



SuccessMaker®

Alignments to SuccessMaker

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for K-8 learners with unparalleled precision

Ohio Mathematics Standard Codes	Ohio Mathematics Learning Standards, Grade 2	SuccessMaker Item Description	Item ID
OH.Math.2.OA	Operations and Algebraic Thinking		
OH.Math.2.OA.A	Represent and solve problems involving addition and subtraction.		
OH.Math.2.OA.1	Use addition and subtraction within 100 to solve one- and twostep 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.	Choose an operation to solve a problem with extra information; then solve (addition or subtraction, basic facts).	SMMA_LO_01247
		Identify a number sentence that can be used to solve a problem with extra information (addition or subtraction, basic facts).	SMMA_LO_01250
		Make a picture to solve a two-step problem in context (addition and subtraction).	SMMA_LO_01552
		Add two addends displayed horizontally (two-digit addends, sums 21 to 99).	SMMA_LO_00064
		Find the missing subtrahend in a subtraction number sentence (minuends 21 to 99).	SMMA_LO_01470
		Add two addends (student choice, two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00067
		Find the missing minuend in a subtraction number sentence (minuends 10 to 99, no regrouping).	SMMA_LO_01486
		Solve an addition problem in context (two-digit addends, sums less than 100, no regrouping).	SMMA_LO_01556
		Identify and solve a number sentence for an addition problem in context (sums 2 to 9).	SMMA_LO_01555
		Find the missing minuend in a number sentence (minuends 21 to 99).	SMMA_LO_01478
		Solve an addition problem in context (extra information, sums to 50, no regrouping).	SMMA_LO_01567
		Identify an even or odd number (2 to 99).	SMMA_LO_01050
		Identify a number sentence that can be used to solve a word problem with extra information (addition or subtraction, basic facts).	SMMA_LO_01242
		Add three addends (student choice, one-digit and two-digit addends, sums 21 to 99, no regrouping).	SMMA_LO_00079
		Make a picture to solve a two-step problem in context (addition and subtraction).	SMMA_LO_01551
		Solve a subtraction problem in context (two-digit minuends, one-digit subtrahends, no regrouping).	SMMA_LO_01560
		Identify a picture that represents a subtraction problem (minuends 5 to 10).	SMMA_LO_01235
		Identify and solve a number sentence for an addition problem in context (sums 2 to 9).	SMMA_LO_01553
		Find the missing subtrahend in a number sentence (minuends 10 to 99).	SMMA_LO_01480

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		Add three addends (student choice, one- and two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00090
		Solve a subtraction problem to find a person's age (minuends 1 to 99, subtrahends 1 to 9, no regrouping).	SMMA_LO_01563
		Find the missing minuend in a subtraction number sentence (minuends 20-98, subtrahends 11-89)	SMMA_LO_01491
		Identify the expression that represents a subtraction problem in context (minuends 2 to 5).	SMMA_LO_01559
		Use guess and check to solve an addition and subtraction problem (basic facts).	SMMA_LO_01240
		Solve a problem with extra information (addition).	SMMA_LO_01558
		Enter the number for a word name (two-digit).	SMMA_LO_01001
		Identify and solve a number sentence for a subtraction problem in context (minuends 2 to 5).	SMMA_LO_01568
OH.Math.2.OA.B	Add and subtract within 20.		
OH.Math.2.OA.2	Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.	Choose an operation to solve a problem with extra information; then solve (addition or subtraction, basic facts).	SMMA_LO_01247
		Identify a number sentence that can be used to solve a problem with extra information (addition or subtraction, basic facts).	SMMA_LO_01250
		Add two addends (one- and two-digit addends, sums 11 to 99, no regrouping).	SMMA_LO_00033
		Subtract two-digit numbers with regrouping (vertical presentation).	SMMA_LO_01463
		Solve a problem in context by finding a missing addend (three addends, sums to 20).	SMMA_LO_01574
		Subtract (minuends 21 to 99, subtrahends 1 to 9, no regrouping).	SMMA_LO_01450
		Practice addition using basic facts; sums less than or equal to 15.	SMMA_SG_00270
		Solve for c in $a + b = c$ (sums 10 to 18).	SMMA_LO_00327
		Find the missing minuend in a subtraction number sentence (minuends 10 to 99, no regrouping).	SMMA_LO_01486
		Solve for a or b in $a + b = c$ (sums 10 to 18).	SMMA_LO_00332
		Subtract (student choice, minuends 21 to 99, no regrouping).	SMMA_LO_01454
		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
		Solve an addition problem in context (two-digit addends, sums less than 100, no regrouping).	SMMA_LO_01556
		Solve for the unknown in an addition equation (addends and sums less than 16).	SMMA_LO_01656

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		Practice addition using basic facts; sums less than or equal to 10.	SMMA_SG_00210
		Solve for a or b in $a - b = c$ (differences 0 to 18).	SMMA_LO_00333
		Solve an addition problem in context (extra information, sums to 50, no regrouping).	SMMA_LO_01567
		Act out the problem to find the sum (basic facts).	SMMA_LO_01241
		Practice subtraction using basic facts; minuends, subtrahends less than or equal to 10.	SMMA_SG_00230
		Identify a number sentence that can be used to solve a word problem with extra information (addition or subtraction, basic facts).	SMMA_LO_01242
		Practice subtraction using basic facts; minuends, subtrahends less than or equal to 10.	SMMA_SG_00240
		Subtract (student choice, minuends 21 to 95, subtrahends 1 to 9, no regrouping).	SMMA_LO_01428
		Practice addition using basic facts; sums less than or equal to 10.	SMMA_SG_00250
		Solve a subtraction problem involving coins to find how much is left (two-digit numbers, no regrouping).	SMMA_LO_01561
		Add three addends (student choice, one-digit and two-digit addends, sums 21 to 99, no regrouping).	SMMA_LO_00079
		Solve a subtraction problem in context (two-digit minuends, one-digit subtrahends, no regrouping).	SMMA_LO_01560
		Practice addition using basic facts; sums less than or equal to 10.	SMMA_SG_00200
		Practice subtraction using basic facts; minuends, subtrahends less than or equal to 10.	SMMA_SG_00290
		Practice addition using basic facts; sums less than or equal to 10.	SMMA_SG_00220
		Solve a subtraction problem to find a person's age (minuends 1 to 99, subtrahends 1 to 9, no regrouping).	SMMA_LO_01563
		Use guess and check to solve an addition and subtraction problem (basic facts).	SMMA_LO_01240
		Subtract a multiple of 10 from a 2-digit number (minuends 11-99, vertical presentation).	SMMA_LO_01452
		Find the missing addend in a number sentence (a one-digit and a two-digit addend, sums 10 to 99, no regrouping).	SMMA_LO_00070
OH.Math.2.OA.C	Work with equal groups of objects to gain foundations for multiplication.		

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OH.Math.2.OA.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.	Find a missing number in a sequence, counting by 2's (0 to 10), number line in feedback.	SMMA_LO_00966
OH.Math.2.NBT	Number and Operations in Base Ten		
OH.Math.2.NBT.A	Understand place value.		
OH.Math.2.NBT.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:	Enter a three-digit number in a place-value chart (base-ten block models, three-digit).	SMMA_LO_01013
		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
		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_01015
OH.Math.2.NBT.1b	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
OH.Math.2.NBT.2	Count forward and backward within 1,000 by ones, tens, and hundreds starting at any number; skip-count by 5s starting at any multiple of 5.	Identify the multiple of 5 that is closer to a number (25 to 94).	SMMA_LO_01006
		Find a missing number in a sequence, counting by 10's (two-digit, non multiples of 10).	SMMA_LO_00992
		Identify the number, model, word name, or expanded notation that has a different value (three-digit).	SMMA_LO_01018
		Find a missing number in a sequence, counting up or down by 5's (two-digit).	SMMA_LO_01004
		Identify the word name for a three-digit number.	SMMA_LO_01009
		Identify the multiple of 5 that is closest to a given number.	SMMA_LO_01005
		Find the missing number in a sequence, counting by 5's or 10's.	SMMA_LO_01231
		Find a missing number in a sequence, counting by 5's (5 to 50).	SMMA_LO_01003
OH.Math.2.NBT.3	Read and write numbers to 1,000 using base-ten numerals, number names, expanded form, and equivalent representations, e.g., 716 is $700 + 10 + 6$, or $6 + 700 + 10$, or 6 ones and 71 tens, etc.	Identify the number, model, word name, or expanded notation that has a different value (three-digit).	SMMA_LO_01018

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		Identify the word name for a three-digit number.	SMMA_LO_01009
		Enter the number for a word name (two-digit).	SMMA_LO_01001
OH.Math.2.NBT.B	Use place value understanding and properties of operations to add and subtract.		
OH.Math.2.NBT.5	Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.	Add two addends displayed horizontally (two-digit addends, sums 21 to 99).	SMMA_LO_00064
		Subtract two-digit numbers with regrouping (vertical presentation).	SMMA_LO_01463
		Find the missing subtrahend in a subtraction number sentence (minuends 21 to 99).	SMMA_LO_01470
		Add two addends (student choice, two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00067
		Find the missing minuend in a subtraction number sentence (minuends 10 to 99, no regrouping).	SMMA_LO_01486
		Subtract (student choice, minuends 21 to 99, no regrouping).	SMMA_LO_01454
		Solve an addition problem in context (two-digit addends, sums less than 100, no regrouping).	SMMA_LO_01556
		Find the missing minuend in a number sentence (minuends 21 to 99).	SMMA_LO_01478
		Identify an even or odd number (2 to 99).	SMMA_LO_01050
		Subtract with regrouping (minuends 25-98).	SMMA_LO_01488
		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
		Solve a subtraction problem involving coins to find how much is left (two-digit numbers, no regrouping).	SMMA_LO_01561
		Add three addends (student choice, one-digit and two-digit addends, sums 21 to 99, no regrouping).	SMMA_LO_00079
		Find the missing subtrahend in a number sentence (minuends 10 to 99).	SMMA_LO_01480
		Add three addends (student choice, one- and two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00090
		Find the difference between two numbers (two-digit, presented as a sentence)	SMMA_LO_01000
		Find the missing minuend in a subtraction number sentence (minuends 20-98, subtrahends 11-89)	SMMA_LO_01491
		Enter the number for a word name (two-digit).	SMMA_LO_01001
OH.Math.2.NBT.6	Add up to four two-digit numbers using strategies based on place value and properties of operations.	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

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OH.Math.2.NBT.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; record the strategy with a written numerical method (drawings and, when appropriate, equations) and explain the reasoning used. Understand that in adding or subtracting three-digit numbers, hundreds are added or subtracted from hundreds, tens are added or subtracted from tens, ones are added or subtracted from ones; and sometimes it is necessary to compose or decompose tens or hundreds.	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
		Subtract two-digit numbers with regrouping (vertical presentation).	SMMA_LO_01463
		Identify the number, model, word name, or expanded notation that has a different value (three-digit).	SMMA_LO_01018
		Identify the word name for a three-digit number.	SMMA_LO_01009
		Subtract a multiple of 10 from a 2-digit number (minuends 11-99, vertical presentation).	SMMA_LO_01452
OH.Math.2.NBT.8	Mentally add 10 or 100 to a given number 100-900, and mentally subtract 10 or 100 from a given number 100-900.		
OH.Math.2.NBT.9	Explain why addition and subtraction strategies work, using place value and the properties of operations. Explanations may be supported by drawings or objects.	Explain how to solve an addition problem, either by using place value blocks or by rewriting the problem.	SMMA_LO_02012
		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
OH.Math.2.MD	Measurement and Data		
OH.Math.2.MD.A	Measure and estimate lengths in standard units.		
OH.Math.2.MD.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.	Measure the length of an object in cm and inches; relate the two measurements to the sizes of the units.	SMMA_LO_02003
OH.Math.2.MD.3	Estimate lengths using units of inches, feet, centimeters, and meters.	Identify an object given the estimated height and width in customary units.	SMMA_LO_00728
		Identify the reasonable length of an object (inches, feet, and yards).	SMMA_LO_00780
OH.Math.2.MD.B	Relate addition and subtraction to length.		

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OH.Math.2.MD.5	Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same whole number units, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem. Drawings need not show details, but should show the mathematics in the problem. (This applies wherever drawings are mentioned in the Standards.)	Add two addends displayed horizontally (two-digit addends, sums 21 to 99).	SMMA_LO_00064
		Find the missing subtrahend in a subtraction number sentence (minuends 21 to 99).	SMMA_LO_01470
		Add two addends (student choice, two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00067
		Find the missing minuend in a subtraction number sentence (minuends 10 to 99, no regrouping).	SMMA_LO_01486
		Solve an addition problem in context (two-digit addends, sums less than 100, no regrouping).	SMMA_LO_01556
		Find the missing minuend in a number sentence (minuends 21 to 99).	SMMA_LO_01478
		Identify an even or odd number (2 to 99).	SMMA_LO_01050
		Add three addends (student choice, one-digit and two-digit addends, sums 21 to 99, no regrouping).	SMMA_LO_00079
		Find the missing subtrahend in a number sentence (minuends 10 to 99).	SMMA_LO_01480
		Add three addends (student choice, one- and two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00090
		Find the missing minuend in a subtraction number sentence (minuends 20-98, subtrahends 11-89)	SMMA_LO_01491
		Enter the number for a word name (two-digit).	SMMA_LO_01001
OH.Math.2.MD.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.	Add two addends displayed horizontally (two-digit addends, sums 21 to 99).	SMMA_LO_00064
		Find the missing subtrahend in a subtraction number sentence (minuends 21 to 99).	SMMA_LO_01470
		Add two addends (student choice, two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00067
		Find the missing minuend in a subtraction number sentence (minuends 10 to 99, no regrouping).	SMMA_LO_01486
		Solve an addition problem in context (two-digit addends, sums less than 100, no regrouping).	SMMA_LO_01556
		Find the missing minuend in a number sentence (minuends 21 to 99).	SMMA_LO_01478
		Identify an even or odd number (2 to 99).	SMMA_LO_01050

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		Add three addends (student choice, one-digit and two-digit addends, sums 21 to 99, no regrouping).	SMMA_LO_00079
		Find the missing subtrahend in a number sentence (minuends 10 to 99).	SMMA_LO_01480
		Add three addends (student choice, one- and two-digit addends, sums 30 to 98, regrouping ones).	SMMA_LO_00090
		Find the missing minuend in a subtraction number sentence (minuends 20-98, subtrahends 11-89)	SMMA_LO_01491
		Enter the number for a word name (two-digit).	SMMA_LO_01001
OH.Math.2.MD.C	Work with time and money.		
OH.Math.2.MD.7	Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m.	Set time to 5-minute intervals using digital and analog clocks.	SMMA_LO_00744
OH.Math.2.MD.8	Solve problems with money.	Enter the amount of money shown (10 to 19 cents in pennies, nickels, and dimes).	SMMA_LO_00722
		Determine the number of cents in 1 to 100 pennies, 1 to 20 nickels, or 1 to 10 dimes.	SMMA_LO_00143
		Enter the amount of money shown (1 to 5 cents in pennies).	SMMA_LO_00699
		Enter the amount of money shown (10 to 99 cents).	SMMA_LO_00760
		Enter the amount of money shown (11 to 50 cents in pennies and dimes).	SMMA_LO_00715
		Identify the given amount of money in coins (5 to 50 cents in nickels and dimes).	SMMA_LO_00740
		Find equivalence of nickels and dimes (1 to 5 dimes).	SMMA_LO_00738
		Enter the amount of money shown (6 to 9 cents in pennies).	SMMA_LO_00704
OH.Math.2.MD.D	Represent and interpret data.		
OH.Math.2.MD.9	Generate measurement data by measuring lengths of several objects to the nearest whole unit or by making repeated measurements of the same object. Show the measurements by creating a line plot, where the horizontal scale is marked off in whole-number units.	Choose a title for a line plot and label the units.	SMMA_LO_01643
		Identify the value that is greater than one number and less than another in context.	SMMA_LO_01554
		Analyze a line plot to find the total number of items that fall at, above, or below a given value.	SMMA_LO_01156
OH.Math.2.MD.10	Organize, represent, and interpret data with up to four categories; complete picture graphs when single -unit scales are provided; complete bar graphs when single -unit scales are provided; solve simple put -together, take -apart, and compare problems in a graph.	Create a table based on data from a bar graph.	SMMA_LO_01645

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		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
		Construct a horizontal bar graph based on data from a vertical bar graph.	SMMA_LO_01150
		Determine the most or the least from a horizontal or vertical pictograph (four to six items).	SMMA_LO_00135
		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
		Identify the table that represents the data in a vertical bar graph.	SMMA_LO_01136
		Identify a vertical bar graph that represents data in a table.	SMMA_LO_01134
		Identify the vertical bar graph that shows a strictly increasing or decreasing trend.	SMMA_LO_01135
		Analyze a bar graph to find the number of bars that fall within a given range.	SMMA_LO_01154
		Create a vertical bar graph from a table and interpret data in the graph.	SMMA_LO_01130
		Create a table from a vertical bar graph.	SMMA_LO_01132
		Construct a vertical bar graph based on data from a horizontal bar graph.	SMMA_LO_01146
OH.Math.2.G	Geometry		
OH.Math.2.G.A	Reason with shapes and their attributes.		
OH.Math.2.G.1	Recognize and identify triangles, quadrilaterals, pentagons, and hexagons based on the number of sides or vertices. Recognize and identify cubes, rectangular prisms, cones, and cylinders.	Identify a shape with positive and negative tests.	SMMA_LO_00578
		Count the geometric figures in a picture.	SMMA_LO_00572
		Match a geometric figure to its name (circle, triangle, square, or rectangle).	SMMA_LO_00568
OH.Math.2.G.2	Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.	Count the number of equal parts in a fractional model (2 to 8 parts).	SMMA_LO_00402
OH.Math.2.G.3	Partition circles and rectangles into two, three, or four equal shares; describe the shares using the words halves, thirds, or fourths and quarters, and use the phrases half of, third of, or fourth of and quarter of. Describe the whole as two halves, three thirds, or four fourths in real-world contexts. Recognize that equal shares of identical wholes need not have the same shape.	Match the word name of the fraction to the fraction (halves to eighths).	SMMA_LO_00416
		Match the word name of a fraction to a fraction (halves, thirds, fourths).	SMMA_LO_00411
		Identify the figure divided into equal parts (halves to eighths in words).	SMMA_LO_00417
		Identify the model that is divided into equal parts (2 to 8 parts).	SMMA_LO_00400
		Count the fractional parts and total number of parts in a region (halves, thirds, fourths).	SMMA_LO_00403

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		Count the number of equal parts in a fractional model (2 to 8 parts).	SMMA_LO_00402