

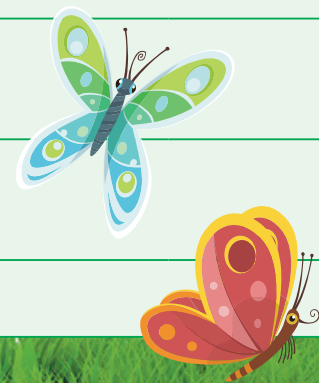


# Tennessee Academic Standards



## KINDERGARTEN

				Mathseeds Lesson #			Additional Mathseeds Resources	
Domain	Cluster	Standard	Code	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
Counting and Cardinality	Know number names and the counting sequence.	Count to 100 by ones, fives, and tens. Count backward from 10; Count forward by ones beginning from any given number within the known sequence; Write numbers from 0 to 20. Represent a quantity of objects with a written number 0–20.	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, 22, 25, 28, 33, 41, 43, 45, 46, 48, 50		12, 46	DT Kindergarten Number 1–25	Kindergarten Number Test 1, 2
		Recognize, describe, extend, and create patterns and explain a simple rule for a pattern using concrete materials. Analyze the structure of the repeating pattern by identifying the unit (core) of the pattern.	K.CC.A.4	27, 37		6, 8, 15, 23, 27, 37	DT Kindergarten Patterns 1–9	Kindergarten Number Test 6
	Count to tell the number of objects.	Understand the relationship between numbers and quantities; connect counting to cardinality; Count to answer “how many?” questions.	K.CC.B.5 K.CC.B.6	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
	Compare numbers.	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 given numbers, written as numerals.	K.CC.C.7 K.CC.C.8	22			DT Kindergarten Number 8, 20	Kindergarten Number Test 3
Operations and Algebraic Thinking	Represent and solve problems involving addition and subtraction.	Represent addition and subtraction; Add and subtract within 10 to solve contextual problems; Use mental strategies flexibly to develop fluency in addition and subtraction within 10.	K.OA.A.1 K.OA.A.2 K.OA.A.5	24, 25, 30, 31, 32, 34, 36, 47, 49, 50		19, 30, 31, 40, 41, 47	DT Kindergarten Operations 1–8, 11–15, 18–20, 22–25	Kindergarten Operations Test 1–4
		Decompose numbers less than or equal to 10 into addend pairs in more than one way; Find the number that makes 10, when added to any given number	K.OA.A.3 K.OA.A.4	21, 31, 34, 36, 40		19, 31, 34, 36, 40	DT Kindergarten Operations 9, 10, 16, 17	Kindergarten Operations Test 3
Number and Operations in Base Ten	Work with numbers 11–19 to gain foundations for place value.	Compose and decompose numbers from 11 to 19 into a group of ten ones and some more ones by using objects or drawings. Record the composition or decomposition.	K.NBT.A.1	41, 43, 45, 46, 48, 50		43	DT Kindergarten Number 11–19	Kindergarten Number Test 4
Measurement and Data	Describe and compare measurable attributes.	Describe the measurable attributes of and object, such as length (long/short), height (tall/short); Directly compare two objects with a measurable attribute in common, to describe 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 the measurable attributes of and object, such as weight (heavy/light); Directly compare two objects with a measurable attribute in common, to describe 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 the measurable attributes of and object; Directly compare two objects with a measurable attribute in common, to describe which object has more of/less of the attribute.		38, 39, 89, 116		38	DT Kindergarten Measurement 11, 15, 16, 20 DT Grade 1 Measurement 11, 17–19 DT Grade 2 Measurement 8	Kindergarten Measurement Test 5 Grade 1 Measurement: Length and Capacity Test 6, 7 Grade 2 Measurement: Informal Units Test 4, 5
	Work with money.	Identify the penny, nickel, dime, and quarter based on their attributes (size and color) and recognize the value of each.	K.MD.B.3					Kindergarten Number Test 5
	Classify objects and count the number of objects in each category.	Sort a collection of objects into a given category, with 10 or fewer in each category. Compare the categories by group size.	K.MD.C.4				DT Kindergarten Data 1–10	Kindergarten Data Test 1, 2
Geometry	Identify and describe shapes and solids. & Analyze, compare, create, and compose shapes.	Describe objects in the environment using names of shapes and solids. 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 regardless of their orientations or overall size; Identify shapes as two-dimensional; Describe similarities and differences between 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		6, 8, 15	DT Kindergarten Geometry 1–8, 19, 20	Kindergarten Geometry Test 1, 3
		Correctly name solids regardless of their orientations or overall size; Identify solids as three-dimensional; Describe similarities and differences between three-dimensional solids, in different sizes and orientations; Model solids in the world.		35, 44, 169			DT Kindergarten Geometry 15–23	Kindergarten Geometry Test 2, 3
		Compose a figure using simple shapes/solids and identify smaller shapes/solids within the figure.	K.G.B.6				DT Kindergarten Geometry 12	Kindergarten Geometry Test 4



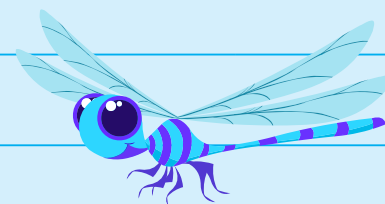


# Tennessee Academic Standards



## GRADE 1

				Mathseeds Lesson #			Additional Mathseeds Resources	
Domain	Cluster	Standard	Code	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	Represent and solve problems involving addition and subtraction.	Add and subtract within 20 to solve contextual problems, with unknowns in all positions; Add three whole numbers whose sum is within 20 to solve contextual problems.	1.OA.A.1 1.OA.A.2	51, 53, 58, 65, 68, 72, 85, 91		65, 68, 77, 83, 91, 93	DT Grade 1 Operations 2	Grade 1 Number and Algebra: Operations Test 3, 4
	Understand and apply properties of operations and the relationship between addition and subtraction.	Apply properties of operations as strategies to add and subtract; Understand the relationship between addition and subtraction by representing subtraction as an unknown-addend problem.	1.OA.B.3 1.OA.B.4	93, 100		93	DT Grade 1 Operations 6, 16 MM Addition Sprints MM Subtraction Sprints	Grade 1 Number and Algebra: Operations Test 5
	Add and subtract within 20.	Add and subtract within 20 using various strategies; Use mental strategies to develop fluency in addition and subtraction within 20.	1.OA.C.5 1.OA.C.6	56, 58, 68, 72, 77, 85		56, 68, 77	DT Grade 1 Operations 1, 3, 4, 5, 7, 9 MM Addition Sprints MM Subtraction Sprints	Grade 1 Number and Algebra: Operations Test 1, 2
	Work with addition and subtraction equations.	Understand the meaning of the equal sign. Determine if equations involving addition and subtraction are true or false	1.OA.D.7	76			DT Grade 1 Operations 10, 11 MM Addition Sprints MM Subtraction Sprints	
		Determine the unknown whole number in an addition or subtraction equation with sums/differences within 20, with the unknown in any position.	1.OA.D.8	51, 53, 56, 58, 65, 68, 72, 85, 91, 93, 95, 96, 98, 100			DT Grade 1 Operations 8, 10, 11 MM Addition Sprints MM Subtraction Sprints	
Number and Operations in Base Ten	Extend the counting sequence.	Count to 120, by ones, twos and fives starting at any multiple of that number. Count backward from 20. Read and write numbers to 120 and represent a quantity of objects with a written number.	1.NBT.A.1	60, 67, 75, 90		60, 67	DT Grade 1 Number 1–6, 8, 11–17, 21–24	
		Recognize, describe, extend, and create patterns when counting by ones, twos, fives, and tens and use those patterns to predict the next number in the countering sequence up to 120.	1.NBT.A.2	77, 79, 90		77	DT Grade 1 Patterns and Fractions 7–10, 12	Grade 1 Number and Algebra: Patterns Test 1–7
	Understand place value.	Know that the digits of a two-digit number represent groups of tens and ones.	1.NBT.B.3	88		88	DT Grade 1 Number 9, 10, 19	Grade 1 Number and Algebra: Whole Numbers Test 1–5
		Compare two two-digit numbers based on the meanings of the digits in each place and use the symbols $>$ , $=$ , and $<$ to show the relationship.	1.NBT.B.4	56, 60, 81, 86		60, 80, 83	DT Grade 1 Number 7, 18	Grade 1 Number and Algebra: Whole Numbers Test 6
	Use place value understanding and properties of operations to add and subtract.	Add a two-digit number to a one-digit number and two-digit number to a multiple of ten.	1.NBT.C.5	88, 95, 96, 98		96	DT Grade 1 Operations 18 MM Addition Sprints MM Subtraction Sprints	Grade 1 Number and Algebra: Operations Test 6
		Mentally find 10 more or 10 less than a given two-digit number without having to count by ones and explain the reasoning used; Subtract multiples of 10 from any number in the range of 10–99.	1.NBT.C.6 1.NBT.C.7	79, 98			DT Grade 1 Operations 13, 14, 19, 20 MM Addition Sprints MM Subtraction Sprints	Grade 1 Number and Algebra: Patterns Test 1–7
Measurement and Data	Measure lengths indirectly and by iterating length units.	Order three objects by length. Compare the length of two objects by using a third object; Measure the length of an object.	1.MD.A.1 1.MD.A.2	55, 84			DT Grade 1 Measurement 2, 4, 13, 14,	Grade 1 Measurement: Length and Capacity Test 1–5
	Work with time and money.	Recognize a clock as a measurement tool. Tell and write time in hours and half-hours using analog and digital clocks.	1.MD.B.3	39, 42, 54, 70, 87, 109		87, 109	DT Kindergarten Measurement 1, 4, 13, 14, 17–19 DT Grade 1 Measurement 1, 8–10, 15, 16 DT Grade 2 Measurement 1–5, 14, 16	Kindergarten Measurement Test 6, 7 Grade 1 Measurement: Time Test 1–6 Grade 2 Measurement: Time Test 4, 5
		Count the value of a set of like coins less than one dollar.	1.MD.B.4	64, 83, 92		83	DT Grade 1 Measurement 3, 5–7, 12	Grade 1 Number and Algebra: Fractions and Money Test 4–8
	Represent and interpret data.	Organize, represent, and interpret data with up to three categories. Ask and answer questions.	1.MD.C.5	80, 97		80	DT Grade 1 Data 1–4, 6, 9, 10, 12–16	Grade 1 Statistics: Data Test 1–5
Geometry	Reason about shapes/solids and their attributes.	Distinguish between attributes that define a shape versus attributes that do not define the shape; build and draw two-dimensional shapes to possess defining attributes.	1.G.A.1	52, 62, 99, 140		52, 62	DT Grade 1 Geometry 1–3, 6–8, 10, 17–19	Grade 1 Geometry: Shape Test 1–6
		Create a composite figure and use the composite figure to make new figures by using two-dimensional shapes or three-dimensional solids.	1.G.A.2	69		69	DT Grade 1 Geometry 9, 13	
		Partition circles and rectangles into two and four equal shares, describe the shares using words and phrases.	1.G.A.3	61, 66			DT Grade 1 Patterns and Fractions 3, 5, 6, 11, 13, 14	Grade 1 Number and Algebra: Fractions and Money Test 1–3, 7



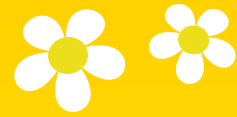




# Tennessee Academic Standards



## GRADE 2



				Mathseeds Lesson #			Additional Mathseeds Resources	
				Knowledge and Skills	Assessment	Higher Order Thinking Skills	Fluency	Assessment
Domain	Cluster	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	Represent and solve problems involving addition and subtraction.	Add and subtract within 100 to solve one- and two-step contextual problems, with unknowns in all positions.	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
	Add and subtract within 30.	Fluently add and subtract within 30 using mental strategies.	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
	Work with equal groups of objects to gain foundations for multiplication.	Determine whether a group of objects has an odd or even number of members by pairing objects or counting them by 2s. Write an equation to express an even number as a sum of two equal addends.	2.OA.C.3	108, 166		108	<b>DT</b> Grade 2 Operations 3	<b>Grade 2 Number and Algebra: Numbers to 1000</b> Test 6
		Use repeated addition to find the total number of objects arranged in rectangular 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	<b>DT</b> Grade 2 Operations 8, 9, 10, 19 <b>MM</b> Multiplication Sprints	<b>Grade 2 Number and Algebra: Equal Groups</b> Test 1–5
	Solve problems involving addition and subtraction and identify and explain patterns in arithmetic.	Identify arithmetic patterns in an addition or hundreds chart and explain them using properties of operations.	2.OA.D.5	117, 133		117	<b>DT</b> Grade 2 Patterns and Fractions 1–4, 6–10, 13	<b>Grade 2 Number and Algebra: Number Patterns</b> Test 3, 8
Number and Operations in Base Ten	Understand place value.	Know that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; Read and write numbers to 1000 using standard form, word form, and expanded form.	2.NBT.A.1 2.NBT.A.3	101, 105, 106, 117, 133, 140		101, 105, 106, 117	<b>DT</b> Grade 2 Number 1–13, 16–24 <b>DT</b> Grade 2 Patterns and Fractions 1–4, 6–10, 13	<b>Grade 2 Number and Algebra: Numbers to 1,000</b> Test 1–7 <b>Grade 2 Number and Algebra: Number Patterns</b> Test 1–8
		Recognize, describe, extend, and create patterns when counting by ones, twos, fives, tens, and hundreds and use those patterns to predict the next number in the counting sequence.	2.NBT.A.2	117, 133, 140		117	<b>DT</b> Grade 2 Patterns and Fractions 1–4, 6–10, 13	<b>Grade 2 Number and Algebra: Number Patterns</b> Test 1–8
		Compare two three-digit numbers based on the meanings of the digits in each place and use the symbols $>$ , $=$ , and $<$ to show the relationship.	2.NBT.A.4	106, 112, 122		106	<b>DT</b> Grade 2 Number 14, 15	<b>Grade 2 Number and Algebra: Numbers to 1,000</b> Test 6, 7
	Use place value understanding and properties of operations to add and subtract.	Fluently add and subtract within 100 using properties of operations, strategies based on place value, and/or the relationship between addition and subtraction; Add up to four two-digit numbers using properties of operations and strategies based on place value.	2.NBT.B.5 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> Test 2–4, 7
		Add and subtract within 100.	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> Test 5, 6, 8
		Mentally add or subtract 10 or 100 to/from any given number within 1000.	2.NBT.B.8	148		148	<b>DT</b> Grade 2 Operations 7, 13, 27, 28	
Measurement and Data	Measure and estimate lengths in standard units.	Measure the length of an object in whole number units by selecting and using appropriate tools; Estimate lengths using whole number units of inches, feet, yards, centimeters, and meters; Measure to determine how much longer one object is than another and express the difference.	2.MD.A.1 2.MD.A.2 2.MD.A.3 2.MD.A.4	104, 126, 140		104, 141	<b>DT</b> Grade 2 Measurement 6, 9, 11, 13, 15, 21–24	<b>Grade 2 Measurement: Informal Units</b> Test 3–7
	Relate addition and subtraction to length.	Add and subtract within 100 to solve contextual problems, with the unknown in any position, involving lengths; Represent whole numbers as lengths from 0 on a number line.	2.MD.B.5 2.MD.B.6	141, 143		104, 141	<b>DT</b> Grade 2 Measurement 15, 19, 24	<b>Grade 2 Measurement: Informal Units</b> Test 8
	Work with time and money.	Tell and write time in quarter hours and to the nearest five minutes using analog and digital clocks.	2.MD.C.7	109, 114, 123, 127			<b>DT</b> Grade 2 Measurement 7, 20	<b>Grade 2 Measurement: Time</b> Test 1–6
		Solve contextual problems involving amounts less than one dollar including quarters, dimes, nickels, and pennies. Solve contextual problems involving whole number dollar amounts up to \$100.	2.MD.C.8	125, 147		125, 130, 147	<b>DT</b> Grade 2 Measurement 12	<b>Grade 2 Number and Algebra: Fractions and Money</b> Test 4–8
	Represent and interpret data.	Given a set of data, create a line plot, where the horizontal scale is marked off in whole-number units; Draw a pictograph and a bar graph to represent a data set with up to four categories. Solve addition and subtraction problems related to the data in a graph.	2.MD.D.9 2.MD.D.10	143			<b>DT</b> Grade 2 Data and Chance 1, 4, 5, 7–14	<b>Grade 2 Statistics: Data</b> Test 1–5
Geometry	Reason about shapes and their attributes.	Identify triangles, quadrilaterals, pentagons, and hexagons. Draw two-dimensional shapes having specified attribute.	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> Test 1–5
		Partition a rectangle in rows and columns of same-sized squares and find the total number of squares; Partition circles and rectangles into two, three, and four equal shares. Describe the shares and the wholes using words. Recognize that equal shares of identical wholes need not have the same shape.	2.G.A.2 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> Test 1–3



# Tennessee Academic Standards



## GRADE 3

				Mathseeds Lesson #			Additional Mathseeds Resources	
Domain	Cluster	Standard	Code	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	Represent and solve problems involving multiplication and division.	Interpret the factors and products in whole number multiplication equations.	3.OA.A.1	74, 155		153, 168, 176, 181, 186, 188, 196	MM Multiplication Sprints	
		Interpret the dividend, divisor, and quotient in whole number division equations.	3.OA.A.2	71, 136, 165, 181, 190			MM Division Sprints	
		Multiply and divide within 100 to solve contextual problems, with the unknown in any positions.	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 within 100.	3.OA.A.4	186		186	MM Multiplication Sprints MM Division Sprints	
	Understand properties of multiplication and the relationship between multiplication and division.	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	
	Multiply and divide within 100.	Fluently multiply and divide within 100, using strategies such as the properties of operations or the relationship between multiplication and division.	3.OA.C.7	155, 158, 165, 168, 171, 176, 196, 199		186, 188, 193, 199	MM Multiplication Sprints MM Division Sprints	
	Solve problems involving the four operations and identify and explain patterns in arithmetic.	Solve two-step contextual problems using the four operations. Represent these problems using equations with a letter standing for the unknown quantity.	3.OA.D.8	183, 188, 193, 195		183, 188, 193, 195	MM Addition Sprints MM Subtraction Sprints MM Multiplication Sprints MM Division Sprints	
		Identify patterns in multiplication chart and explain them using properties of operations.	3.OA.D.9	153				
Number and Operations in Base Ten	Use place value understanding and properties of operations to perform multi-digit arithmetic.	Round whole numbers to the nearest 10 or 100 using understanding of place value and use a number line to explain how the number was rounded.	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 and divide within 100 to solve contextual problems, with the unknown in any positions.	3.NBT.A.3	155, 165, 171, 176, 188, 190			MM Multiplication Sprints MM Division Sprints	
		Read and write multi-digit whole numbers using standard form, word form, and expanded form.	3.NBT.A.4	151, 156, 161		161		
Number and Operations – Fractions	Develop understanding of fractions as numbers.	Understand a unit fraction, $\frac{1}{b}$ , as the quantity formed by 1 part when a whole is partitioned into $b$ equal parts; understand a non-unit fraction, $\frac{n}{b}$ , as the quantity formed by $n$ parts of size $\frac{1}{b}$ .	3.NF.A.1	138, 175		175		
		Understand a fraction as a number on the number line. Represent fractions on a number line.	3.NF.A.2	160, 191				
		Explain equivalence of fractions and compare fractions by reasoning about their size.	3.NF.A.3	180, 191, 197		180, 197		
Measurement and Data	Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects.	Tell and write time to the nearest minute and measure time intervals in minutes. Solve contextual problems involving addition and subtraction of time intervals in minutes.	3.MD.A.1a	162, 179, 185, 189				
		Solve one-step contextual problems involving amounts less than one dollar including quarters, dimes, nickels, and pennies. Solve contextual problems involving whole number dollar amounts up to \$1000.	3.MD.A.1b	159		159, 188		
		Measure the mass of objects and liquid volume using standard units of grams (g), kilograms (kg), milliliters (ml), and liters (l). Estimate the mass of objects and liquid volume using benchmarks.	3.MD.A.2	116, 135, 154, 172				
	Represent and interpret data.	Draw a pictograph and scale bar graph to represent a data set with several categories. Solve one- and two-step “how many more” and “how many less problems using information presented in graphs; Generate measurement data by measuring lengths. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units.	3.MD.B.3 3.MD.B.4	174, 182, 187, 198				
	Geometric measurement	Understand and apply concepts of area and relate area to multiplication and to addition.	3.MD.C.5 3.MD.C.6 3.MD.C.7	59, 149, 157, 200		182		
		Recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.	3.MD.D.8	192				
Geometry	Reason about shapes about their attributes.	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 recognize examples of quadrilaterals that do not belong to any of these subcategories.	3.G.A.1	152				
		Determine if a figure is a polygon.	3.G.A.3	184				

