.MD.B.3 M.3.MD.B.4	174, 182, 187, 198		182		
	Recognize area as an attribute of plane figures and understand concepts of area measurement; Measure areas by counting unit squares; Relate area to the operations of multiplication and addition.	M.3.MD.C.5 M.3.MD.C.6 M.3.MD.C.7	59, 149, 157, 200				
	Solve real-world and mathematical problems involving perimeters of polygons.	M.3.MD.D.8	192				
Geometry	Understand shapes in different categories may share attributes, and that the shared attributes can define a larger category. Recognize rhombuses, rectangles, and squares as examples of quadrilaterals, and draw examples of quadrilaterals that do not belong to any subcategories.	M.3.G.A.1	169				
	Partition shapes into parts with equal areas. Express the area of each part as a unit fraction of the whole.	M.3.G.A.2	184				

