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Massachusetts Curriculum Framework
for Mathematics 2017, Grade 2

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Massachusetts Curriculum Framework for Mathematics 2017 Grade 2	Item Code	SuccessMaker Item Description
(2.OA) Operations and Algebraic Thinking		
(2.OA.A) Represent and solve problems involving addition and subtraction.		
(2.OA.A.1) Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.	SMMA_LO_01000	Find the difference between two numbers (two-digit, presented as a sentence)
	SMMA_LO_01247	Choose an operation to solve a problem with extra information; then solve (addition or subtraction, basic facts).
	SMMA_LO_01250	Identify a number sentence that can be used to solve a problem with extra information (addition or subtraction, basic facts).
	SMMA_LO_01266	Work backwards to solve a problem with a missing number.
	SMMA_LO_01310	Calculate the difference between the life spans of two animals (differences 2 to 59).
	SMMA_LO_01538	Act out the solution to multi-step problem in context (addends, minuends 1 to 4).
	SMMA_LO_01551	Make a picture to solve a two-step problem in context (addition and subtraction).
	SMMA_LO_01552	Make a picture to solve a two-step problem in context (addition and subtraction).
	SMMA_LO_01556	Solve an addition problem in context (two-digit addends, sums less than 100, no regrouping).
	SMMA_LO_01558	Solve a problem with extra information (addition).
	SMMA_LO_01560	Solve a subtraction problem in context (two-digit minuends, one-digit subtrahends, no regrouping).
	SMMA_LO_01561	Solve a subtraction problem involving coins to find how much is left (two-digit numbers, no regrouping).

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	SMMA_LO_01563	Solve a subtraction problem to find a person's age (minuends 1 to 99, subtrahends 1 to 9, no regrouping).
	SMMA_LO_01567	Solve an addition problem in context (extra information, sums to 50, no regrouping).
	SMMA_LO_01574	Solve a problem in context by finding a missing addend (three addends, sums to 20).
	SMMA_LO_01581	Solve a subtraction problem in context (extra information, minuends 2 to 99, no regrouping).
	SMMA_LO_01587	Solve an addition problem in context (four addends, sums 0 to 25).
	SMMA_LO_01646	Read and interpret a table about temperature.
	SMMA_LO_01686	Solve a one-step equation (addition, sums to 100).
	SMMA_LO_01687	Identify the missing variable of addition or subtraction equations (sums 10 to 50, minuends 10 to 50).
	SMMA_LO_01695	Read and interpret a table.
	SMMA_LO_02162	Determine the unknown whole number in an equation relating four whole numbers.
(2.OA.B) Add and subtract within 20.		
(2.OA.B.2) Fluently add and subtract within 20 using mental strategies. By end of grade 2, know from memory all sums of two single-digit numbers and related differences.	SMMA_LO_02014	Identify the missing number (minuend, subtrahend, or difference) in a subtraction equation, for numbers 20 and less.
(2.OA.C) Work with equal groups of objects to gain foundations for multiplication.		
(2.OA.C.3) Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.	SMMA_LO_00966	Find a missing number in a sequence, counting by 2's (0 to 10), number line in feedback.
	SMMA_LO_01002	Find the missing two-digit number in a sequence of odd or even numbers.

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(2.OA.C.4) Use addition to find the total number of objects arranged in rectangular arrays with up to five rows and up to five columns; write an equation to express the total as a sum of equal addends.	SMMA_LO_00852	Use repeated addition to multiply (products 2 x 2 to 5 x 5).
	SMMA_LO_00853	Solve addition problems with doubles as prelude to multiplication.
	SMMA_LO_00019	Add doubles (sums 4 to 18).
(2.NBT) Number and Operations in Base Ten		
(2.NBT.A) Understand place value.		
(2.NBT.A.1) Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones; e.g., 706 equals 7 hundreds, 0 tens, and 6 ones. Understand the following as special cases:	SMMA_LO_01012	Use base-ten blocks to show a number (three-digit).
	SMMA_LO_01013	Enter a three-digit number in a place-value chart (base-ten block models, three-digit).
	SMMA_LO_01014	Identify a number with a given digit in the ones, tens, or hundreds place.
	SMMA_LO_01015	Find a number equal to 1 to 9 hundreds, 0 to 9 tens, and 0 to 9 ones.
	SMMA_LO_01025	Enter a three-digit number in a place-value chart (base-ten block models, three-digit).
(2.NBT.A.1.a) 100 can be thought of as a bundle of ten tens—called a "hundred."	SMMA_LO_02011	Given a number (1-9) of groups of 10 objects, determine how many more groups of 10 objects are needed to make a hundred.
(2.NBT.A.1.b) The numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones).	SMMA_LO_01007	Find a number equal to 1 to 9 hundreds.
	SMMA_LO_01008	Find the number of hundreds equivalent to a multiple of 100 (100 to 900).
(2.NBT.A.2) Count within 1,000; skip-count by 5s, 10s, and 100s. Identify patterns in skip counting starting at any number.	SMMA_LO_00992	Find a missing number in a sequence, counting by 10's (two-digit, non multiples of 10).
	SMMA_LO_01003	Find a missing number in a sequence, counting by 5's (5 to 50).

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	SMMA_LO_01004	Find a missing number in a sequence, counting up or down by 5's (two-digit).
	SMMA_LO_01021	Identify four numbers that are in consecutive order (three-digit).
	SMMA_LO_01030	Count by 2's, 4's, 5's, or 10's (2 to 20, 4 to 40, 5 to 50, 80 to 200).
	SMMA_LO_01231	Find the missing number in a sequence, counting by 5's or 10's.
(2.NBT.A.3) Read and write numbers to 1,000 using base-ten numerals, number names, and expanded form.	SMMA_LO_01009	Identify the word name for a three-digit number.
	SMMA_LO_01010	Identify the number represented by a set of objects (pictorial models of hundreds, tens, and ones; three-digit).
	SMMA_LO_01018	Identify the number, model, word name, or expanded notation that has a different value (three-digit).
	SMMA_LO_01033	Identify a number with a given digit in the ones, tens, hundreds, or thousands place.
	SMMA_LO_01042	Enter the number for a word name (100 to 999).
	SMMA_LO_01047	Find a number equal to 1 to 9 hundreds, 0 to 9 tens, and 0 to 9 ones.
(2.NBT.A.4) Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons.	SMMA_LO_00334	Compare sums (two-digit addends, multiples of 10).
	SMMA_LO_01019	Identify the greatest or least number (three-digit).
	SMMA_LO_01020	Find a number between two given numbers (1 to 999).
	SMMA_LO_01026	Identify the greatest or least number (three-digit).
	SMMA_LO_01027	Identify a number that is between two numbers, or before, after, or closer to a number (101 to 999).
	SMMA_LO_01029	Identify four numbers that are in consecutive order (three-digit).

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(2.NBT.B) Use place value understanding and properties of operations to add and subtract.		
(2.NBT.B.5) Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.	SMMA_LO_00040	Add a multiple of 10 and a one-digit number displayed horizontally (sums 11 to 99) using place value.
	SMMA_LO_00044	Add two multiples of 10 displayed horizontally (sums 20 to 90).
	SMMA_LO_00049	Add two addends displayed horizontally (one-digit and a two-digit addend, sums 11 to 99).
	SMMA_LO_00055	Find the sum of two numbers displayed horizontally (a one-digit and a two-digit addend, sums 20 to 98, regrouping), given horizontally.
	SMMA_LO_00062	Add three addends displayed horizontally (one-digit addends, sums 20 to 27).
	SMMA_LO_00064	Add two addends displayed horizontally (two-digit addends, sums 21 to 99).
	SMMA_LO_00067	Add two addends (student choice, two-digit addends, sums 30 to 98, regrouping ones).
	SMMA_LO_00069	Add three addends (student choice, one-digit addends, sums 20 to 27).
	SMMA_LO_00070	Find the missing addend in a number sentence (a one-digit and a two-digit addend, sums 10 to 99, no regrouping).
	SMMA_LO_00082	Find the missing addend in a number sentence (three addends, sums 20 to 27, regrouping).
	SMMA_LO_00084	Find the missing addend in a number sentence (two addends, sums 20 to 98, regrouping).
	SMMA_LO_00336	Solve for a or b in a + b = c (sums 10 to 108).
	SMMA_LO_00338	Solve for c in a - b = c (minuends 20 to 99, subtrahends 1 to 9, no regrouping).
	SMMA_LO_00340	Solve for c in a - b = c (minuends 20 to 99, two-digit subtrahends, no regrouping).
	SMMA_LO_00341	Solve for a or b in a + b = c (sums 12 to 98).
	SMMA_LO_00342	Solve for c in a - b = c (minuends 20 to 99, regrouping).
	SMMA_LO_00343	Solve for a or b in a - b = c (minuends 20 to 99, no regrouping).

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	SMMA_LO_00347	Solve for a or b in a - b = c (minuends 21 to 99, subtrahends 1 to 9, no regrouping).
	SMMA_LO_00989	Find the sum or difference when a two-digit number is added to or subtracted from a number (base-ten block models).
	SMMA_LO_01060	Identify a missing number in related addition and subtraction number sentences (two-digit sums, two-digit differences).
	SMMA_LO_01428	Subtract (student choice, minuends 21 to 95, subtrahends 1 to 9, no regrouping).
	SMMA_LO_01450	Subtract (minuends 21 to 99, subtrahends 1 to 9, no regrouping).
	SMMA_LO_01452	Subtract a multiple of 10 from a 2-digit number (minuends 11-99, vertical presentation).
	SMMA_LO_01454	Subtract (student choice, minuends 21 to 99, no regrouping).
	SMMA_LO_01462	Subtract two numbers displayed horizontally (counting up strategy, minuends 21 to 98, subtrahends 2 to 9, regrouping).
	SMMA_LO_01463	Subtract two-digit numbers with regrouping (vertical presentation).
	SMMA_LO_01470	Find the missing subtrahend in a subtraction number sentence (minuends 21 to 99).
	SMMA_LO_01472	Subtract two numbers displayed horizontally (counting up strategy, minuends 25 to 98, subtrahends 6 to 9, regrouping).
	SMMA_LO_01473	Add two addends (student choice, three-digit addends, sums 1000 to 1989, regrouping)
	SMMA_LO_01478	Find the missing minuend in a number sentence (minuends 21 to 99).
	SMMA_LO_01480	Find the missing subtrahend in a number sentence (minuends 10 to 99).
	SMMA_LO_01486	Find the missing minuend in a subtraction number sentence (minuends 10 to 99, no regrouping).
	SMMA_LO_01488	Subtract with regrouping (minuends 25-98).
	SMMA_LO_01491	Find the missing minuend in a subtraction number sentence (minuends 20-98, subtrahends 11-89)

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(2.NBT.B.6) Add up to four two-digit numbers using strategies based on place value and properties of operations.	SMMA_LO_00043	Add three multiples of 10 (student choice, sums 30 to 90).
	SMMA_LO_00051	Add three multiples of 10 (sums 100 to 190, regrouping).
	SMMA_LO_00056	Add three addends (two-digit addends, sums 33 to 99, no regrouping).
	SMMA_LO_00060	Add three addends (student choice, two-digit addends, sums 100 to 199, regrouping from tens to hundreds place).
	SMMA_LO_00079	Add three addends (student choice, one-digit and two-digit addends, sums 21 to 99, no regrouping).
	SMMA_LO_00087	Add three addends (student choice, one- and two-digit addends, sums 20 to 99, no regrouping).
	SMMA_LO_00090	Add three addends (student choice, one- and two-digit addends, sums 30 to 98, regrouping ones).
	SMMA_LO_00092	Add three addends (student choice, one- and two-digit addends, sums 100 to 207, regrouping).
	SMMA_LO_00095	Add three addends (student choice, two-digit addends, sums 40 to 297, regrouping).
(2.NBT.B.7) Add and subtract within 1,000, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction; relate the strategy to a written method. Understand that in adding or subtracting three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds.	SMMA_LO_00046	Add two multiples of 100 (student choice, sums 200 to 900).
	SMMA_LO_00047	Add two multiples of 10 (student choice, sums 20 to 180).
	SMMA_LO_00053	Add two addends (student choice, two-digit addends, sums 100 to 189, regrouping 10's to 100's).
	SMMA_LO_00058	Add two numbers (student choice, three-digit addends, sums 200 to 999, no regrouping).

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	SMMA_LO_00059	Add two addends (student choice, a two-digit and a three-digit addend, sums 120 to 998, regrouping).
	SMMA_LO_00061	Add two addends (student choice, three-digit addends, sums 200 to 998, regrouping).
	SMMA_LO_00065	Add two addends (student choice, a two-digit and a three-digit addend, sums 100 to 999, no regrouping).
	SMMA_LO_00068	Add two addends displayed horizontally (multiples of 10, sums 100 to 180, regrouping).
	SMMA_LO_00071	Add two addends (student choice, three-digit addends, sums 200 to 999, no regrouping).
	SMMA_LO_00075	Add two addends (student choice, two-digit addends, sums 100 to 198, regrouping ones and tens).
	SMMA_LO_00081	Add two addends (student choice, three-digit addends, sums 300 to 989, regrouping tens).
	SMMA_LO_00083	Add two addends (student choice, a two-digit and a three-digit addend, sums 120 to 999, regrouping ones and tens).
	SMMA_LO_00085	Add two addends (student choice, three-digit addends, sums 210 to 999, regrouping ones).
	SMMA_LO_00086	Find the missing addend in a number sentence (two addends, sums 100 to 199, regrouping), given horizontally.
	SMMA_LO_00088	Find the missing addend in an number sentence (a two-digit and a three-digit addend, multiples of 10, sums 110 to 990).
	SMMA_LO_00345	Solve for a or b in a + b = c (sums 101 to 199, no regrouping).
	SMMA_LO_01016	Find a number that is one fewer, one greater, just before, or just after a three-digit number.
	SMMA_LO_01017	Find the sum or difference when ones, tens, or hundreds are added to or subtracted from a three-digit number (base-ten block models).
	SMMA_LO_01447	Subtract two multiples of 100 (student choice, minuends 200 to 900, subtrahends 100 to 800).
	SMMA_LO_01448	Subtract two multiples of 10 (minuends 100 to 180, subtrahends 10 to 90).

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	SMMA_LO_01456	Subtract (student choice, minuends 110 to 199, two-digit subtrahends, no regrouping).
	SMMA_LO_01457	Subtract (student choice, minuends 122 to 199, subtrahends 11 to 88, no regrouping).
	SMMA_LO_01458	Subtract a three-digit multiple of 10 from a number (student choice, minuends 222 to 999, no regrouping).
	SMMA_LO_01460	Subtract (student choice, minuends and subtrahends 110 to 999).
	SMMA_LO_01467	Find the difference of two three-digit numbers.
	SMMA_LO_01469	Find the difference of two three-digit numbers (no regrouping).
	SMMA_LO_01471	Find the difference of two whole numbers (student choice, three-digit minuends, two-digit subtrahends, regrouping from hundreds place to tens place).
	SMMA_LO_01475	Find the difference of two whole numbers (student choice, three-digit minuends, two-digit subtrahends, regrouping from tens place to ones place).
	SMMA_LO_01477	Find the difference of two three-digit numbers (student choice, no regrouping).
	SMMA_LO_01479	Find the difference of two whole numbers (student choice, minuends 201 to 999, subtrahends 11 to 99, regrouping).
	SMMA_LO_01481	Find the difference of two whole numbers (student choice, three-digit minuends, two-digit subtrahends, regrouping from hundreds place to tens place).
	SMMA_LO_01483	Find the difference of two three-digit numbers (student choice, regrouping from the tens to the ones place).
	SMMA_LO_01485	Find the difference of two three-digit numbers (student choice, regrouping from the tens to the ones place).
	SMMA_LO_01487	Find the difference of two three-digit numbers (student choice, regrouping from the tens to the ones place).
	SMMA_LO_01489	Find the difference of two whole numbers (student choice, regrouping from tens place to ones place and hundreds place to tens place).

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	SMMA_LO_01490	Find the difference of two three-digit numbers (student choice, regrouping from the tens to the ones place and the hundreds to the tens place).
	SMMA_LO_01492	Subtract a two-digit number from a three-digit number (regrouping from the tens place and hundreds place).
	SMMA_LO_02186	Use place value to determine the number that is 10 or 100 more or less than a given number
	SMMA_LO_00074	Find the missing addend in a number sentence (multiples of 10, sums 100 to 180).
(2.NBT.B.8) Mentally add 10 or 100 to a given number 100–900, and mentally subtract 10 or 100 from a given number 100–900.	SMMA_LO_00057	Add two addends (100 and a three-digit number, sums 200 to 900).
	SMMA_LO_01459	Subtract 100 from a three-digit number presented in a sentence.
(2.NBT.B.9) Explain why addition and subtraction strategies work, using place value and the properties of operations.	SMMA_LO_02012	Explain how to solve an addition problem, either by using place value blocks or by rewriting the problem.
	SMMA_LO_02013	Explain how to solve a subtraction problem, either by using place value blocks or by rewriting the problem as an addition problem.
(2.MD) Measurement and Data		
(2.MD.A) Measure and estimate lengths in standard units.		
(2.MD.A.1) Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.	SMMA_LO_00703	Measure the length of an object to the nearest inch (2 to 6 inches).
	SMMA_LO_00750	Measure the length of an object to the nearest centimeter (3 to 12 cm).
	SMMA_LO_00755	Measure the length of an object to the nearest inch (1 to 6 inches).
	SMMA_LO_00762	Measure the length of an object to the nearest centimeter (4 to 12 centimeters).
	SMMA_LO_00785	Measure the length of an object in centimeters or inches (whole numbers).
	SMMA_LO_00758	Identify a vertical distance (2 to 9 centimeters).

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	SMMA_LO_00780	Identify the reasonable length of an object (inches, feet, and yards).
	SMMA_LO_00812	Select the appropriate ruler to measure vertical or horizontal lengths.
(2.MD.A.2) Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.	SMMA_LO_02003	Measure the length of an object in cm and inches; relate the two measurements to the sizes of the units.
(2.MD.A.3) Estimate lengths using units of inches, feet, centimeters, and meters.	SMMA_LO_00728	Identify an object given the estimated height and width in customary units.
(2.MD.A.4) Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard length unit.	SMMA_LO_02015	Measure two objects in inches; determine how much longer one object is than the other.
(2.MD.B) Relate addition and subtraction to length.		
(2.MD.B.5) Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.	SMMA_LO_00748	Find the total length of two to four objects laid end to end (2 to 6 inches).
	SMMA_LO_00753	Measure two lengths and find the sum (metric, sums 2 to 9).
	SMMA_LO_00756	Measure two metric lengths, write an addition problem, and find the sum (sums 2 to 12 centimeters).
(2.MD.B.6) Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2, …, and represent whole-number sums and differences within 100 on a number line diagram.	SMMA_LO_00961	Find a missing number on a number line (0 to 9).
	SMMA_LO_00962	Find a number that is one fewer or one greater than a given number (1 to 9), number line in feedback.
	SMMA_LO_00963	Identify two numbers within a range (1 to 9), number line in feedback.

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	SMMA_LO_00993	Identify a number on a number line between two given numbers (1 to 9).
	SMMA_LO_00996	Find a missing number for a point on a number line (two-digit).
	SMMA_LO_01034	Find the missing numbers on a number line, counting by 3s, 4s, 5, etc., to 9s.
	SMMA_LO_01037	Enter a number on a partially numbered number line (100 to 999).
	SMMA_LO_02188	Represent whole numbers as distances from any given location on a number line.
(2.MD.C) Work with time and money.		
(2.MD.C.7) Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.	SMMA_LO_00744	Set time to 5-minute intervals using digital and analog clocks.
	SMMA_LO_00779	Identify another way to state the time (minutes before or after the hour).
	SMMA_LO_00806	Match digital times with descriptions (e.g., quarter to or quarter past).
(2.MD.C.8) Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies (up to $10), using $ and ¢ symbols appropriately and whole dollar amounts.	SMMA_LO_00143	Determine the number of cents in 1 to 100 pennies, 1 to 20 nickels, or 1 to 10 dimes.
	SMMA_LO_00165	Determine the value of a combination of nickels, dimes, and quarters (values to $5.00).
	SMMA_LO_00180	Identify the number of dollars and dimes that represent a given amount ($1.10 to $3.50).
	SMMA_LO_00183	Write the value of a set of dimes in dollar form ($1.10 to $3.90).
	SMMA_LO_00699	Enter the amount of money shown (1 to 5 cents in pennies).
	SMMA_LO_00704	Enter the amount of money shown (6 to 9 cents in pennies).
	SMMA_LO_00715	Enter the amount of money shown (11 to 50 cents in pennies and dimes).
	SMMA_LO_00738	Find equivalence of nickels and dimes (1 to 5 dimes).
	SMMA_LO_00740	Identify the given amount of money in coins (5 to 50 cents in nickels and dimes).
	SMMA_LO_00745	Show another way to represent an amount of money (10 to 24 cents in pennies, nickels, and dimes).
	SMMA_LO_00760	Enter the amount of money shown (10 to 99 cents).

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	SMMA_LO_00765	Identify the set of coins that has greater value (16 to 75 cents in pennies, nickels, dimes, and quarters).
	SMMA_LO_00774	Show a decimal money amount in dollars and coins ($1.00 to $5.00).
	SMMA_LO_00778	Show the given amount of money in coins (25 to 90 cents in pennies, nickels, dimes, and quarters).
	SMMA_LO_00784	Write the value of a set of coins as a decimal amount ($1.00 to $3.20).
	SMMA_LO_01541	Identify items that can be purchased for a nickel.
	SMMA_LO_01543	Solve an addition problem involving money (sums 3 to 9 cents).
	SMMA_LO_01579	Solve a subtraction problem involving coins (two-digit numbers, no regrouping).
	SMMA_LO_01584	Make a picture to solve a multiplication problem involving total cost (2 to 5 items, 5, 10, or 15 cents each).
	SMMA_LO_01611	Find the total value of a group of quarters, dimes, nickels, and pennies (sums to $1.65).
	SMMA_LO_00698	Identify nickels or dimes.
	SMMA_LO_00702	Identify the coin worth 1, 5, 10, or 25 cents.
	SMMA_LO_00727	Identify the coin equivalent to 5, 10, or 25 pennies.
(2.MD.D) Represent and interpret data.		
(2.MD.D.9) Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Organize and record the data on a line plot (dot plot) where the horizontal scale is marked off in whole-number units.	SMMA_LO_01554	Identify the value that is greater than one number and less than another in context.
	SMMA_LO_01164	Identify the most frequent value (mode) using a line plot.
	SMMA_LO_01764	Read and interpret a line plot.
	SMMA_LO_01156	Analyze a line plot to find the total number of items that fall at, above, or below a given value.
	SMMA_LO_01643	Choose a title for a line plot and label the units.

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(2.MD.D.10) Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems, using information presented in a bar graph.	SMMA_LO_00138	Read and interpret a horizontal or vertical pictograph (four to six items).
	SMMA_LO_01130	Create a vertical bar graph from a table and interpret data in the graph.
	SMMA_LO_01131	Interpret the shorter or taller bar of a vertical bar graph as having fewer or more items.
	SMMA_LO_01133	Identify the two-column vertical bar graph that shows one category has fewer than, the same number as, or more than the other category.
	SMMA_LO_01135	Identify the vertical bar graph that shows a strictly increasing or decreasing trend.
	SMMA_LO_01144	Collect, tally, and graph the results generated by a spinner.
	SMMA_LO_01146	Construct a vertical bar graph based on data from a horizontal bar graph.
	SMMA_LO_01148	Identify the number of categories in a vertical bar graph that are less than, equal to, and greater than a given value.
	SMMA_LO_01150	Construct a horizontal bar graph based on data from a vertical bar graph.
	SMMA_LO_01158	Read and interpret a pictograph with a scale of 2, 5 or 10.
	SMMA_LO_01302	Read and interpret data about tree growth from a bar graph.
	SMMA_LO_01303	Given a bar graph of tree growth, calculate the height a tree grew from one year to another.
	SMMA_LO_01304	Read a bar graph and answer questions about tree growth over time.
	SMMA_LO_01134	Identify a vertical bar graph that represents data in a table.
	SMMA_LO_01136	Identify the table that represents the data in a vertical bar graph.
	SMMA_LO_01138	Label the categories of a vertical bar graph based on data from a table.
	SMMA_LO_01154	Analyze a bar graph to find the number of bars that fall within a given range.
	SMMA_LO_01156	Analyze a line plot to find the total number of items that fall at, above, or below a given value.

Massachusetts Curriculum Framework for Mathematics 2017 Grade 2	Item Code	SuccessMaker Item Description
	SMMA_LO_01645	Create a table based on data from a bar graph.
(2.G) Geometry		
(2.G.A) Reason with shapes and their attributes.		
(2.G.A.1) Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, squares, rectangles, rhombuses, trapezoids, pentagons, hexagons, and cubes.	SMMA_LO_00578	Identify a shape with positive and negative tests.
	SMMA_LO_00627	Identify polygons and circles (pentagons, hexagons, octagons, parallelograms).
(2.G.A.2) Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.	SMMA_LO_00706	Count squares to find the area (2 to 8 units).
(2.G.A.3) Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of, a third of, etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape.	SMMA_LO_00561	Match halves of figures (left and right).
	SMMA_LO_00563	Match halves of figures (top and bottom).