



SuccessMaker®

**Colorado Academic Standards
Mathematics 2020
Grade 1**

**Alignments to SuccessMaker
Providing rigorous intervention
for K-8 learners with unparalleled precision**

Colorado Academic Standards' Codes	Colorado Academic Standards Mathematics 2020 Grade 1	SuccessMaker Item Descriptions	Item IDs
1	Number and Quantity		
1.NBT.A	Number & Operations in Base Ten: Extend the counting sequence.		
1.NBT.A.1	Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.	Identify a written number from a spoken number (two-digit).	SMMA_LO_00977
		Enter the number for a word name (two-digit).	SMMA_LO_01001
1.NBT.B	Number & Operations in Base Ten: Understand place value.		
1.NBT.B.2	Understand that the two digits of a two-digit number represent amounts of tens and ones. Understand the following as special cases:		
1.NBT.B.2.a	10 can be thought of as a bundle of ten ones-called a "ten."	Given a number (1-9) of objects, determine how many more objects are needed to make a ten.	SMMA_LO_02017
1.NBT.B.2.b	The numbers from 11 to 19 are composed of a ten and one, two, three, four, five, six, seven, eight, or nine ones.	Model the numbers from 11 to 19 with place value blocks.	SMMA_LO_02018
		Show a number using base-ten blocks (two-digit).	SMMA_LO_00978
		Enter how many tens and ones for a number (two-digit).	SMMA_LO_00980
		Addition and Subtraction Targeted Lesson 24: Ten and Ones	
1.NBT.B.2.c	The numbers 10, 20, 30, 40, 50, 60, 70, 80, 90 refer to one, two, three, four, five, six, seven, eight, or nine tens (and 0 ones).	Enter the number equal to 1 to 9 tens.	SMMA_LO_00974
		Enter the number of tens for a given multiple of ten (10 to 90).	SMMA_LO_00975
		Model multiples of 10 (from 10 to 90) with place value blocks.	SMMA_LO_02019
		Enter the number of tens for a given multiple of ten (10 to 90).	SMMA_LO_00975
		Model multiples of 10 (from 10 to 90) with place value blocks.	SMMA_LO_02019

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1.NBT.B.3	Compare two two-digit numbers based on meanings of the tens and ones digits, recording the results of comparisons with the symbols $>$, $=$, and $<$.	Compare numbers using $<$ or $>$ symbols (20 to 99).	SMMA_LO_00328
		Identify two numbers that make an inequality true (two-digit).	SMMA_LO_00997
		Find two numbers within a range (two-digit).	SMMA_LO_00998
		Identify the greatest or least number (two-digit).	SMMA_LO_00999
		Compare numbers using $<$ or $>$ symbols (1 to 19).	SMMA_LO_00325
		Identify the value that is greater than one number and less than another in context.	SMMA_LO_01554
		Compare numbers using $<$ or $>$ symbols (20 to 99).	SMMA_LO_00328
		Compare sums (two-digit addends, multiples of 10).	SMMA_LO_00334
		Addition and Subtraction Targeted Lesson 27: Comparing Numbers to 100	
1.NBT.C	Number & Operations in Base Ten: Use place value understanding and properties of operations to add and subtract.		
1.NBT.C.4	Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10, 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 and explain the reasoning used. Understand that in adding two-digit numbers, one adds tens and tens, ones and ones; and sometimes it is necessary to compose a ten.	Add two multiples of 10 (student choice, sums 20 to 90).	SMMA_LO_00025
		Add two addends (one- and two-digit addends, sums 11 to 99, no regrouping).	SMMA_LO_00033
		Add two addends (student choice, a one-digit and a two-digit addend, sums 20 to 98, regrouping).	SMMA_LO_00054

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		Find a number that is one less or one more than a given number (two-digit), number line in feedback.	SMMA_LO_00984
		Solve a subtraction problem in context (extra information, minuends 2 to 99, no regrouping).	SMMA_LO_01581
		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
		Add two addends (student choice, two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00067
		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_00055
		Addition and Subtraction Targeted Lesson 5: Using Addition to Subtract	
		Addition and Subtraction Targeted Lesson 16: Subtracting Two-Digit Numbers: Strategies Including "Think Addition"	
		Addition and Subtraction Targeted Lesson 11: Adding Two-Digit Numbers Mentally	
		Addition and Subtraction Targeted Lesson 12: Adding Two-Digit Numbers: Two Strategies	
1.NBT.C.5	Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count; explain the reasoning used.	Mentally find 10 more or 10 less than a given two-digit number; model the solution with place value blocks.	SMMA_LO_02020
		Use place value to determine the number that is 10 or 100 more or less than a given number.	SMMA_LO_02186

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1.NBT.C.6	Subtract multiples of 10 in the range 10–90 from multiples of 10 in the range 10–90 (positive or zero differences), 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 and explain the reasoning used.	Subtract two multiples of 10 (student choice, minuends 20 to 90, subtrahends 10 to 80).	SMMA_LO_01426
		Subtract multiples of 10 (student choice, minuends 20 to 90, subtrahends 10 to 80).	SMMA_LO_01437
		Subtract multiples of 10 (minuends 20 to 90, subtrahends 10 to 80, horizontal presentation).	SMMA_LO_01438
		Subtract two multiples of 10 (minuends 100 to 180, subtrahends 10 to 90).	SMMA_LO_01448
		Subtract 10 from a two-digit number (student choice, minuends 11 to 19).	SMMA_LO_01441
		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
2	Algebra and Functions		
1.OA.A	Operations & Algebraic Thinking: Represent and solve problems involving addition and subtraction.		
1.OA.A.1	Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.	Add ten to a number (sums 11 to 19), given in words.	SMMA_LO_00038
		Choose the expression that can represent a problem with extra information; then solve (addition or subtraction).	SMMA_LO_01239
		Solve an addition problem in context (different objects, sums 2 to 5).	SMMA_LO_01544

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		Solve a subtraction problem in context (minuends 2 to 5).	SMMA_LO_01545
		Solve a problem in context by finding a missing addend (sums 2 to 5).	SMMA_LO_01546
		Solve a problem in context by finding a missing addend (sums 2 to 5).	SMMA_LO_01550
		Identify and solve a number sentence for an addition problem in context (sums 2 to 9).	SMMA_LO_01553
		Identify and solve a number sentence for an addition problem in context (sums 2 to 9).	SMMA_LO_01555
		Identify the expression that represents a subtraction problem in context (minuends 2 to 5).	SMMA_LO_01559
		Identify and solve the number sentence for a subtraction problem in context (minuends 2 to 5).	SMMA_LO_01562
		Identify and solve a number sentence for a subtraction problem in context (minuends 2 to 5).	SMMA_LO_01568
		Model and apply joining stories to solve problems (sums 1 to 9).	SMMA_LO_01863
		Act out the solution to a subtraction problem in context (minuends 1 to 6).	SMMA_LO_01536
		Choose an operation to solve a problem with extra information; then solve (addition or subtraction, basic facts).	SMMA_LO_01247
		Addition and Subtraction Targeted Lesson 7: Subtraction Word Problems with Numbers Between 1 and 20	
		Addition and Subtraction Targeted Lesson 8: Addition and Subtraction Word Problems with Numbers Between 1 and 20	

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1.OA.A.2	Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.	Act out a problem to find the sum of three numbers (one-digit addends).,	SMMA_LO_01249
		Act out the solution to an addition problem in context (three addends, sums 1 to 9).	SMMA_LO_01537
		Solve an addition problem with three addends in context (sums 3 to 10).	SMMA_LO_01549
		Solve an addition problem with three addends in context (sums 3 to 10).	SMMA_LO_01557
		Solve an addition problem in context (three addends, sums 9 to 18).	SMMA_LO_01576
		Solve an addition problem in context (3 three-digit addends, regrouping).	SMMA_LO_01597
		Addition and Subtraction Targeted Lesson 6: Using the Associative Property with Sums of 10	
1.OA.B	Operations & Algebraic Thinking: Understand and apply properties of operations and the relationship between addition and subtraction.		
1.OA.B.3	Apply properties of operations as strategies to add and subtract. (Students need not use formal terms for these properties.)	Add integers in an associative expression $((a + b) + c$, three addends -10 to 10).	SMMA_LO_00113
		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
		Use the commutative and associative properties of addition to find the missing number.	SMMA_LO_01090
		Addition and Subtraction Targeted Lesson 3: Adding Numbers from 1 to 20 Using the Commutative Property	

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1.OA.B.4	Understand subtraction as an unknown-addend problem. For example, subtract 10 - 8 by finding the number that makes 10 when added to 8.	Solve a subtraction problem by finding the missing addend.	SMMA_LO_02023
		Addition and Subtraction Targeted Lesson 16: Subtracting Two-Digit Numbers: Strategies Including "Think Addition"	
		Addition and Subtraction Targeted Lesson 5: Using Addition to Subtract	
1.OA.C	Operations & Algebraic Thinking: Add and subtract within 20.		
1.OA.C.5	Relate counting to addition and subtraction (e.g., by counting on 2 to add 2).	Count two sets of objects to find the total (sums 6 to 10).	SMMA_LO_00006
		Count the objects in two sets and add (sums 6 to 10).	SMMA_LO_00008
		Relate counting to addition and subtraction.	SMMA_LO_02010
		Count two sets of objects to find the total (sums 4 to 6).	SMMA_LO_00004
		Count objects in two sets and add (sums 1 to 5).	SMMA_LO_00007
		Count two sets of objects to find the total (sums 2 to 5).	SMMA_LO_00005
		Addition and Subtraction Targeted Lesson 1: Counting On and Back by 1s for Numbers 1 to 20	

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1.OA.C.6	Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as counting on; making ten (e.g., $8 + 6 = 8 + 2 + 4 = 10 + 4 = 14$); decomposing a number leading to a ten (e.g., $13 - 4 = 13 - 3 - 1 = 10 - 1 = 9$); using the relationship between addition and subtraction (e.g., knowing that $8 + 4 = 12$, one knows $12 - 8 = 4$); and creating equivalent but easier or known sums (e.g., adding $6 + 7$ by creating the known equivalent $6 + 6 + 1 = 12 + 1 = 13$).	Add two addends (sums 6 to 10).	SMMA_LO_00012
		Add using basic math facts (addends 0 to 5, sums 1 to 5).	SMMA_LO_00014
		Add 1 to a number (sums 1 to 10).	SMMA_LO_00015
		Add two addends in words (one-digit addends, sums 6 to 10).	SMMA_LO_00016
		Add doubles (sums 2 to 18).	SMMA_LO_00017
		Add two consecutive addends (one-digit addends, sums 1 to 17).	SMMA_LO_00020
		Add two consecutive addends displayed horizontally (one-digit addends, sums 1 to 17).	SMMA_LO_00021
		Add vertically using basic math facts (sums 11 to 18).	SMMA_LO_00022
		Add using basic math facts displayed horizontally (sums 10 to 18).	SMMA_LO_00023
		Add two numbers presented in words using basic math facts (sums 1 to 18).	SMMA_LO_00024
		Add four addends (one-digit addends, sums 3 to 10).	SMMA_LO_00030
		Add ten to a number (sums 11 to 19), given in words.	SMMA_LO_00038
		Add a two-digit number to a one-digit number by counting (sums up to 18), given in words.	SMMA_LO_00039
		Add two addends vertically (sums 10 to 18).	SMMA_LO_00041
		Add using basic math facts displayed horizontally (sums 10 to 18).	SMMA_LO_00042

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		Add 9 to a number (sums 10 to 18), given in words.,	SMMA_LO_00045
		Use guess and check to solve an addition and subtraction problem (basic facts).	SMMA_LO_01240
		Subtract using basic math facts (minuends 6 to 9).	SMMA_LO_01418
		Subtract using basic math facts (minuends 1 to 9).	SMMA_LO_01419
		Subtract using basic math facts (differences are 0).	SMMA_LO_01420
		Subtract 1 from a number (minuends 1 to 9).	SMMA_LO_01421
		Subtract a number from 10 (subtrahends 1 to 9).	SMMA_LO_01424
		Subtract a number from its double (differences 1 to 9).	SMMA_LO_01425
		Subtract 1 from a number (two-digit minuends, no regrouping, presented vertically).	SMMA_LO_01427
		Subtract using basic math facts displayed horizontally (minuends 10 to 14, subtrahends 1 to 9).	SMMA_LO_01429
		Subtract (student choice, minuends 10 to 15, subtrahends 0 to 5, no regrouping).	SMMA_LO_01430
		Subtract using basic math facts (student choice, minuends 16 to 19, subtrahends 1 to 9).	SMMA_LO_01433
		Subtract using basic math facts (minuends 15 to 18, subtrahends 6 to 9).	SMMA_LO_01434
		Subtract using basic math facts (minuends 11 to 19, subtrahends 1 to 8).	SMMA_LO_01435
		Subtract using basic math facts (minuends 11 to 18, subtrahends 1 to 9).	SMMA_LO_01436
		Subtract 10 from a number (minuends 11 to 19, horizontal presentation).	SMMA_LO_01442
		Subtract a one-digit number from a two-digit number displayed horizontally (minuends 11 to 19, subtrahends 1 to 9).	SMMA_LO_01443

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		Subtract vertically using basic math facts (minuends 15 to 18, subtrahends 6 to 9).	SMMA_LO_01444
		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	
		Addition and Subtraction Targeted Lesson 6: Using the Associative Property with Sums of 10	
1.OA.D	Operations & Algebraic Thinking: Work with addition and subtraction equations.		
1.OA.D.7	Understand the meaning of the equal sign, and determine if equations involving addition and subtraction are true or false. For example, which of the following equations are true and which are false? $6 = 6$, $7 = 8 - 1$, $5 + 2 = 2 + 5$, $4 + 1 = 5 + 2$.	Determine if equations involving addition and subtraction are true or false.	SMMA_LO_02024
1.OA.D.8	Determine the unknown whole number in an addition or subtraction equation relating three whole numbers. For example, determine the unknown number that makes the equation true in each of the equations $8 + ? = 11$, $5 = _ - 3$, $6 + 6 = _$.	Find the missing addend in a number sentence. (sums 2 to 9),	SMMA_LO_00037
		Find the missing addend in a number sentence (sums 10 to 18).	SMMA_LO_00048
		Find the missing addend in a number sentence (a multiple of 10 and a one-digit addend, sums 11 to 99, no regrouping).	SMMA_LO_00050
		Complete fact families with four facts (sums 3 to 10).,	SMMA_LO_00322
		Solve for c in $a + b = c$ (sums 0 to 9).	SMMA_LO_00323
		Solve for c in $a - b = c$ (differences 1 to 9).,	SMMA_LO_00324
		Solve for c in $a + b = c$ (sums 10 to 18).	SMMA_LO_00327
		Solve for c in $a - b = c$ (differences 1 to 9).	SMMA_LO_00329

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		Solve for a or b in $a + b = c$ (sums 0 to 9).	SMMA_LO_00330
		Solve for a or b in $a - b = c$ (differences 0 to 9).	SMMA_LO_00331
		Solve for a or b in $a + b = c$ (sums 10 to 18).	SMMA_LO_00332
		Solve for a or b in $a - b = c$ (differences 0 to 18).	SMMA_LO_00333
		Identify a missing number in an addition and subtraction fact family.	SMMA_LO_01035
		Find the missing subtrahend in a subtraction number sentence (minuends 0 to 9).	SMMA_LO_01432
		Find the missing minuend in a subtraction number sentence (minuends 0 to 9).	SMMA_LO_01440
		Find the missing subtrahend in a subtraction number sentence (minuends 10 to 14).	SMMA_LO_01446
		Find the missing subtrahend in a subtraction number sentence (minuends 15 to 18).	SMMA_LO_01449
		Find the missing minuend in a subtraction number sentence (minuends 10 to 14).	SMMA_LO_01451
		Identify a missing number in an addition and subtraction fact family.	SMMA_LO_01035
		Find the missing minuend in a subtraction number sentence (minuends 15 to 18).	SMMA_LO_01455
		Find the missing subtrahend in a subtraction number sentence (minuends 11 to 19).	SMMA_LO_01464
		Find the missing minuend in a subtraction number sentence (minuends 11 to 19).	SMMA_LO_01468
		Solve a problem in context by finding a missing addend (sums 2 to 5).	SMMA_LO_01550
		Solve for the unknown in an addition equation (addends and sums less than 16).	SMMA_LO_01656
		Create a fact family (addition and subtraction).	SMMA_LO_01857

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		Identify the missing number (addend or sum) in an addition equation, for numbers 20 and less. Relate counting to addition and subtraction.	SMMA_LO_02010
3	Data, Statistics, and Probability		
1.MD.A	Measurement & Data: Measure lengths indirectly and by iterating length units.		
1.MD.A.1	Order three objects by length; compare the lengths of two objects indirectly by using a third object.	Order three objects by length.	SMMA_LO_02147
		Given 3 objects, identify the shortest or longest object.	SMMA_LO_00693
1.MD.A.2	Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object (the length unit) end to end; understand that the length measurement of an object is the number of same-size length units that span it with no gaps or overlaps. Limit to contexts where the object being measured is spanned by a whole number of length units with no gaps or overlaps.	Find the height (2 to 9 nonstandard units).	SMMA_LO_00710
		Count to find the height and width (2 to 5 nonstandard units).	SMMA_LO_00713
		Count to find how long or tall (2 to 9 nonstandard units).	SMMA_LO_00705
		Find the total length of two objects (nonstandard units, sums 2 to 5).	SMMA_LO_00720
		Estimate the height and width (2 to 5 nonstandard units).	SMMA_LO_00721
		Measure the length of an object (2 to 7 nonstandard units).	SMMA_LO_00777

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1.MD.B	Measurement & Data: Tell and write time.		
1.MD.B.3	Tell and write time in hours and half-hours using analog and digital clocks.	Tell time to the hour using an analog clock.	SMMA_LO_00714
		Tell time to the hour using digital and analog clocks.	SMMA_LO_00716
		Tell time to the half-hour using an analog clock.	SMMA_LO_00724
		Identify the hour or minute hand of a clock.	SMMA_LO_00697
1.MD.C	Measurement & Data: Represent and interpret data.		
1.MD.C.4	Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.	Read and interpret a horizontal or vertical pictograph (four to six items).	SMMA_LO_00131
		Determine the most or the least from a horizontal or vertical pictograph (four to six items).	SMMA_LO_00135
		Read and interpret a horizontal or vertical pictograph (six items).	SMMA_LO_00150
		Read a pictograph (3 categories, 1 to 9 items per category).	SMMA_LO_01124
		Create a table from a vertical bar graph.	SMMA_LO_01132
		Read and interpret a pictograph about birds counted (2 to 5 birds in each row).	SMMA_LO_01299

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4	Geometry		
1.G.A	Geometry: Reason with shapes and their attributes.		
1.G.A.1	Distinguish between defining attributes (e.g., triangles are closed and three-sided) versus non-defining attributes (e.g., color, orientation, overall size); build and draw shapes to possess defining attributes.	Distinguish between defining and non-defining attributes.	SMMA_LO_02157
1.G.A.2	Compose two-dimensional shapes (rectangles, squares, trapezoids, triangles, half-circles, and quarter-circles) or three-dimensional shapes (cubes, right rectangular prisms, right circular cones, and right circular cylinders) to create a composite shape, and compose new shapes from the composite shape. (Students do not need to learn formal names, such as "right rectangular prisms.")	Identify puzzle pieces needed to make a given shape, and then complete the puzzle (4 to 6 pieces).	SMMA_LO_00564
		Compose simple shapes to form larger shapes.	SMMA_LO_02181
1.G.A.3	Partition circles and rectangles into two and four equal shares, describe the shares using the words halves, fourths, and quarters, and use the phrases half of, fourth of, and quarter of. Describe the whole as two of, or four of the shares. Understand for these examples that decomposing into more equal shares creates smaller shares.	Describe fractions in terms of the number of parts in a whole and the relative size of those parts (e.g., larger, smaller).	SMMA_LO_02137
		Count the fractional parts and total number of parts in a region (halves, thirds, fourths).	SMMA_LO_00403
		Describe partitioned circles as having two halves, three thirds, or four fourths equal shares.	SMMA_LO_02174
		Match the word name of a fraction to a fraction (halves, thirds, fourths).	SMMA_LO_00411