



# SuccessMaker®

## Alignments to SuccessMaker

Providing rigorous intervention  
for K-8 learners with unparalleled precision

<b>aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 5</b>	<b>SuccessMaker Item Description</b>
<b>Fall</b>	
5.G.1 Identifies points on a coordinate plane.	SMMA_LO_01057 Identify a point on a grid given an ordered pair, or identify the ordered pair for a point shown on the grid.
	SMMA_LO_01077 Find the coordinates for a point on a grid.
	SMMA_LO_01092 Identify a point on a coordinate grid given the ordered pair.
5.MD.4 Determines the volume of objects.	SMMA_LO_00829 Find the volume of a rectangular solid by counting cubes.
	SMMA_LO_00833 Find the volume of a rectangular solid by counting cubes.
5.G.2 Determines distance between points on coordinate planes, and solves word problems using points in the first quadrant of the coordinate plane..	SMMA_LO_01178 Find the amount of increase or decrease between two points in a line graph.
	SMMA_LO_01206 Read and interpret a line graph.
	SMMA_LO_01325 Given the survival needs for a bug, interpret a line graph with time and temperature data.
5.G.4 Identifies polygons with specific characteristics.	SMMA_LO_00651 Identify the regular polygons.
5.OA.1 Identifies simplified equivalent expressions using the order of operations.	SMMA_LO_01091 Evaluate an expression using the order of operations.
5.NBT.1 Evaluates multiplication problems to find one-tenth of a given number.	SMMA_LO_02045 Identify the place and the value of a digit in a number; for that value, identify the number 10 times as much and the number 1/10 as much.
5.NF.1 Solves subtraction problems involving fractions with like or unlike denominators, and addition problems involving fractions with unlike denominators.	SMMA_LO_00464 Subtract a fraction from 1; simplify (halves to sixteenths).
	SMMA_LO_00466 Subtract fractions; no simplifying (unlike denominators).
	SMMA_LO_00468 Subtract fractions; no simplifying (unlike denominators).
	SMMA_LO_00472 Subtract fractions; simplify if necessary (unlike denominators).
	SMMA_LO_00474 Subtract fractions; simplify if necessary (unlike denominators).
	SMMA_LO_00500 Subtract mixed numbers; simplify if necessary (unlike denominators).

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	SMMA_LO_00505 Subtract mixed numbers; simplify if necessary (unlike denominators).
	SMMA_LO_00510 Subtract mixed numbers within a context; simplify if necessary (unlike denominators).
	SMMA_LO_01707 Estimate the difference of two fractions.
	SMMA_LO_00465 Add fractions; no simplifying (unlike denominators).
	SMMA_LO_00467 Add fractions; no simplifying (unlike denominators).
	SMMA_LO_00471 Add fractions; simplify if necessary (unlike denominators).
	SMMA_LO_00473 Add fractions; simplify if necessary (unlike denominators).
	SMMA_LO_00484 Add mixed numbers; simplify if necessary (like denominators).
	SMMA_LO_01499 Subtract a three-digit number from a four-digit number (student choice, regrouping from tens, hundreds, and thousands places).
	SMMA_LO_00504 Add mixed numbers; simplify if necessary (unlike denominators).
	SMMA_LO_00509 Add mixed numbers within a context; simplify if necessary (unlike denominators).
	SMMA_LO_01640 Add two fractional parts of whole numbers in context.
5.MD.5 Determines volume of right rectangular prisms using the formula: $v = l \times w \times h$ .	SMMA_LO_00174 Determine the volume of a box given the height, width, and length (60 to 480 customary or metric cubic units).
	SMMA_LO_02043 Compute the volume of right rectangular prisms using formulas.
5.NF.4 Determines the algebraic expression used to find the area of a figure.	SMMA_LO_02049 Find the area of a rectangle with fractional side lengths in two ways: by multiplying its side lengths and by tiling it with smaller rectangles.
5.NF.3 Solves division word problems and expresses remainders in fraction form.	SMMA_LO_02047 Model a division word problem that results in a rational quotient; then express the word problem with an equation.

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5.NF.7 Solves word problems involving division of non-zero whole numbers and fractions.	SMMA_LO_02053 Use models to solve real-world problems involving division of whole numbers by unit fractions.
	SMMA_LO_02156 Use models to solve real-world problems involving division of unit fractions by nonzero whole numbers.
5.MD.1 Solves word problems involving volume, distance and conversions of standard measurement units.	SMMA_LO_00168 Add metric measurements with unlike units and express the sum in terms of the smaller unit.
	SMMA_LO_00172 Add metric measurements with unlike units and express the sum in terms of the larger unit.
	SMMA_LO_00791 Convert customary units of length (inches, feet, and yards).
5.NF.2 Solves addition word problems involving fractions with unlike denominators, and estimation to determine reasonable answers.	SMMA_LO_01095 Estimate the sum, product, or quotient in problems with fractions.
	SMMA_LO_01706 Use addition to find an equivalent fraction for $\frac{1}{2}$ .
	SMMA_LO_01707 Estimate the difference of two fractions.
5.NF.6 Solves word problems involving multiplication of whole numbers and mixed numbers.	SMMA_LO_00835 Find the fractional part of a recipe (multiply a fraction and a mixed number).
	SMMA_LO_00501 Multiply mixed numbers; simplify if necessary.
<b>Winter</b>	
5.G.1 Identifies points on a coordinate plane, and locates points in the first quadrant of the coordinate plane.	SMMA_LO_01057 Identify a point on a grid given an ordered pair, or identify the ordered pair for a point shown on the grid.
	SMMA_LO_01077 Find the coordinates for a point on a grid.
	SMMA_LO_01092 Identify a point on a coordinate grid given the ordered pair.
5.G.2 Determines distance between points on coordinate planes, and solves word problems using points in the first quadrant of the coordinate plane.	SMMA_LO_01178 Find the amount of increase or decrease between two points in a line graph.
	SMMA_LO_01206 Read and interpret a line graph.
	SMMA_LO_01325 Given the survival needs for a bug, interpret a line graph with time and temperature data.

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5.OA.2 Identifies simplified equivalent expressions using the order of operations.	SMMA_LO_01091 Evaluate an expression using the order of operations.
5.OA.1 Evaluates expressions using the order of operations.	SMMA_LO_01091 Evaluate an expression using the order of operations.
5.NBT.2 Evaluates multiplication problems involving multiplication by 10.	SMMA_LO_02046 Explain patterns in the number of zeroes of the product and in the placement of the decimal point when multiplying a number by powers of ten.
	SMMA_LO_00911 Multiply whole numbers (multiples of 10 or 100).
5.NBT.3 Compares the magnitude of decimals using inequalities, and identifies decimal numbers in expanded form.	SMMA_LO_00225 Compare decimal numbers (to thousandths).
	SMMA_LO_00236 Order three decimals from least to greatest (to thousandths).
	SMMA_LO_00254 Identify the symbol (< or >) needed to complete the inequality.
	SMMA_LO_01103 Identify a list of decimal numbers ordered from least to greatest.
	SMMA_LO_00204 Match the word name with the decimal number (0.10 to 9.99).
	SMMA_LO_00224 Match a decimal number to an equivalent fraction (tenths to thousandths).
	SMMA_LO_00227 Match a decimal number to its word me (to thousandths).
	SMMA_LO_00241 Identify the place value of a digit in a decimal number (tenths to ten thousandths).
	SMMA_LO_01089 Enter a decimal number in a place-value chart (tenths to thousandths).
	SMMA_LO_00202 Identify the decimal number with a 0 to 9 in the tenths or hundredths place.
	SMMA_LO_00242 Match a decimal number to a model (thousandths).
5.NBT.4 Rounds decimal numbers to a specific place value.	SMMA_LO_00230 Round a decimal to the nearest tenth, hundredth, or whole number.
5.NF.1 Solves subtraction problems involving fractions with like or unlike denominators.	SMMA_LO_00464 Subtract a fraction from 1; simplify (halves to sixteenths).
	SMMA_LO_00466 Subtract fractions; no simplifying (unlike denominators).
	SMMA_LO_00468 Subtract fractions; no simplifying (unlike denominators).

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	SMMA_LO_00472 Subtract fractions; simplify if necessary (unlike denominators).
	SMMA_LO_00474 Subtract fractions; simplify if necessary (unlike denominators).
	SMMA_LO_00500 Subtract mixed numbers; simplify if necessary (unlike denominators).
	SMMA_LO_00505 Subtract mixed numbers; simplify if necessary (unlike denominators).
	SMMA_LO_00510 Subtract mixed numbers within a context; simplify if necessary (unlike denominators).
	SMMA_LO_01707 Estimate the difference of two fractions.
5.NF.6 Solves word problems involving multiplication of fractions and mixed numbers.	SMMA_LO_00835 Find the fractional part of a recipe (multiply a fraction and a mixed number).
	SMMA_LO_00501 Multiply mixed numbers; simplify if necessary.
5.NBT.1 Evaluates multiplication problems to find one-tenth of a given number.	SMMA_LO_02045 Identify the place and the value of a digit in a number; for that value, identify the number 10 times as much and the number 1/10 as much.
5.G.4 Identifies quadrilaterals with specific characteristics.	SMMA_LO_00656 Identify the true statement about a relationship among quadrilaterals.
5.MD.1 Solves word problems involving mass and conversions of standard measurement units.	SMMA_LO_00797 Convert between customary units of weight (ounces and pounds).
	SMMA_LO_00801 Compare unlike customary units of weight and identify the correct statement (ounces and pounds).
5.NF.2 Solves word problems involving addition and subtraction of fractions with like or unlike denominators.	SMMA_LO_01095 Estimate the sum, product, or quotient in problems with fractions.
	SMMA_LO_01634 Subtract two fractions from a whole within a context.
	SMMA_LO_01706 Use addition to find an equivalent fraction for 1/2.
	SMMA_LO_01707 Estimate the difference of two fractions.

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5.NBT.7 Solves multiplication and division problems involving decimals to hundredths, and evaluates multiplication problems involving decimals.	SMMA_LO_00220 Find the missing decimal number on a number line; then count by multiples of tenths to find the product.
	SMMA_LO_00221 Multiply a decimal and a whole number displayed horizontally (0.02 x 2 to 0.09 x 5).
	SMMA_LO_00223 Multiply two decimals or multiply a decimal by a whole number (tenths to hundredths).
	SMMA_LO_00232 Multiply decimals displayed horizontally (0.2 x 0.6 to 0.9 x 0.12).
	SMMA_LO_00235 Multiply decimals by 10, 100, or 1000.
	SMMA_LO_00252 Multiply a whole number or a decimal by 0.1, 0.01, or 0.001.
	SMMA_LO_00222 Identify the location of the decimal point of the product of two decimals (factors, tenths to hundredths).
	SMMA_LO_00250 Identify the probable error in a multiplication calculation with decimals.
	SMMA_LO_00237 Divide a decimal by a decimal (horizontal division; dividends to tenths).
	SMMA_LO_00239 Divide a decimal by a whole number.
	SMMA_LO_00245 Divide decimals (0.3 x 0.3 to 0.9 x 0.09).
	SMMA_LO_00251 Divide decimals (0 x 2 to 2 x 5).
	SMMA_LO_00263 Divide a decimal by 0.1, 0.01, or 0.001.
	SMMA_LO_00267 Divide a decimal by 0.1, 0.01, or 0.001 (dividends 0.001 to 0.999).
	SMMA_LO_00240 Determine the missing factor in the multiplication number sentence (decimals, to ten-thousandths).
5.NF.7 Solves word problems involving division of fractions and non-zero whole numbers.	SMMA_LO_02053 Use models to solve real-world problems involving division of whole numbers by unit fractions.
	SMMA_LO_02156 Use models to solve real-world problems involving division of unit fractions by nonzero whole numbers.

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<b>Spring</b>	
5.NBT.5 Solves multi-digit multiplication problems.	SMMA_LO_00900 Multiply whole numbers (student choice, products 10,000 x 2 to 99,999 x 9).
	SMMA_LO_00902 Multiply whole numbers (student choice, products 100 x 20 to 990 x 90, multiples of 10).
	SMMA_LO_00903 Multiply whole numbers (student choice, products 21 x 11 to 99 x 99).
	SMMA_LO_00904 Multiply whole numbers (student choice, products 101 x 20 to 999 x 90, multiples of 10).
	SMMA_LO_00905 Multiply whole numbers (student choice, products 100 x 21 to 990 x 90, multiples of 10).
	SMMA_LO_00906 Multiply (student choice, products 1000 x 20 to 9999 x 90, multiples of 10).
	SMMA_LO_00907 Multiply whole numbers (student choice, products 101 x 21 to 999 x 99).
	SMMA_LO_00908 Multiply by a multiple of 10 (student choice, 10,000 x 20 to 99,999 x 90).
	SMMA_LO_00909 Multiply whole numbers (student choice, products 1000 x 21 to 9999 x 99).
	SMMA_LO_00910 Multiply whole numbers (student choice, 10,000 x 21 to 99,999 x 99).
	SMMA_LO_00912 Estimate the product of two numbers (factors 101 to 949).
	SMMA_LO_00913 Estimate the missing factor in a number sentence (round to the nearest ten, products 2,010 to 81,090).
	SMMA_LO_01078 Multiply one- to five-digit whole numbers by powers of ten (10 to 100,000).
	SMMA_LO_01622 Estimate the product by rounding each factor (a two-digit number by a three-digit number)
	SMMA_LO_01099 Estimate the product of three factors (1,000 to 350,000).

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5.MD.4 Determines the volume of objects.	SMMA_LO_00829 Find the volume of a rectangular solid by counting cubes.
	SMMA_LO_00833 Find the volume of a rectangular solid by counting cubes.
5.G.2 Solves word problems by locating points in the first quadrant of the coordinate plane, and using points in the first quadrant of the coordinate plane..	SMMA_LO_01178 Find the amount of increase or decrease between two points in a line graph.
	SMMA_LO_01206 Read and interpret a line graph.
	SMMA_LO_01325 Given the survival needs for a bug, interpret a line graph with time and temperature data.
5.NBT.2 Evaluates multiplication problems involving multiplication by 10.	SMMA_LO_02046 Explain patterns in the number of zeroes of the product and in the placement of the decimal point when multiplying a number by powers of ten.
	SMMA_LO_00911 Multiply whole numbers (multiples of 10 or 100).
5.G.1 Identifies points on a coordinate plane, and locates points in the first quadrant of the coordinate plane, and determines distance between points on coordinate planes.	SMMA_LO_01057 Identify a point on a grid given an ordered pair, or identify the ordered pair for a point shown on the grid.
	SMMA_LO_01077 Find the coordinates for a point on a grid.
	SMMA_LO_01092 Identify a point on a coordinate grid given the ordered pair.
	SMMA_LO_01178 Find the amount of increase or decrease between two points in a line graph.
	SMMA_LO_01206 Read and interpret a line graph.
	SMMA_LO_01325 Given the survival needs for a bug, interpret a line graph with time and temperature data.
5.OA.1 Evaluates expressions using the order of operations, and identifies simplified equivalent expressions using the order of operations, and Use estimation to determine the magnitude of expressions.	SMMA_LO_01091 Evaluate an expression using the order of operations.

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5.NBT.7 Evaluates multiplication problems involving decimals, and solves division problems involving decimals to hundredths.	SMMA_LO_00223 Multiply two decimals or multiply a decimal by a whole number (tenths to hundredths).
	SMMA_LO_00232 Multiply decimals displayed horizontally ( $0.2 \times 0.6$ to $0.9 \times 0.12$ ).
	SMMA_LO_00235 Multiply decimals by 10, 100, or 1000.
	SMMA_LO_00240 Determine the missing factor in the multiplication number sentence (decimals, to ten-thousandths).
	SMMA_LO_00237 Divide a decimal by a decimal (horizontal division; dividends to tenths).
	SMMA_LO_00239 Divide a decimal by a whole number.
	SMMA_LO_00245 Divide decimals ( $0.3 \times 0.3$ to $0.9 \times 0.09$ ).
	SMMA_LO_00251 Divide decimals ( $0 \times 2$ to $2 \times 5$ ).
	SMMA_LO_00263 Divide a decimal by 0.1, 0.01, or 0.001.
	SMMA_LO_00267 Divide a decimal by 0.1, 0.01, or 0.001 (dividends 0.001 to 0.999).
5.G.4 Identifies true characteristics of quadrilaterals.	SMMA_LO_00656 Identify the true statement about a relationship among quadrilaterals.
5.NF.1 Solves addition and subtraction problems involving fractions with unlike denominators.	SMMA_LO_00465 Add fractions; no simplifying (unlike denominators).
	SMMA_LO_00467 Add fractions; no simplifying (unlike denominators).
	SMMA_LO_00471 Add fractions; simplify if necessary (unlike denominators).
	SMMA_LO_00473 Add fractions; simplify if necessary (unlike denominators).
	SMMA_LO_00484 Add mixed numbers; simplify if necessary (like denominators).
	SMMA_LO_01499 Subtract a three-digit number from a four-digit number (student choice, regrouping from tens, hundreds, and thousands places).
	SMMA_LO_00504 Add mixed numbers; simplify if necessary (unlike denominators).

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	SMMA_LO_00509 Add mixed numbers within a context; simplify if necessary (unlike denominators).
	SMMA_LO_01640 Add two fractional parts of whole numbers in context.
	SMMA_LO_00464 Subtract a fraction from 1; simplify (halves to sixteenths).
	SMMA_LO_00466 Subtract fractions; no simplifying (unlike denominators).
	SMMA_LO_00468 Subtract fractions; no simplifying (unlike denominators).
	SMMA_LO_00472 Subtract fractions; simplify if necessary (unlike denominators).
	SMMA_LO_00474 Subtract fractions; simplify if necessary (unlike denominators).
	SMMA_LO_00500 Subtract mixed numbers; simplify if necessary (unlike denominators).
	SMMA_LO_00505 Subtract mixed numbers; simplify if necessary (unlike denominators).
	SMMA_LO_00510 Subtract mixed numbers within a context; simplify if necessary (unlike denominators).
5.NF.2 Solves word problems involving fraction estimation to determine reasonable answers.	SMMA_LO_01095 Estimate the sum, product, or quotient in problems with fractions.
	SMMA_LO_01707 Estimate the difference of two fractions.
5.NF.4 Determines the algebraic expression used to find the area of a figure.	SMMA_LO_02049 Find the area of a rectangle with fractional side lengths in two ways: by multiplying its side lengths and by tiling it with smaller rectangles.
5.MD.1 Solves word problems involving height and conversions of standard measurement units.	SMMA_LO_00791 Convert customary units of length (inches, feet, and yards).
	SMMA_LO_00814 Convert metric units of length (mm, cm, m, and km; whole numbers).
5.NBT.1 Evaluates multiplication problems to find one-tenth of a given number.	SMMA_LO_02045 Identify the place and the value of a digit in a number; for that value, identify the number 10 times as much and the number 1/10 as much.
5.NBT.6 Solves division problems involving multi-digit divisors and whole number quotients. <sup>3/4</sup>	SMMA_LO_00291 Divide (combinations 2 x 20 to 5 x 90, three-digit dividend, one or two-digit divisor, noremainder).

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	SMMA_LO_00293 Divide (combinations 6 x 20 to 9 x 90).
	SMMA_LO_00303 Find the missing dividend or divisor (combinations 20 _ 20 to 90 _ 90).
	SMMA_LO_00315 Choose the best estimate for a long division problem (three-digit dividends, two-digit divisors).
	SMMA_LO_01109 Estimate the sum, difference, product or quotient to solve a problem in context (round to the nearest thousand).
5.NBT.4 Rounds decimal numbers to a specific place value.	SMMA_LO_00230 Round a decimal to the nearest tenth, hundredth, or whole number.
5.NBT.3 Identifies decimal numbers in expanded form, and compares the magnitude of decimals using inequalities.	SMMA_LO_00204 Match the word name with the decimal number (0.10 to 9.99).
	SMMA_LO_00224 Match a decimal number to an equivalent fraction (tenths to thousandths).
	SMMA_LO_00227 Match a decimal number to its word me (to thousandths).
	SMMA_LO_00241 Identify the place value of a digit in a decimal number (tenths to ten thousandths).
	SMMA_LO_01089 Enter a decimal number in a place-value chart (tenths to thousandths).
	SMMA_LO_00202 Identify the decimal number with a 0 to 9 in the tenths or hundredths place.
	SMMA_LO_00242 Match a decimal number to a model (thousandths).
	SMMA_LO_00225 Compare decimal numbers (to thousandths).
	SMMA_LO_00236 Order three decimals from least to greatest (to thousandths).
	SMMA_LO_00254 Identify the symbol (< or >) needed to complete the inequality.
	SMMA_LO_01103 Identify a list of decimal numbers ordered from least to greatest.

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5.NF.6 Solves multi-step word problems involving fractions using fraction models, and involving multiplication of mixed numbers and whole numbers.	SMMA_LO_02004 Use a model and an equation to solve word problems involving the addition of fractions with like denominators.
	SMMA_LO_02016 Use a model and an equation to solve word problems involving the subtraction of fractions with like denominators.
	SMMA_LO_00835 Find the fractional part of a recipe (multiply a fraction and a mixed number).
	SMMA_LO_00501 Multiply mixed numbers; simplify if necessary.
5.NF.7 Solves word problems involving division of fractions and non-zero whole numbers.	SMMA_LO_02053 Use models to solve real-world problems involving division of whole numbers by unit fractions.
	SMMA_LO_02156 Use models to solve real-world problems involving division of unit fractions by nonzero whole numbers.