Connecticut Model Math

KINDERGARTEN

			Mathseeds Lesson #			Additional Mathseeds Resources	
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Domain	**Standard**	**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**
Counting and Cardinality	Count to 100; Count forward from a given number; Write numbers from 0–20. Represent a number of objects.	K.CC.A.1 K.CC.A.2 K.CC.A.3	1, 2, 3, 5, 7, 10, 11, 12, 14, 16, 17, 18, 19, 20, 21, 25, 28, 33, 41, 43, 45, 46, 48, 50			**DT** Kindergarten Number 2, 4, 5, 9–13, 16, 17, 21, 23	**Kindergarten Number** Test 1, 2
	Understand the relationship between numbers and quantities; connect counting to cardinality; Count to answer “how many?” questions.	K.CC.B.4 K.CC.B.5	5, 7, 8, 11, 12, 16, 25, 31, 33, 36, 43, 45, 47, 48, 50, 63		12, 19, 30, 31, 46, 47	**DT** Kindergarten Number 1, 3, 14, 15, 22	**Kindergarten Number** Test 2
	Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group; Compare two numbers.	K.CC.C.6 K.CC.C.7	18, 22, 31, 41, 43, 45, 46		38	**DT** Kindergarten Number 6–8, 18–20	**Kindergarten Number** Test 3
Operations and Algebraic Thinking	Represent addition and subtraction; Solve addition and subtraction word problems; Decompose numbers less than or equal to 10 into pairs; Find the number that makes 10 when added to the given number; Fluently add and subtract within 5.	K.OA.A.1 K.OA.A.2 K.OA.A.3 K.OA.A.4 K.OA.A.5	21, 24, 25, 30, 31, 32, 34, 36, 40, 41, 45, 46, 47, 49, 50		34, 36, 40, 41	**DT** Kindergarten Operations 1–14, 16–20 **MM** Addition Sprints **MM** Subtraction Sprints	**Kindergarten Operations** Test 1–4
Number and Operations in Base Ten	Compose and decompose numbers from 11–19 into ten ones and some further ones.	K.NBT.A.1	41, 43, 45, 46, 48, 50		43, 46, 47	**DT** Kindergarten Operations 2, 6, 9	**Kindergarten Number** Test 4
Measurement and Data	Describe measurable attributes of objects (length); Directly compare two objects to see which object has “more of”/”less of” the attribute.	K.MD.A.1 K.MD.A.2	13, 26			**DT** Kindergarten Measurement 2, 3, 5, 6, 9, 10	**Kindergarten Measurement** Test 1–3
	Describe measurable attributes of objects (weight); Directly compare two objects to see which object has “more of”/”less of” the attribute.		29, 73, 135		135	**DT** Kindergarten Measurement 7, 8, 12	**Kindergarten Measurement** Test 4 **Grade 2 Measurement: Informal Units** Test 6, 7
	Describe measurable attributes of objects; Directly compare two objects to see which object has “more of”/”less of” the attribute.		38, 39, 42, 89, 109, 116		37, 38, 109	**DT** Kindergarten Measurement 1, 4, 11, 13–20 **DT** Grade 1 Measurement 11, 17–19 **DT** Grade 2 Measurement 1–5, 8, 14, 16	**Kindergarten Measurement** Test 5–7 **Grade 1 Measurement: Length and Capacity** Test 6, 7 **Grade 2 Measurement: Informal Units** Test 4, 5
	Classify objects into given categories; count the numbers of objects in each category and sort the categories by count.	K.MD.B.3				**DT** Kindergarten Data 1–10	**Kindergarten Data** Test 1, 2
Geometry	Describe objects in the environment using names of shapes, and describe the relative positions of these objects.	K.G.A.1	57, 78, 94		57, 78, 94	**DT** Kindergarten Geometry 9–11, 13, 14 **DT** Grade 1 Geometry 4, 5, 11, 12, 14–16 **DT** Grade 2 Geometry 2, 8, 11, 13	**Kindergarten Geometry** Test 5, 6 **Grade 1 Geometry: Shape** Test 7, 8
	Correctly name shapes (2D) regardless of their orientations or overall size; Identify shapes as two-dimensional; Analyze and compare two-dimensional shapes, in different sizes and orientations; Model shapes in the world.	K.G.A.2 K.G.A.3 K.G.B.4 K.G.B.5	4, 6, 9, 15, 23, 27, 37		6, 8, 15, 23, 27	**DT** Kindergarten Geometry 1–8, 19, 20	**Kindergarten Geometry** Test 1, 3
	Correctly name shapes (3D) regardless of their orientations or overall size; Identify shapes as three-dimensional; Analyze and compare three-dimensional shapes, in different sizes and orientations; Model shapes in the world.		35, 44			**DT** Kindergarten Geometry 15–23	**Kindergarten Geometry** Test 2, 3
	Compose simple shapes to form larger shapes.	K.G.B.6				**DT** Kindergarten Geometry 12	**Kindergarten Geometry** Test 4

Connecticut Model Math

GRADE 1

Domain	Standard	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 Mathseeds Resources — Fluency: Driving Tests (DT) Mental Minute (MM)	Additional Mathseeds Resources — Assessment: Printable Achievement Standards Assessment
Operations and Algebraic Thinking	Use addition and subtraction within 100 to solve one- and two-step word problems.	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	**MM** Addition Sprints **MM** Subtraction Sprints	**Grade 2 Number and Algebra: Addition and Subtraction** Test 9
	Fluently add and subtract within 20 using mental strategies.	2.OA.B.2	142			**DT** Grade 2 Operations 2, 5, 22 **MM** Addition Sprints **MM** Subtraction Sprints	**Grade 2 Number and Algebra: Addition and Subtraction** Test 1
	Determine whether a group of objects has an odd or even number of members.	2.OA.C.3	108			**DT** Grade 2 Operations 3	**Grade 2 Number and Algebra: Numbers to 1000** Test 6
	Use addition to find the total number of objects arranged in arrays; write an equation to express the total as a sum of equal addends.	2.OA.C.4	111, 113, 115, 130		113, 130, 136	**DT** Grade 2 Operations 8, 9, 10, 19 **MM** Multiplication Sprints	**Grade 2 Number and Algebra: Equal Groups** Test 1–5
Number and Operations in Base Ten	Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones.	2.NBT.A.1	101, 105, 106		105	**DT** Grade 2 Number 4, 8, 16, 18–22	**Grade 2 Number and Algebra: Numbers to 1000** Test 5, 8
	Count within 1000; skip-count by 5s, 10s and 100s.	2.NBT.A.2	101, 105, 106, 117, 129		105, 112, 132, 133	**DT** Grade 2 Number 2, 3, 6, 7, 9–13, 17 **DT** Grade 2 Patterns and Fractions 1–4, 6–10, 13	**Grade 2 Number and Algebra: Number Patterns** Test 1–7
	Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.	2.NBT.A.3	106			**DT** Grade 2 Number 1, 5, 23, 24	**Grade 2 Number and Algebra: Numbers to 1000** Test 1, 2, 3, 4
	Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols.	2.NBT.A.4	122			**DT** Grade 2 Number 14, 15	**Grade 2 Number and Algebra: Numbers to 1000** Test 7
	Fluently add and subtract within 100 using strategies on place value, properties of operations, and/or the relationship between addition and subtraction; Add up to four two-digit numbers using strategies based on place value and properties of operations.	2.NBT.B.5 2.NBT.B.6	103, 110, 118, 120, 124, 133, 144, 146, 150		118, 124, 133, 139, 144, 146, 150	**DT** Grade 2 Operations 1, 4, 7, 13–17, 20, 23 **MM** Addition Sprints **MM** Subtraction Sprints	**Grade 2 Number and Algebra: Addition and Subtraction** Test 2-4, 7
	Add and subtract within 1000.	2.NBT.B.7	128, 129, 134, 144, 146		134, 144, 146	**DT** Grade 2 Operations 18, 24, 25, 26 **MM** Addition Sprints **MM** Subtraction Sprints	**Grade 2 Number and Algebra: Addition and Subtraction** Test 5, 6, 8
	Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.	2.NBT.B.8	148			**DT** Grade 2 Operations 27, 28 **MM** Addition Sprints **MM** Subtraction Sprints	
Measurement and Data	Measure and estimate length of an object using standard units of measurement.	2.MD.A.1 2.MD.A.2 2.MD.A.3 2.MD.A.4	104, 126			**DT** Grade 2 Measurement 9, 11, 13, 15, 21–24	**Grade 2 Measurement: Informal Units** Test 3–7
	Use addition and subtraction within 100 to solve word problems involving length that are given in the same units; Represent whole numbers as lengths from 0 on a number line digram.	2.MD.B.5 2.MD.B.6	141			**DT** Grade 2 Measurement 19	**Grade 2 Measurement: Informal Units** Test 8
	Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.	2.MD.C.7	109, 114, 123, 127			**DT** Grade 2 Measurement 7, 20	**Grade 2 Measurement: Time** Test 1–6
	Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies.	2.MD.C.8	64, 83, 92, 125, 147, 159		125, 147	**DT** Grade 1 Measurement 3, 5, 6, 7, 12 **DT** Grade 2 Measurement 12	**Grade 1 Number and Algebra: Fractions and Money** Tests 4–8 **Grade 2 Number and Algebra: Fractions and Money** Test 4–7
	Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object; Draw a picture graph and a bar graph to represent a data set with up to four categories.	2.MD.D.9 2.MD.D.10	143			**DT** Grade 2 Data and Chance 1, 4, 5, 7–14	**Grade 2 Statistics: Data** Test 1–5
Geometry	Recognize and draw shapes having specified attributes. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.	2.G.A.1	119, 121, 145		102, 119, 121, 140	**DT** Grade 2 Geometry 3–7, 10	**Grade 2 Geometry: Shapes** Test 1–5
	Partition a rectangle into rows and columns of same-size squares and count to find the total; Partition circles and rectangles into two, three, or four equal shares.	2.G.A.2 2.G.A.3	132			**DT** Grade 2 Patterns and Fractions 11, 12, 14, 16	**Grade 2 Number and Algebra: Fractions and Money** Test 1–3

Connecticut Model Math

GRADE 2

			Mathseeds Lesson #			Additional Mathseeds Resources	
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Domain	**Standard**	**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**
Operations and Algebraic Thinking	Use addition and subtraction within 100 to solve one- and two-step word problems.	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	**MM** Addition Sprints **MM** Subtraction Sprints	**Grade 2 Number and Algebra: Addition and Subtraction** Test 9
	Fluently add and subtract within 20 using mental strategies.	2.OA.B.2	142			**DT** Grade 2 Operations 2, 5, 22 **MM** Addition Sprints **MM** Subtraction Sprints	**Grade 2 Number and Algebra: Addition and Subtraction** Test 1
	Determine whether a group of objects has an odd or even number of members.	2.OA.C.3	108			**DT** Grade 2 Operations 3	**Grade 2 Number and Algebra: Numbers to 1000** Test 6
	Use addition to find the total number of objects arranged in arrays; write an equation to express the total as a sum of equal addends.	2.OA.C.4	111, 113, 115, 130		113, 130, 136	**DT** Grade 2 Operations 8, 9, 10, 19 **MM** Multiplication Sprints	**Grade 2 Number and Algebra: Equal Groups** Test 1–5
Number and Operations in Base Ten	Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones.	2.NBT.A.1	101, 105, 106		105	**DT** Grade 2 Number 4, 8, 16, 18–22	**Grade 2 Number and Algebra: Numbers to 1000** Test 5, 8
	Count within 1000; skip-count by 5s, 10s and 100s.	2.NBT.A.2	101, 105, 106, 117, 129		105, 112, 132, 133	**DT** Grade 2 Number 2, 3, 6, 7, 9–13, 17 **DT** Grade 2 Patterns and Fractions 1–4, 6–10, 13	**Grade 2 Number and Algebra: Number Patterns** Test 1–7
	Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.	2.NBT.A.3	106			**DT** Grade 2 Number 1, 5, 23, 24	**Grade 2 Number and Algebra: Numbers to 1000** Test 1, 2, 3, 4
	Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols.	2.NBT.A.4	122			**DT** Grade 2 Number 14, 15	**Grade 2 Number and Algebra: Numbers to 1000** Test 7
	Fluently add and subtract within 100 using strategies on place value, properties of operations, and/or the relationship between addition and subtraction; Add up to four two-digit numbers using strategies based on place value and properties of operations.	2.NBT.B.5 2.NBT.B.6	103, 110, 118, 120, 124, 133, 144, 146, 150		118, 124, 133, 139, 144, 146, 150	**DT** Grade 2 Operations 1, 4, 7, 13–17, 20, 23 **MM** Addition Sprints **MM** Subtraction Sprints	**Grade 2 Number and Algebra: Addition and Subtraction** Test 2-4, 7
	Add and subtract within 1000.	2.NBT.B.7	128, 129, 134, 144, 146		134, 144, 146	**DT** Grade 2 Operations 18, 24, 25, 26 **MM** Addition Sprints **MM** Subtraction Sprints	**Grade 2 Number and Algebra: Addition and Subtraction** Test 5, 6, 8
	Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.	2.NBT.B.8	148			**DT** Grade 2 Operations 27, 28 **MM** Addition Sprints **MM** Subtraction Sprints	
Meassurement and Data	Measure and estimate length of an object using standard units of measurement.	2.MD.A.1 2.MD.A.2 2.MD.A.3 2.MD.A.4	104, 126			**DT** Grade 2 Measurement 9, 11, 13, 15, 21–24	**Grade 2 Measurement: Informal Units** Test 3–7
	Use addition and subtraction within 100 to solve word problems involving length that are given in the same units; Represent whole numbers as lengths from 0 on a number line digram.	2.MD.B.5 2.MD.B.6	141			**DT** Grade 2 Measurement 19	**Grade 2 Measurement: Informal Units** Test 8
	Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.	2.MD.C.7	109, 114, 123, 127			**DT** Grade 2 Measurement 7, 20	**Grade 2 Measurement: Time** Test 1–6
	Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies.	2.MD.C.8	64, 83, 92, 125, 147, 159		125, 147	**DT** Grade 1 Measurement 3, 5, 6, 7, 12 **DT** Grade 2 Measurement 12	**Grade 1 Number and Algebra: Fractions and Money** Tests 4–8 **Grade 2 Number and Algebra: Fractions and Money** Test 4–7
	Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object; Draw a picture graph and a bar graph to represent a data set with up to four categories.	2.MD.D.9 2.MD.D.10	143			**DT** Grade 2 Data and Chance 1, 4, 5, 7–14	**Grade 2 Statistics: Data** Test 1–5
Geometry	Recognize and draw shapes having specified attributes. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.	2.G.A.1	119, 121, 145		102, 119, 121, 140	**DT** Grade 2 Geometry 3–7, 10	**Grade 2 Geometry: Shapes** Test 1–5
	Partition a rectangle into rows and columns of same-size squares and count to find the total; Partition circles and rectangles into two, three, or four equal shares.	2.G.A.2 2.G.A.3	132			**DT** Grade 2 Patterns and Fractions 11, 12, 14, 16	**Grade 2 Number and Algebra: Fractions and Money** Test 1–3

Connecticut Model Math

GRADE 3

			Mathseeds Lesson #			Additional Mathseeds Resources	
			Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Domain	**Standard**	**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**
Operations and Algebraic Thinking	Illustrate the product of two whole numbers as equal groups.	3.OA.A.1	74, 155		153, 168, 176, 181, 186, 188, 196	**MM** Multiplication Sprints	
	Illustrate and interpret the quotient of two whole numbers.	3.OA.A.2	71, 136, 165, 181, 190			**MM** Division Sprints	
	Use multiplication and division within 100 to solve word problems.	3.OA.A.3	168, 196		168, 196	**MM** Multiplication Sprints **MM** Division Sprints	
	Determine the unknown whole number in a multiplication or division equation relating three whole numbers.	3.OA.A.4	186		186	**MM** Multiplication Sprints **MM** Division Sprints	
	Apply properties of operations as strategies to multiply and divide; Understand division as an unknown-factor problem.	3.OA.B.5 3.OA.B.6	181, 190		181	**MM** Multiplication Sprints **MM** Division Sprints	
	Fluently multiply and divide within 100.	3.OA.C.7	155, 158, 165, 171, 176, 196, 199		186, 188, 193, 199	**MM** Multiplication Sprints **MM** Division Sprints	
	Solve two-step word problmes using the four operations. Represent these problems using equations with a letter standing for the unknown quantity.	3.OA.D.8	183, 188, 195		183, 188, 195	**MM** Addition Sprints **MM** Subtraction Sprints **MM** Multiplication Sprints **MM** Division Sprints	
	Identify arithmetic patterns, and explain them using properties of operations.	3.OA.D.9	77, 79, 90, 153, 158, 166, 195		77		
Number and Operations in Base Ten	Use place value understanding to round whole numbers to the nearest 10 or 100.	3.NBT.A.1	129, 194		194		
	Fluently add and subtract within 1000.	3.NBT.A.2	163, 170, 173, 178		170, 172, 178, 183, 188, 195	**MM** Addition Sprints **MM** Subtraction Sprints	
	Multiply one-digit whole numbers by multiples of 10 in the range 10–90 using strategies based on place value and properties of operations.	3.NBT.A.3	193			**MM** Multiplication Sprints	
Number and Operations – Fractions	Understand a fraction 1/b as the quantity formed by 1 part when a whole is partitioned into b equal parts; undersatnd a fraction a/b as the quantity formed by a parts of size 1/b.	3.NF.A.1	138, 175		175		
	Understand a fraction as a number on the number line; represent fractions on a number line diagram.	3.NF.A.2	160, 191				
	Explain equivalence and compare fractions by reasoning about their size.	3.NF.A.3	180, 191, 197		180, 197		
Measurement and Data	Tell and write time to the nearest minute; measure time intervals in minutes; Solve word problems involving addition and subtraction of time intervals in minutes.	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 masses or volumes that are given in the same units.	3.MD.A.2	116, 135, 154, 172		154		
	Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step problems using information presented in scaled bar graphs; Generate measurement data by measuring lengths. Show the data by making a line plot.	3.MD.B.3 3.MD.B.4	174, 182, 187, 198				
	Understand concepts of area and relate area to multiplication and to addition.	3.MD.C	59, 149, 157, 200		182		
	Recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.	3.MD.D	192				
Geometry	Understand that 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 of these subcategories.	3.G.A.1	169, 184				