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SuccessMaker®

Alabama Mathematics Course of Study 2019
Grade 2

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Alabama Mathematics Standards Code	Alabama Mathematics Course of Study 2019 Grade 2	SuccessMaker Item Description	Item ID
OA	Operations and Algebraic Thinking		
	Represent and solve problems involving addition and subtraction.		
OA.1	Use addition and subtraction within 100 to solve one- and two-step word problems by using drawings and equations with a symbol for the unknown number to represent the problem.	Solve a subtraction problem in context (extra information, minuends 2 to 99, no regrouping).	SMMA_LO_01581
		Add two addends displayed horizontally (two-digit addends, sums 21 to 99).	SMMA_LO_00064
		Solve an addition problem in context (two-digit addends, sums less than 100, no regrouping).	SMMA_LO_01556
		Add three addends (student choice, one-digit and two-digit addends, sums 21 to 99, no regrouping).	SMMA_LO_00079
		Add two addends (student choice, two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00067
		Add three addends (student choice, one- and two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00090
	Add and subtract within 20.		
OA.2	Fluently add and subtract within 20 using mental strategies such as counting on, making ten, decomposing a number leading to ten, using the relationship between addition and subtraction, and creating equivalent but easier or known sums.	Add ten to a number (sums 11 to 19), given in words.	SMMA_LO_00038
		Subtract using basic math facts (student choice, minuends 16 to 19, subtrahends 1 to 9).	SMMA_LO_01433
		Practice addition using basic facts; sums less than or equal to 20.	SMMA_SG_00390
		Identify the operation from pictures and contexts up to 20.	SMMA_LO_00321

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		Subtract using basic math facts (minuends 11 to 18, subtrahends 1 to 9).	SMMA_LO_01436
		Find the missing negative addend in a number sentence (sums 1 to 8).	SMMA_LO_00105
		Find the missing addend in a number sentence (missing addends -10 to 10, sums -20 to 20).	SMMA_LO_00110
		Identify the missing number (addend or sum) in an addition equation, for numbers 20 and less.	SMMA_LO_02010
		Find the missing one-digit addend in a number sentence (positive or negative integers, sums are 0).	SMMA_LO_00102
		Add two numbers presented in words using basic math facts (sums 1 to 18).	SMMA_LO_00024
		Subtract vertically (minuends 11 to 19, subtrahends 1 to 9, no regrouping).	SMMA_LO_01445
		Addition and Subtraction Targeted Lesson 1: Counting On and Back by 1s for Numbers 1 to 20	
		Find the missing addend in a number sentence (sums -20 to 20).	SMMA_LO_00122
		Subtract two numbers displayed horizontally (counting up strategy, minuends 21 to 98, subtrahends 2 to 9, regrouping).	SMMA_LO_01462
		Subtract using basic math facts (minuends 11 to 19, subtrahends 1 to 8).	SMMA_LO_01435
		Subtract using basic math facts (minuends 15 to 18, subtrahends 6 to 9).	SMMA_LO_01434
		Subtract 10 from a two-digit number (student choice, minuends 11 to 19).	SMMA_LO_01441
		Addition and Subtraction Targeted Lesson 8: Addition and Subtraction Word Problems with Numbers Between 1 and 20	

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		Decompose numbers from 11 to 19 into ten ones and some further ones.	SMMA_LO_02094
		Find the missing subtrahend in a number sentence (minuends 0 to 10, subtrahends 2 to 11, negative differences).	SMMA_LO_01509
		Subtract a one-digit number from a two-digit number displayed horizontally (minuends 11 to 19, subtrahends 1 to 9).	SMMA_LO_01443
		Add using basic math facts displayed horizontally (sums 10 to 18).	SMMA_LO_00042
		Add vertically using basic math facts (sums 11 to 18).	SMMA_LO_00022
		Addition and Subtraction Targeted Lesson 5: Using Addition to Subtract	
		Identify the missing number (minuend, subtrahend, or difference) in a subtraction equation, for numbers 20 and less.	SMMA_LO_02014
		Ratios and Equations Targeted Lesson 8: Relating Addition and Subtraction of Positive and Negative Numbers	
		Relate counting to addition and subtraction.	SMMA_LO_02010
		Add a two-digit number to a one-digit number by counting (sums up to 18), given in words.	SMMA_LO_00039
		Identify the number sentence that solves a subtraction problem in context (minuends 11 to 18, subtrahends 1 to 9).	SMMA_LO_01439
		Identify the common multiples for two to three numbers (2 to 20).	SMMA_LO_01096
		Practice addition using basic facts; sums less than or equal to 20.	SMMA_SG_00470
		Subtract two numbers displayed horizontally (counting up strategy, minuends 25 to 98, subtrahends 6 to 9, regrouping).	SMMA_LO_01472

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		Add 9 to a number (sums 10 to 18), given in words.	SMMA_LO_00045
		Practice division using basic facts; dividend, divisor less than or equal to 20.	SMMA_SG_00620
		Compare numbers using < or > symbols (1 to 19).	SMMA_LO_00325
		Apply the Commutative Property of Addition as a strategy to add two numbers; use fact families as a strategy to subtract two numbers.	SMMA_LO_02021
		Practice division using basic facts; dividend, divisor less than or equal to 20.	SMMA_SG_00600
		Find a missing number in a sequence, counting by 1's (1 to 20).	SMMA_LO_00951
		Add doubles (sums 2 to 18).	SMMA_LO_00017
		Identify a - b as equivalent to a + (-b), where a and b are 1 to 20.	SMMA_LO_01514
		Addition and Subtraction Targeted Lesson 16: Subtracting Two-Digit Numbers: Strategies Including "Think Addition"	
		Practice addition using basic facts; sums less than or equal to 20.	SMMA_SG_00410
		Identify a number not equivalent to four others.	SMMA_LO_01116
		Find the missing two-digit addend in a number sentence (sums are 0, missing addend is first).	SMMA_LO_00104
		Add doubles (sums 4 to 18).	SMMA_LO_00019
		Find the missing addend in a number sentence (three addends, -10 to 10).	SMMA_LO_00123
		Find a missing number in a sequence, counting by 1's (10 to 20).	SMMA_LO_00970
		Identify a missing number in an addition and subtraction fact family.	SMMA_LO_01035
		Add two addends vertically (sums 10 to 18).	SMMA_LO_00041

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		Add two consecutive addends (one-digit addends, sums 1 to 17).	SMMA_LO_00020
		Subtract 10 from a number (minuends 11 to 19, horizontal presentation).	SMMA_LO_01442
		Model the numbers from 11 to 19 with place value blocks.	SMMA_LO_02018
		Add using basic math facts displayed horizontally (sums 10 to 18).	SMMA_LO_00023
		Subtract vertically using basic math facts (minuends 15 to 18, subtrahends 6 to 9).	SMMA_LO_01444
		Find the missing two-digit addend in a number sentence (sums are 0).	SMMA_LO_00103
		Divide (combinations 2 x 13 to 5 x 19, no remainder).	SMMA_LO_00305
		Find the missing subtrahend in a number sentence (minuends -9 to 0, differences -9 to 0).	SMMA_LO_01512
		Add two consecutive addends displayed horizontally (one-digit addends, sums 1 to 17).	SMMA_LO_00021
		Practice division using basic facts; dividend, divisor less than or equal to 20.	SMMA_SG_00670
OA.2.a	State automatically all sums of two one-digit numbers.		
		Practice addition using basic facts; sums less than or equal to 20.	SMMA_SG_00390
		Add three addends displayed horizontally (one-digit addends, sums 20 to 27).	SMMA_LO_00062
		Act out the problem to find the sum (basic facts).	SMMA_LO_01241
		Add two numbers presented in words using basic math facts (sums 1 to 18).	SMMA_LO_00024
		Practice addition using basic facts; sums less than or equal to 10.	SMMA_SG_00220
		Add two addends in words (one-digit addends, sums 6 to 10).	SMMA_LO_00016
		Add using basic math facts (addends 0 to 5, sums 1 to 5).	SMMA_LO_00014

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		Add using basic math facts displayed horizontally (sums 10 to 18).	SMMA_LO_00042
		Add vertically using basic math facts (sums 11 to 18).	SMMA_LO_00022
		Add using basic math facts (sums 1 to 5).	SMMA_LO_00010
		Practice addition using basic facts; sums less than or equal to 15.	SMMA_SG_00310
		Identify and solve a number sentence for an addition problem in context (sums 2 to 9).	SMMA_LO_01555
		Practice addition using basic facts; sums less than or equal to 15.	SMMA_SG_00300
		Add two addends (sums 6 to 10).	SMMA_LO_00012
		Add using basic math facts displayed horizontally (sums 6 to 10).	SMMA_LO_00013
		Practice addition using basic facts; sums less than or equal to 10.	SMMA_SG_00200
		Practice addition using basic facts; sums less than or equal to 20.	SMMA_SG_00470
		Practice addition using basic facts; sums less than or equal to 15.	SMMA_SG_00270
		Add using basic math facts displayed horizontally (sums 2 to 5).	SMMA_LO_00011
		Add two consecutive addends (one-digit addends, sums 1 to 17).	SMMA_LO_00020
		Practice addition using basic facts; sums less than or equal to 10.	SMMA_SG_00210
		Add using basic math facts displayed horizontally (sums 10 to 18).	SMMA_LO_00023
		Practice addition using basic facts; sums less than or equal to 10.	SMMA_SG_00250
		Add two consecutive addends displayed horizontally (one-digit addends, sums 1 to 17).	SMMA_LO_00021

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		Practice addition using basic facts; sums less than or equal to 15.	SMMA_SG_00340
		Identify and solve a number sentence for an addition problem in context (sums 2 to 9).	SMMA_LO_01553
	Work with equal groups of objects to gain foundations for multiplication.		
OA.3	Use concrete objects to determine whether a group of up to 20 objects is even or odd.	Pair objects or count by twos to find groups that have an even number of objects.	SMMA_LO_02163
		Identify if a sum or difference of two numbers is odd or even (one- or two-digit numbers).	SMMA_LO_01079
		Find the missing two-digit number in a sequence of odd or even numbers.	SMMA_LO_01002
		Identify an even or odd number (2 to 99).	SMMA_LO_01050
		Identify if the sum, difference, or product of two numbers is even or odd.	SMMA_LO_01086
		Identify the expression whose sum is odd or even (basic facts).	SMMA_LO_01053
		Identify odd or even numbers (two- and three-digit).	SMMA_LO_01054
OA.4	Using concrete and pictorial representations and repeated addition, determine the total number of objects in a rectangular array with up to 5 rows and up to 5 columns.	Multiplication and Division Targeted Lesson 25: Using Addition and Multiplication to Find the Area of Rectangles	
OA.4.a	Write an equation to express the total number of objects in a rectangular array with up to 5 rows and up to 5 columns as a sum of equal addends.	Use partial sums and arrays to solve a two-digit by a one-digit multiplication problem.	SMMA_LO_01716
		Multiplication and Division Targeted Lesson 25: Using Addition and Multiplication to Find the Area of Rectangles	
	Understand simple patterns.		
OA.5	Reproduce, extend, create, and describe patterns and sequences using a variety of materials.	Extend a 1-1-2 or 1-2-2 pattern of congruent shapes.	SMMA_LO_00558
		Find the missing decimal number in a pattern (addition).	SMMA_LO_00253

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		Extend a geometric pattern.	SMMA_LO_01691
		Multiplication and Division Targeted Lesson 36: Repeating Shape Patterns	
		Extend a 1-2-3 pattern of similar figures.	SMMA_LO_00560
		Extend an iterative pattern.	SMMA_LO_01754
		Extend a 1-2-1-2 pattern of geometric figures.	SMMA_LO_00520
		Extend a 1-2-3 pattern of geometric figures.	SMMA_LO_00585
		Extend a 1-1-2-2 pattern of pictures.	SMMA_LO_00521
		Extend a 1-2-2 pattern of pictures.	SMMA_LO_00556
		Extend a 1-1-2-2 pattern of geometric figures.	SMMA_LO_00522
		Extend a 1-2-1-2 pattern of pictures.	SMMA_LO_00519
NBT	Operations with Numbers: Base Ten		
	Understand place value.		
NBT.6	Explain that the three digits of a three-digit number represent amounts of hundreds, tens, and ones.	Identify a number with a given digit in the ones or tens place.	SMMA_LO_00995
		Find a number equal to 1 to 9 hundreds, 0 to 9 tens, and 0 to 9 ones.	SMMA_LO_01047
		Identify the number represented by a set of objects (pictorial models of hundreds, tens, and ones; three-digit).	SMMA_LO_01010
		Identify a number with a given digit in the ones, tens, or hundreds place.	SMMA_LO_01014
		Use base-ten blocks to show a number (three-digit).	SMMA_LO_01012
		Find a number equal to 1 to 9 hundreds, 0 to 9 tens, and 0 to 9 ones.	SMMA_LO_01015
		Enter a three-digit number in a place-value chart (base-ten block models, three-digit).	SMMA_LO_01025
		Enter a three-digit number in a place-value chart (base-ten block models, three-digit).	SMMA_LO_01013

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NBT.6.a	Explain the following three-digit numbers as special cases: 100 can be thought of as a bundle of ten tens, called a "hundred," and 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).	Find a number equal to 1 to 9 hundreds.	SMMA_LO_01007
		Find the number of hundreds equivalent to a multiple of 100 (100 to 900).	SMMA_LO_01008
NBT.7	Count within 1000 by ones, fives, tens, and hundreds.	Identify the multiple of 5 that is closer to a number (25 to 94).	SMMA_LO_01006
		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_01030
		Count by 5's, 6's, or 7's (through 70).	SMMA_LO_01058
		Count by 2's, 3's, or 10's (11 to 209, not multiples of 2, 3, 10).	SMMA_LO_01056
		Find a missing number in a sequence, counting by 1's (1 to 20).	SMMA_LO_00951
		Find the missing numbers on a number line, counting by 3s, 4s, 5, etc., to 9s.	SMMA_LO_01034
		Find a missing number in a sequence, counting by 1's (10 to 20).	SMMA_LO_00970
		Find a missing number in a sequence, counting by 10's (10 to 100, visual support).	SMMA_LO_00971
		Find a missing number in a sequence, counting by 1's (51 to 99).	SMMA_LO_00983
		Find a missing number in a sequence, counting by 10's (10 to 100).	SMMA_LO_00981
		Find a missing number in a sequence, counting by 1's (11 to 50).	SMMA_LO_00982
NBT.8	Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.	Add ten to a number (sums 11 to 19), given in words.	SMMA_LO_00038
		Identify the number of objects for a word name. (1 to 9 objects).	SMMA_LO_00964

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		Identify the number, model, word name, or expanded notation that has a different value (three-digit).	SMMA_LO_01018
		Enter the number for a word name (1000 to 9999).	SMMA_LO_01065
		Identify a two-digit number, model, or expression that has a different value.	SMMA_LO_00991
		Enter the number for a word name (two-digit).	SMMA_LO_01001
		Add 9 to a number (sums 10 to 18), given in words.	SMMA_LO_00045
		Identify a word name for a four-, five- or six-digit numbers.	SMMA_LO_01043
		Enter the number for a word name (100 to 999).	SMMA_LO_01042
		Identify a number from a spoken number (6 to 9).	SMMA_LO_00944
		Relate word names, expanded form, and numbers of four-digit numbers.	SMMA_LO_02214
		Identify a written number from a spoken number (two-digit).	SMMA_LO_00977
		Identify a number from a spoken number (1 to 5).	SMMA_LO_00937
		Identify the word name for a three-digit number.	SMMA_LO_01009
NBT.9	Compare two three-digit numbers based on the value of the hundreds, tens, and ones digits, recording the results of comparisons with the symbols >, =, and < and orally with the words "is greater than," "is equal to," and "is less than."	Identify the symbol (< or >) needed to complete the inequality.	SMMA_LO_00254
		Addition and Subtraction Targeted Lesson 28: Comparing Numbers to 1,000	
		Identify a number that is between two numbers, or before, after, or closer to a number (101 to 999).	SMMA_LO_01027
		Identify a set of numbers between two numbers, or less than or greater than a given number (101 to 999).	SMMA_LO_01068
		Identify a number that is greater than or less than a spoken number (1 to 9).	SMMA_LO_00946

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		Compare numbers using < or > symbols (1 to 19).	SMMA_LO_00325
		Compare two whole numbers (three to seven-digit numbers).	SMMA_LO_01711
		Compare numbers using < or > symbols (20 to 99).	SMMA_LO_00328
	Use place value understanding and properties of operations to add and subtract.		
NBT.10	Fluently add and subtract within 100, using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.	Complete fact families with four facts (sums 3 to 10).	SMMA_LO_00322
		Find the missing one-digit addend in a number sentence (positive or negative integers, sums are 0).	SMMA_LO_00102
		Solve a subtraction problem in context (extra information, minuends 2 to 99, no regrouping).	SMMA_LO_01581
		Find the missing addend in a number sentence (sums -20 to 20).	SMMA_LO_00122
		Add two addends displayed horizontally (two-digit addends, sums 21 to 99).	SMMA_LO_00064
		Find the missing subtrahend in a number sentence (minuends 0 to 10, subtrahends 2 to 11, negative differences).	SMMA_LO_01509
		Addition and Subtraction Targeted Lesson 5: Using Addition to Subtract	
		Solve an addition problem in context (two-digit addends, sums less than 100, no regrouping).	SMMA_LO_01556
		Add three addends (student choice, one-digit and two-digit addends, sums 21 to 99, no regrouping).	SMMA_LO_00079
		Add two addends (student choice, two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00067

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		Apply the Commutative Property of Addition as a strategy to add two numbers; use fact families as a strategy to subtract two numbers.	SMMA_LO_02021
		Create a fact family (addition and subtraction).	SMMA_LO_01857
		Addition and Subtraction Targeted Lesson 16: Subtracting Two-Digit Numbers: Strategies Including "Think Addition"	
		Apply properties of operations to add two linear expressions.	SMMA_LO_02149
		Add three addends (student choice, one- and two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00090
NBT.11	Use a variety of strategies to add up to four two-digit numbers.	Addition and Subtraction Targeted Lesson 11: Adding Two-Digit Numbers Mentally	
		Add three multiples of 10 (student choice, sums 30 to 90).	SMMA_LO_00043
		Add two addends (student choice, two-digit addends, sums 100 to 198, regrouping ones and tens).	SMMA_LO_00075
		Add three addends (student choice, two-digit addends, sums 40 to 297, regrouping).	SMMA_LO_00095
		Addition and Subtraction Targeted Lesson 9: Multiples of 10 That Add Up to 100	
		Add two addends displayed horizontally (two-digit addends, sums 21 to 99).	SMMA_LO_00064
		Add three addends (student choice, two-digit addends, sums 100 to 199, regrouping from tens to hundreds place).	SMMA_LO_00060
		Add three multiples of 10 (sums 100 to 190, regrouping).	SMMA_LO_00051
		Solve an addition problem in context (two-digit addends, sums less than 100, no regrouping).	SMMA_LO_01556
		Add two multiples of 10 displayed horizontally (sums 20 to 90).	SMMA_LO_00044

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		Add two multiples of 10 (student choice, sums 20 to 180).	SMMA_LO_00047
		Add three addends (two-digit addends, sums 33 to 99, no regrouping).	SMMA_LO_00056
		Add two addends (student choice, two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00067
		Add two addends displayed horizontally (multiples of 10, sums 100 to 180, regrouping).	SMMA_LO_00068
		Find the sum or difference when a two-digit number is added to or subtracted from a number (base-ten block models).	SMMA_LO_00989
		Addition and Subtraction Targeted Lesson 15: Adding Three or More Two-Digit Numbers	
		Addition and Subtraction Targeted Lesson 12: Adding Two-Digit Numbers: Two Strategies	
		Add two multiples of 10 (student choice, sums 20 to 90).	SMMA_LO_00025
		Add two addends (student choice, two-digit addends, sums 100 to 189, regrouping 10's to 100's).	SMMA_LO_00053
NBT.12	Add and subtract within 1000 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.	Complete fact families with four facts (sums 3 to 10).	SMMA_LO_00322
		Addition and Subtraction Targeted Lesson 21: Adding Three-Digit Numbers Using Partial Sums	
		Addition and Subtraction Targeted Lesson 5: Using Addition to Subtract	

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		Apply the Commutative Property of Addition as a strategy to add two numbers; use fact families as a strategy to subtract two numbers.	SMMA_LO_02021
		Solve a subtraction problem by finding the missing addend.	SMMA_LO_02023
		Create a fact family (addition and subtraction).	SMMA_LO_01857
		Addition and Subtraction Targeted Lesson 16: Subtracting Two-Digit Numbers: Strategies Including "Think Addition"	
		Addition and Subtraction Targeted Lesson 18: Adding Three-Digit Numbers: Develop Strategies	
NBT.12.a	Explain 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.	Addition and Subtraction Targeted Lesson 21: Adding Three-Digit Numbers Using Partial Sums	
		Addition and Subtraction Targeted Lesson 20: Subtracting Three-Digit Numbers: Further Strategies	
		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_01017
		Addition and Subtraction Targeted Lesson 22: Subtracting Three-Digit Numbers: Decompositions First	
		Addition and Subtraction Targeted Lesson 19: Subtracting Three-Digit Numbers: Subtract Hundreds, Tens, and Ones	
		Addition and Subtraction Targeted Lesson 17: Adding Three-Digit Numbers: Add Hundreds, Tens, and Ones	

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NBT.13	Mentally add and subtract 10 or 100 to a given number between 100 and 900.	Mentally find 10 more or 10 less than a given two-digit number; model the solution with place value blocks.	SMMA_LO_02020
		Subtract 100 from a three-digit number presented in a sentence.	SMMA_LO_01459
NBT.14	Explain why addition and subtraction strategies work, using place value and the properties of operations.	Explain how to solve a subtraction problem, either by using place value blocks or by rewriting the problem as an addition problem.	SMMA_LO_02013
DA	Data Analysis		
	Collect and analyze data and interpret results.		
DA.15	Measure lengths of several objects to the nearest whole unit.	Select the appropriate ruler to measure vertical or horizontal lengths.	SMMA_LO_00812
		Measure the radius of a circle, and then determine the circumference.	SMMA_LO_01780
		Measure the radius of a circle, and then determine the area.	SMMA_LO_01783
		Measure the diameter of a circle, and then determine the area.	SMMA_LO_01781
		Measure the diameter of a circle, and then determine the circumference.	SMMA_LO_01779
DA.15.a	Create a line plot where the horizontal scale is marked off in whole-number units to show the lengths of several measured objects.	Make a line plot to show measurement data in fractions of a unit.	SMMA_LO_02196
		Make a line plot to show measurement data in whole number units.	SMMA_LO_02158
		Solve problems using fractional units of measurement data displayed in line plots.	SMMA_LO_02198
		Measure the amount of rainfall for the week; then complete the chart and determine the total amount of rainfall for the month.	SMMA_LO_01327
DA.16	Create a picture graph and bar graph to represent data with up to four categories.	Create a bar graph using data from a chart of values.	SMMA_LO_01696
		Label the categories of a vertical bar graph based on data from a table.	SMMA_LO_01138

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		Construct a horizontal bar graph based on data from a vertical bar graph.	SMMA_LO_01150
		Create a bar graph.	SMMA_LO_01769
		Read a bar graph and answer questions about tree growth over time.	SMMA_LO_01304
		Create a vertical bar graph from a table and interpret data in the graph.	SMMA_LO_01130
		Measure the amount of rainfall for the week; then complete the chart and determine the total amount of rainfall for the month.	SMMA_LO_01327
		Read and interpret data about tree growth from a bar graph.	SMMA_LO_01302
		Construct a vertical bar graph based on data from a horizontal bar graph.	SMMA_LO_01146
DA.16.a	Using information presented in a bar graph, solve simple "put-together," "take-apart," and "compare" problems.	Identify a vertical bar graph that represents data in a table.	SMMA_LO_01134
		Create a table from a vertical bar graph.	SMMA_LO_01132
		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_01133
		Identify the number of categories in a vertical bar graph that are less than, equal to, and greater than a given value.	SMMA_LO_01148
		Given a bar graph of tree growth, calculate the height a tree grew from one year to another.	SMMA_LO_01303
		Create a table based on data from a bar graph.	SMMA_LO_01645
		Multiplication and Division Targeted Lesson 7: Using Data from Graphs with Different Scales	
		Read a bar graph and answer questions about tree growth over time.	SMMA_LO_01304

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		Use data from a bar graph and equations that represent the situation to find how many snacks are needed for Fitness Day	SMMA_LO_02500
		Create a vertical bar graph from a table and interpret data in the graph.	SMMA_LO_01130
		Analyze a bar graph to find the number of bars that fall within a given range.	SMMA_LO_01154
		Identify the table that represents the data in a vertical bar graph.	SMMA_LO_01136
		Read and interpret data about tree growth from a bar graph.	SMMA_LO_01302
		Calculate the difference between the life spans of two animals (differences 2 to 59).	SMMA_LO_01310
		Identify the vertical bar graph that shows a strictly increasing or decreasing trend.	SMMA_LO_01135
DA.16.b	Using Venn diagrams, pictographs, and 'yes-no' charts, analyze data to predict an outcome.	Multiplication and Division Targeted Lesson 7: Using Data from Graphs with Different Scales	
		Read and interpret a horizontal or vertical pictograph (six items).	SMMA_LO_00150
		Make a pictograph from a set of data.	SMMA_LO_00146
M	Measurement		
	Measure and estimate lengths in standard units.		
M.17	Measure the length of an object by selecting and using standard units of measurement shown on rulers, yardsticks, meter sticks, or measuring tapes.	Measure two metric lengths, write an addition problem, and find the sum (sums 2 to 12 centimeters).	SMMA_LO_00756
		Measure two objects in inches; determine how much longer one object is than the other.	SMMA_LO_02015
		Select the appropriate ruler to measure vertical or horizontal lengths.	SMMA_LO_00812
		Measure the length of an object to the nearest inch (2 to 6 inches).	SMMA_LO_00703
		Measure the length of an object to the nearest centimeter (3 to 12 cm).	SMMA_LO_00750

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		Measure the radius of a circle, and then determine the circumference.	SMMA_LO_01780
		Measure the length of an object to the nearest centimeter (4 to 12 centimeters).	SMMA_LO_00762
		Measure the radius of a circle, and then determine the area.	SMMA_LO_01783
		Measure the diameter of a circle, and then determine the area.	SMMA_LO_01781
		Measure the length of an object to the nearest inch (1 to 6 inches).	SMMA_LO_00755
		Measure the length of an object in centimeters or inches (whole numbers).	SMMA_LO_00785
		Measure the length of an object in cm and inches; relate the two Measurements to the sizes of the units.	SMMA_LO_02003
		Measure two lengths and find the sum (metric, sums 2 to 9).	SMMA_LO_00753
		Measure the diameter of a circle, and then determine the circumference.	SMMA_LO_01779
		Measure the length of a bar to the nearest 1/4 inch or 0.5 cm.	SMMA_LO_00822
M.18	Measure objects with two different units, and describe how the two measurements relate to each other and the size of the unit chosen.	Compare unlike customary units of length (inches, feet, and yards).	SMMA_LO_00792
		Measure the length of an object in cm and inches; relate the two Measurements to the sizes of the units.	SMMA_LO_02003
M.19	Estimate lengths using the following standard units of measurement: inches, feet, centimeters, and meters.	Identify the reasonable length of an object (inches, feet, and yards).	SMMA_LO_00780
		Estimate the height and width (2 to 5 nonstandard units).	SMMA_LO_00721
		Identify an object given the estimated height and width in customary units.	SMMA_LO_00728
		Identify the reasonable length, width, or height of an object (millimeters, centimeters, and meters).	SMMA_LO_00803

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M.20	Measure to determine how much longer one object is than another, expressing the length difference of the two objects using standard units of length.	Measure two objects in inches; determine how much longer one object is than the other.	SMMA_LO_02015
		Identify the object that is a different length.	SMMA_LO_00709
	Relate addition and subtraction to length.		
M.21	Use addition and subtraction within 100 to solve word problems involving same units of length, representing the problem with drawings (such as drawings of rulers) and/or equations with a symbol for the unknown number.	Represent addition and subtraction of rational numbers (fractions) on a number line.	SMMA_LO_02153
		Multiply with fractions to calculate the weight in campers' backpacks.	SMMA_LO_02507
		Represent addition and subtraction of rational numbers (decimals) on a number line.	SMMA_LO_02154
		Represent addition of integers on a number line.	SMMA_LO_02085
		Represent subtraction of integers on a number line.	SMMA_LO_02152
M.22	Create a number line diagram using whole numbers and use it to represent whole-number sums and differences within 100.	Represent addition and subtraction of rational numbers (fractions) on a number line.	SMMA_LO_02153
		Subtract integers using a number line (differences -5 to 1).	SMMA_LO_01505
		Add two addends displayed horizontally (two-digit addends, sums 21 to 99).	SMMA_LO_00064
		Solve an addition problem in context (two-digit addends, sums less than 100, no regrouping).	SMMA_LO_01556
		Add three addends (student choice, one-digit and two-digit addends, sums 21 to 99, no regrouping).	SMMA_LO_00079
		Add two addends (student choice, two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00067

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		Represent addition and subtraction of rational numbers (decimals) on a number line.	SMMA_LO_02154
		Represent addition of integers on a number line.	SMMA_LO_02085
		Represent subtraction of integers on a number line.	SMMA_LO_02152
		Identify a written number from a spoken number (two-digit).	SMMA_LO_00977
		Add three addends (student choice, one- and two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00090
	Work with time and money.		
M.23	Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.	Tell time to nearest 5 minutes and know relationships of time.	SMMA_LO_02220
		Set time to 5-minute intervals using digital and analog clocks.	SMMA_LO_00744
		Show time to the minute using digital and analog clocks.	SMMA_LO_00771
		Find the time 5 to 50 minutes after the time shown (analog clock).	SMMA_LO_00798
M.23.a	Express an understanding of common terms such as, but not limited to, quarter past, half past, and quarter to.	Find a fraction of an hour in minutes (1/4, 1/3, 1/2, 2/3, or 3/4 hour).	SMMA_LO_00817
		Tell time to the half-hour using an analog clock.	SMMA_LO_00724
M.24	Solve problems with money.	Solve a problem in context that involves adding three amounts expressed as dollars and cents.	SMMA_LO_01608
		Make a picture to find the change received from a purchase (change back from $1.00).	SMMA_LO_01583
		Solve an addition problem involving money (sums 3 to 9 cents).	SMMA_LO_01543
		Find the change from one dollar for two to four items (each 10, 15, or 20 cents).	SMMA_LO_01609
		Solve a subtraction problem involving coins (two-digit numbers, no regrouping).	SMMA_LO_01579
		Determine the number of dollar bills needed to buy three to five items).	SMMA_LO_01623

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		Add and compare decimals to hundredths to decide whether customers will save money	SMMA_LO_02506
		Estimate the total cost of four items by rounding to the nearest dollar (sums to $15.00).	SMMA_LO_01591
		Solve an addition problem by finding the total cost of two items (prices expressed as decimals, total < $0.50, no regrouping).	SMMA_LO_00181
		Solve a subtraction problem involving coins to find how much is left (two-digit numbers, no regrouping).	SMMA_LO_01561
		Subtract money amounts (sums less than $50.00, regrouping).	SMMA_LO_00214
		Subtract money amounts (sums less than $17.00, regrouping).	SMMA_LO_00208
		Estimate the difference by rounding to the nearest dollar (minuends $5.00 to $20.00, subtrahends $3.00 to $15.00).	SMMA_LO_01669
M.24.a	Identify nickels and quarters by name and value.	Enter the amount of money shown (10 to 99 cents).	SMMA_LO_00760
		Write the value of a set of dimes in dollar form ($1.10 to $3.90).	SMMA_LO_00183
		Enter the amount of money shown (1 to 5 cents in pennies).	SMMA_LO_00699
		Identify the coin equivalent to 5, 10, or 25 pennies.	SMMA_LO_00727
		Determine the number of cents in 1 to 100 pennies, 1 to 20 nickels, or 1 to 10 dimes.	SMMA_LO_00143
		Identify pennies or dimes.	SMMA_LO_02208
		Identify nickels or dimes.	SMMA_LO_00698
		Enter the amount of money shown (6 to 9 cents in pennies).	SMMA_LO_00704
		Identify the number of dollars and dimes that represent a given amount ($1.10 to $3.50).	SMMA_LO_00180
		Identify the fraction of a dollar a coin is worth (penny to half-dollar).	SMMA_LO_00809
		Find equivalence of nickels and dimes (1 to 5 dimes).	SMMA_LO_00738
		Enter the amount of money shown (11 to 50 cents in pennies and dimes).	SMMA_LO_00715

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		Enter the amount of money shown (10 to 19 cents in pennies, nickels, and dimes).	SMMA_LO_00722
		Identify the coin worth 1, 5, 10, or 25 cents.	SMMA_LO_00702
M.24.b	Find the value of a collection of quarters, dimes, nickels, and pennies.	Enter the amount of money shown (10 to 99 cents).	SMMA_LO_00760
		Write the value of a set of dimes in dollar form ($1.10 to $3.90).	SMMA_LO_00183
		Enter the amount of money shown (1 to 5 cents in pennies).	SMMA_LO_00699
		Identify the coin equivalent to 5, 10, or 25 pennies.	SMMA_LO_00727
		Determine the number of cents in 1 to 100 pennies, 1 to 20 nickels, or 1 to 10 dimes.	SMMA_LO_00143
		Identify pennies or dimes.	SMMA_LO_02208
		Enter the amount of money shown (6 to 9 cents in pennies).	SMMA_LO_00704
		Identify the number of dollars and dimes that represent a given amount ($1.10 to $3.50).	SMMA_LO_00180
		Identify the fraction of a dollar a coin is worth (penny to half-dollar).	SMMA_LO_00809
		Find equivalence of nickels and dimes (1 to 5 dimes).	SMMA_LO_00738
		Enter the amount of money shown (11 to 50 cents in pennies and dimes).	SMMA_LO_00715
		Enter the amount of money shown (10 to 19 cents in pennies, nickels, and dimes).	SMMA_LO_00722
		Identify the coin worth 1, 5, 10, or 25 cents.	SMMA_LO_00702
M.24.c	Solve word problems by adding and subtracting within one dollar, using the $ and ¢ symbols appropriately (not including decimal notation).	Find the number of dollar bills needed to buy two to four items (each $1.79 to $3.99 each).	SMMA_LO_01629
G	Geometry		

Alabama Mathematics Standards Code	Alabama Mathematics Course of Study 2019 Grade 2	SuccessMaker Item Description	Item ID
	Reason with shapes and their attributes.		
G.25	Identify triangles, quadrilaterals, pentagons, hexagons, and cubes.	Identify triangles or rectangles by name.	SMMA_LO_00546
		Identify geometric solids (cones, cubes, cylinders, pyramids, rectangular prisms, spheres).	SMMA_LO_00622
		Identify the quadrilaterals that are trapezoids or rhombuses.	SMMA_LO_00659
		Match a geometric figure to its name (circle, triangle, square, or rectangle).	SMMA_LO_00568
		Identify triangles or rectangles by name.	SMMA_LO_00530
		Identify a geometric solid (cylinder, pyramid, or rectangular prism).	SMMA_LO_00616
		Identify circles or squares by name.	SMMA_LO_00529
		Identify parallelograms by their attributes.	SMMA_LO_02215
		Identify polygons and circles (pentagons, hexagons, octagons, parallelograms).	SMMA_LO_00627
		Identify triangles, squares, rectangles, and pentagons.	SMMA_LO_00550
		Identify parallelograms, rhombuses, and trapezoids.	SMMA_LO_00620
		In a set of quadrilaterals, identify all the parallelograms.	SMMA_LO_00621
		Identify a geometric figure (circle, triangle, rectangle, or square).	SMMA_LO_00531
		Identify rectangles by their attributes.	SMMA_LO_02216
		Identify a shape with positive and negative tests.	SMMA_LO_00578
		Identify circles or squares by name.	SMMA_LO_00544
		Identify geometric solids (prisms, pyramids, cones, or spheres).	SMMA_LO_00667
		Count the geometric figures in a picture.	SMMA_LO_00572
G.26	Partition a rectangle into rows and columns of same-size squares, and count to find the total number of squares.	Count shaded parts and the total number of parts (halves to eighths).	SMMA_LO_00419

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		Count the number of equal parts in a fractional model (2 to 8 parts).	SMMA_LO_00402
		Identify the fraction representing a shaded region (halves, thirds, fourths).	SMMA_LO_00410
		Identify the figure showing a fractional part shaded (halves, thirds, fourths).	SMMA_LO_00409
		Count the fractional parts and total number of parts in a set (halves, thirds, fourths).	SMMA_LO_00412
G.27	Partition circles and rectangles into two, three, or four equal shares. Describe the shares using such terms as halves, thirds, half of, or a third of, and describe the whole as two halves, three thirds, or four fourths.	Describe partitioned circles as having two halves, three thirds, or four fourths equal shares.	SMMA_LO_02174
		Identify the figure showing a fraction of a region shaded (halves to eighths).	SMMA_LO_00420
		Enter the fraction representing the shaded amount (halves to eighths).	SMMA_LO_00422
		Count the number of equal parts in a fractional model (2 to 8 parts).	SMMA_LO_00402