



SuccessMaker®

Alignments to SuccessMaker

Providing rigorous intervention
for K-8 learners with unparalleled precision

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
Fall	
4.OA.2 Solves multiplication word problems.	SMMA_LO_02009 Use a model to represents a word problem involving multiplicative comparison. Then, use an equation to represent the solution to the word problem.
4.G.1 Classifies pairs of lines as either parallel or perpendicular, and identifies polygons with specific characteristics.	SMMA_LO_00638 Draw parallel, perpendicular, or intersecting lines on a grid.
	SMMA_LO_00639 Identify the pairs of parallel line segments in a geometric drawing.
	SMMA_LO_00598 Predict whether or not lines will intersect.
	SMMA_LO_00619 Identify parallel and perpendicular streets on a map.
	SMMA_LO_00630 Identify right, acute, and obtuse angles in polygons.
4.NBT.2 Identifies numbers in expanded form.	SMMA_LO_01038 Identify the expanded notation of a four-digit number.
	SMMA_LO_01043 Identify a word name for a four-, five- or six-digit numbers.
	SMMA_LO_01045 Identify a number with a given digit in the ones to hundred thousands place.
	SMMA_LO_01046 Identify the expanded notation of a five- or six-digit number.
	SMMA_LO_01051 Find a number equal to 1 to 9 thousands, 0 to 9 hundreds, 0 to 9 tens, and 0 to 9 ones.
	SMMA_LO_01064 Identify a number with a given digit in the thousands to hundred millions place.
	SMMA_LO_01065 Enter the number for a word name (1000 to 9999).
	SMMA_LO_01070 Enter a number in a place-value chart (10,000 to 999,999).
	SMMA_LO_01075 Enter each individual digit in a place-value chart for a five- to nine-digit number given the name of the number.
	SMMA_LO_01076 Identify the number when given the word name (10,000 to 999,999).
	SMMA_LO_01083 Identify the digits in the period (hundreds, thousands, millions, and billions).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_01097 Express a number in expanded notation or determine the number from an expanded notation.
	SMMA_LO_01032 Show a four-digit number with base-ten blocks.
4.NF.3 Solves subtraction word problems involving fractions with common denominators.	SMMA_LO_00481 Subtract mixed numbers in context; simplify if necessary (like denominators).
	SMMA_LO_02016 Use a model and an equation to solve word problems involving the subtraction of fractions with like denominators.
4.NF.1 Identifies equivalent fractions.	SMMA_LO_00451 Find the missing numerator or denominator in an equivalent fraction (simplified fractions $\frac{1}{2}$ to $\frac{3}{4}$).
	SMMA_LO_00453 Find the missing numerator or denominator in an equivalent fraction (simplified fractions $\frac{1}{2}$ to $\frac{7}{8}$).
	SMMA_LO_00454 Determine if a fraction can be simplified; simplify if possible (simplified fractions $\frac{1}{2}$ to $\frac{7}{8}$).
	SMMA_LO_00455 Write a fraction in simplest form (simplified fractions $\frac{1}{2}$ to $\frac{7}{8}$).
	SMMA_LO_00456 Determine if a fraction can be simplified; simplify if possible (simplified fractions $\frac{1}{2}$ to $\frac{7}{8}$).
	SMMA_LO_00457 Find an equivalent fraction of a simplified fraction (simplified fractions $\frac{1}{2}$ to $\frac{8}{9}$).
	SMMA_LO_00458 Find three equivalent fractions (simplified fractions $\frac{1}{2}$ to $\frac{8}{9}$).
	SMMA_LO_00483 Identify the figures with the equivalent fractional parts shaded.
	SMMA_LO_01791 Generate a table of equivalent fractions for a fraction in simplest form.
	SMMA_LO_01792 Generate a table of equivalent fractions for a fraction not in simplest form.
	SMMA_LO_01793 Identify the fraction equivalent to the given fraction.
	SMMA_LO_00493 Determine the least common denominator of two fractions.

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
4.OA.1 Determines equations that can be used to solve word problems, and identifies equations that represent number sentences.	SMMA_LO_02008 Translate a verbal statement of a multiplicative comparison into a multiplication equation.
	SMMA_LO_02025 Interpret a multiplication equation by writing a comparison statement.
4.NBT.5 Multiplies multi-digit whole numbers.	SMMA_LO_00869 Multiply a two-digit number by a one-digit number (student choice, vertical, products 10 x 1 to 12 x 4).
	SMMA_LO_00870 Multiply a two-digit number by a one-digit number (student choice, products 10 x 2 to 15 x 5).
	SMMA_LO_00871 Multiply a two-digit number by a one-digit number (products 10 x 2 to 12 x 12).
	SMMA_LO_00872 Multiply a two-digit number by a one-digit number (student choice, products 16 x 2 to 19 x 5).
	SMMA_LO_00874 Multiply a two-digit number by a one-digit number (student choice, products 10 x 6 to 15 x 9).
	SMMA_LO_00875 Multiply a one-digit number by a two-digit number (products 2 x 12 to 9 x 12).
	SMMA_LO_00876 Multiply a two-digit number by a one-digit number (student choice, products 16 x 6 to 19 x 9).
	SMMA_LO_00880 Multiply a two-digit number by a one-digit number (student choice, products 21 x 2 to 99 x 9).
	SMMA_LO_00882 Multiply a three-digit number by a one-digit number (student choice, products 100 x 2 to 990 x 9, multiples of 10).
	SMMA_LO_00884 Multiply a two-digit number by a two-digit number (student choice, products 10 x 10 to 15 x 90, multiples of 10).
	SMMA_LO_00886 Multiply whole numbers (student choice, products 101 x 2 to 999 x 9).
	SMMA_LO_00889 Multiply whole numbers (products 20 x 20 to 90 x 90, multiples of 10).
	SMMA_LO_00892 Multiply a four-digit number by a one-digit number (student choice, products 1000 x 2 to 9999 x 9).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_00893 Find the missing factor (products 20 x 20 to 90 x 90, multiples of 10).
	SMMA_LO_00894 Multiply a 1-digit number by a 2-digit number (products 13 x 1 to 19 x 5).
	SMMA_LO_00896 Multiply a 1-digit number by a 2-digit number (products 12 x 6 to 19 x 9).
	SMMA_LO_00899 Multiply whole numbers (student choice, products 11 x 11 to 15 x 99).
	SMMA_LO_00901 Multiply a two-digit number by a two-digit number (student choice, products 16 x 11 to 19 x 99).
	SMMA_LO_01733 Identify equivalent arrays with different factors (two-digit factors).
	SMMA_LO_01734 Use an area model to solve a multiplication problem (two-digit factors).
4.G.2 Identifies specific types of triangles and quadrilaterals.	SMMA_LO_00655 Identify acute, obtuse, and right triangles.
	SMMA_LO_01774 Identify all triangles of a particular class (acute, right, or obtuse).
	SMMA_LO_00621 In a set of quadrilaterals, identify all the parallelograms.
	SMMA_LO_01728 Classify and sort 2D geometric figures by properties and attributes.
4.MD.3 Determines the area of rectangles using the formula: $a = l \times w$, and determines the missing dimension of an object when given the area and side length..	SMMA_LO_00810 Find the area of a rectangle using a formula.
4.NBT.4 Solves multi-digit whole number addition problems.	SMMA_LO_00077 Add two addends (student choice, three-digit addends, sums 1000 to 1899, regrouping hundreds).
	SMMA_LO_00091 Add two addends (student choice, three-digit addends, sums 1010 to 1898, regrouping).
	SMMA_LO_00093 Add two addends (student choice, three-digit addends, sums 1000 to 1989, regrouping).
	SMMA_LO_00096 Add two addends (student choice, three-digit addends, sums 1000 to 1998, regrouping in all places).
	SMMA_LO_00097 Add three addends (student choice, a two-digit and 2 three-digit addends, sums 211 to 2097, regrouping in all places).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_00098 Add three addends (student choice, three-digit addends, sums 311 to 2997, regrouping in all places).
	SMMA_LO_00099 Add two addends (student choice, a three-digit and a four-digit addends, sums 1111 to 10998, regrouping in all places).
	SMMA_LO_00100 Add two addends (student choice, four-digit addends, sums 2111 to 19998, regrouping in all places).
	SMMA_LO_01261 Use logical reasoning to complete an addition puzzle with two three-digit addends.
4.OA.5 Determines missing numbers in a pattern to identify true statements about the pattern, and solves word problems by following a given pattern.	SMMA_LO_00358 Determine the output of one-function machine, given an input and sample inputs and outputs (combinations 2 x 2 to 9 x 9).
	SMMA_LO_01276 Look for a pattern to solve a problem.
	SMMA_LO_01056 Count by 2's, 3's, or 10's (11 to 209, not multiples of 2, 3, 10).
	SMMA_LO_01058 Count by 5's, 6's, or 7's (through 70).
	SMMA_LO_01061 Count by 8's or 9's (up to 90).
	SMMA_LO_01653 Describe the relationship between two sets of numbers in a relation or function using multiplication, addition, or subtraction.
	SMMA_LO_01654 Describe the relationship between two sets of numbers in a relation or function using subtraction (minuends 30 to 50, subtrahends 2 to 5).
	SMMA_LO_01655 Describe the relationship between two sets of numbers in a relation or function using multiplication (factors 2 - 5).
4.MD.1 Solves word problems involving mass and conversion of standard measurement units.	SMMA_LO_00807 Identify the reasonable mass for an object (grams, kilograms, and milligrams).
	SMMA_LO_01704 Identify the appropriate unit of measure (l, kl, g, kg, m, km).
	SMMA_LO_01730 Identify the appropriate unit of weight.
4.OA.3 Solves multi-step word problems involving whole numbers.	SMMA_LO_00246 Identify a reasonable answer for a division problem.

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_01286 Use a picture to solve an addition problem with three addends.
	SMMA_LO_01312 Predict the effect of changing temperatures on the weather.
	SMMA_LO_01323 Measure topsoil in a soil sample; calculate how long it took to form.
	SMMA_LO_01573 Solve a division problem in context by rounding the quotient to the next whole number (model shown).
	SMMA_LO_01592 Make a picture to solve a multistep addition and multiplication problem in context.
	SMMA_LO_01595 Solve an addition problem using data in a table (sums 100 to 198).
	SMMA_LO_01616 Solve a division problem in context (remainder).
	SMMA_LO_01617 Interpret the quotient and remainder of a division problem in context (three-digit dividends).
	SMMA_LO_01289 Choose a method to solve a two-step problem.
	SMMA_LO_01333 Determine the number of calories in multiple servings given data in a chart.
4.OA.4 Determines if a number is prime or composite by finding the factor pairs.	SMMA_LO_01073 Find the factors of a number and determine if the number is prime or composite (3 to 30).
	SMMA_LO_01105 Identify prime and composite numbers (one- or two-digit).
	SMMA_LO_01119 Identify sets of prime and composite numbers.
4.MD.2 Solves multi-step word problems involving money.	SMMA_LO_01583 Make a picture to find the change received from a purchase (change back from \$1.00).
	SMMA_LO_01585 Solve a division problem about money with extra information (round quotient to the nearest whole number).
	SMMA_LO_01591 Estimate the total cost of four items by rounding to the nearest dollar (sums to \$15.00).
	SMMA_LO_01597 Solve an addition problem in context (3 three-digit addends, regrouping).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_01609 Find the change from one dollar for two to four items (each 10, 15, or 20 cents).
	SMMA_LO_01623 Determine the number of dollar bills needed to buy three to five items).
	SMMA_LO_01669 Estimate the difference by rounding to the nearest dollar (minuends \$5.00 to \$20.00, subtrahends \$3.00 to \$15.00).
	SMMA_LO_01278 Identify the most reasonable answer to a multiplication problem involving money.
4.NF.2 Compares the magnitude of fractions by writing fractions with common denominators.	SMMA_LO_00432 Compare fractions to 1 on the number line (halves to eighths).
Winter	
4.NBT.2 Identifies numbers in expanded form.	SMMA_LO_01038 Identify the expanded notation of a four-digit number.
	SMMA_LO_01043 Identify a word name for a four-, five- or six-digit numbers.
	SMMA_LO_01045 Identify a number with a given digit in the ones to hundred thousands place.
	SMMA_LO_01046 Identify the expanded notation of a five- or six-digit number.
	SMMA_LO_01051 Find a number equal to 1 to 9 thousands, 0 to 9 hundreds, 0 to 9 tens, and 0 to 9 ones.
	SMMA_LO_01064 Identify a number with a given digit in the thousands to hundred millions place.
	SMMA_LO_01065 Enter the number for a word name (1000 to 9999).
	SMMA_LO_01070 Enter a number in a place-value chart (10,000 to 999,999).
	SMMA_LO_01075 Enter each individual digit in a place-value chart for a five- to nine-digit number given the name of the number.
	SMMA_LO_01076 Identify the number when given the word name (10,000 to 999,999).
	SMMA_LO_01083 Identify the digits in the period (hundreds, thousands, millions, and billions).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_01097 Express a number in expanded notation or determine the number from an expanded notation.
	SMMA_LO_01032 Show a four-digit number with base-ten blocks.
4.NBT.4 Solves multi-digit whole number addition problems.	SMMA_LO_00077 Add two addends (student choice, three-digit addends, sums 1000 to 1899, regrouping hundreds).
	SMMA_LO_00091 Add two addends (student choice, three-digit addends, sums 1010 to 1898, regrouping).
	SMMA_LO_00093 Add two addends (student choice, three-digit addends, sums 1000 to 1989, regrouping).
	SMMA_LO_00096 Add two addends (student choice, three-digit addends, sums 1000 to 1998, regrouping in all places).
	SMMA_LO_00097 Add three addends (student choice, a two-digit and 2 three-digit addends, sums 211 to 2097, regrouping in all places).
	SMMA_LO_00098 Add three addends (student choice, three-digit addends, sums 311 to 2997, regrouping in all places).
	SMMA_LO_00099 Add two addends (student choice, a three-digit and a four-digit addends, sums 1111 to 10998, regrouping in all places).
	SMMA_LO_00100 Add two addends (student choice, four-digit addends, sums 2111 to 19998, regrouping in all places).
	SMMA_LO_01261 Use logical reasoning to complete an addition puzzle with two three-digit addends.
4.NF.5-6 Compares the magnitude of numbers by converting numbers to fractions or to decimals.	SMMA_LO_02007 Express a fraction with denominator 10 as an equivalent fraction with denominator 100. Then, add that fraction to another fraction with denominator 100.
	SMMA_LO_00184 Match a fraction to a decimal (tenths, 0.1 to 0.9).
	SMMA_LO_00185 Determine the fraction and decimal that represent a model (base-ten blocks, tenths, 0.1 to 0.9).
	SMMA_LO_00187 Enter a decimal number for a mixed number (tenths, 1.1 to 9.9).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_00205 Enter the decimal equivalent for a mixed number (hundredths, 100 in denominator).
	SMMA_LO_00259 Determine the equivalent fraction for a decimal (the denominator is a factor of 100).
	SMMA_LO_00186 Mark the point on a number line that represents a decimal number (0.1 to 0.9).
4.NF.3 Identifies true and false equations containing fractions, and solves multi-step word problems involving fractions with common denominators, and solves word problems involving fractions using fraction models.	SMMA_LO_02146 Determine addition expressions that are equivalent to a given fraction.
	SMMA_LO_00443 Using a model, rewrite a whole number as a fraction (halves to eighths).
	SMMA_LO_02016 Use a model and an equation to solve word problems involving the subtraction of fractions with like denominators.
	SMMA_LO_00480 Add mixed numbers within a context; simplify if necessary (like denominators).
	SMMA_LO_00481 Subtract mixed numbers in context; simplify if necessary (like denominators).
	SMMA_LO_01624 Add mixed numbers with like denominators in context; simplify if necessary.
	SMMA_LO_02004 Use a model and an equation to solve word problems involving the addition of fractions with like denominators.
4.G.1 Identifies polygons with specific characteristics, and pairs of lines as either parallel or perpendicular.	SMMA_LO_00630 Identify right, acute, and obtuse angles in polygons.
	SMMA_LO_00638 Draw parallel, perpendicular, or intersecting lines on a grid.
	SMMA_LO_00639 Identify the pairs of parallel line segments in a geometric drawing.
	SMMA_LO_00598 Predict whether or not lines will intersect.
	SMMA_LO_00619 Identify parallel and perpendicular streets on a map.

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
4.NF.6 Converts fractions with denominators of 10 or 100 to decimals.	SMMA_LO_00184 Match a fraction to a decimal (tenths, 0.1 to 0.9).
	SMMA_LO_00185 Determine the fraction and decimal that represent a model (base-ten blocks, tenths, 0.1 to 0.9).
	SMMA_LO_00187 Enter a decimal number for a mixed number (tenths, 1.1 to 9.9).
	SMMA_LO_00188 Find the missing decimal number on a number line (tenths, 0.1 to 0.9).
	SMMA_LO_00205 Enter the decimal equivalent for a mixed number (hundredths, 100 in denominator).
	SMMA_LO_00259 Determine the equivalent fraction for a decimal (the denominator is a factor of 100).
	SMMA_LO_00186 Mark the point on a number line that represents a decimal number (0.1 to 0.9).
4.MD.2 Solves word problems involving mass, time and conversion of standard measurement units..	SMMA_LO_00807 Identify the reasonable mass for an object (grams, kilograms, and milligrams).
	SMMA_LO_01704 Identify the appropriate unit of measure (l, kl, g, kg, m, km).
	SMMA_LO_01730 Identify the appropriate unit of weight.
	SMMA_LO_01613 Given the ending time and the elapsed time, find the starting time.
	SMMA_LO_00817 Find a fraction of an hour in minutes ($\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$, $\frac{2}{3}$, or $\frac{3}{4}$ hour).
	SMMA_LO_00837 Convert units of time (seconds, minutes, hours, days, weeks, months, and years).
4.OA.1 Identifies number sentences that represent an equation.	SMMA_LO_02008 Translate a verbal statement of a multiplicative comparison into a multiplication equation.
	SMMA_LO_02025 Interpret a multiplication equation by writing a comparison statement.
4.NBT.5 Multiplies two two-digit, and multi-digit whole numbers.	SMMA_LO_00869 Multiply a two-digit number by a one-digit number (student choice, vertical, products 10×1 to 12×4).
	SMMA_LO_00870 Multiply a two-digit number by a one-digit number (student choice, products 10×2 to 15×5).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_00871 Multiply a two-digit number by a one-digit number (products 10 x 2 to 12 x 12).
	SMMA_LO_00872 Multiply a two-digit number by a one-digit number (student choice, products 16 x 2 to 19 x 5).
	SMMA_LO_00874 Multiply a two-digit number by a one-digit number (student choice, products 10 x 6 to 15 x 9).
	SMMA_LO_00875 Multiply a one-digit number by a two-digit number (products 2 x 12 to 9 x 12).
	SMMA_LO_00876 Multiply a two-digit number by a one-digit number (student choice, products 16 x 6 to 19 x 9).
	SMMA_LO_00880 Multiply a two-digit number by a one-digit number (student choice, products 21 x 2 to 99 x 9).
	SMMA_LO_00882 Multiply a three-digit number by a one-digit number (student choice, products 100 x 2 to 990 x 9, multiples of 10).
	SMMA_LO_00884 Multiply a two-digit number by a two-digit number (student choice, products 10 x 10 to 15 x 90, multiples of 10).
	SMMA_LO_00886 Multiply whole numbers (student choice, products 101 x 2 to 999 x 9).
	SMMA_LO_00889 Multiply whole numbers (products 20 x 20 to 90 x 90, multiples of 10).
	SMMA_LO_00892 Multiply a four-digit number by a one-digit number (student choice, products 1000 x 2 to 9999 x 9).
	SMMA_LO_00893 Find the missing factor (products 20 x 20 to 90 x 90, multiples of 10).
	SMMA_LO_00894 Multiply a 1-digit number by a 2-digit number (products 13 x 1 to 19 x 5).
	SMMA_LO_00896 Multiply a 1-digit number by a 2-digit number (products 12 x 6 to 19 x 9).
	SMMA_LO_00899 Multiply whole numbers (student choice, products 11 x 11 to 15 x 99).
	SMMA_LO_00901 Multiply a two-digit number by a two-digit number (student choice, products 16 x 11 to 19 x 99).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_01733 Identify equivalent arrays with different factors (two-digit factors).
	SMMA_LO_01734 Use an area model to solve a multiplication problem (two-digit factors).
4.OA.3 Solves multi-step word problems involving whole numbers.	SMMA_LO_00246 Identify a reasonable answer for a division problem.
	SMMA_LO_01286 Use a picture to solve an addition problem with three addends.
	SMMA_LO_01312 Predict the effect of changing temperatures on the weather.
	SMMA_LO_01323 Measure topsoil in a soil sample; calculate how long it took to form.
	SMMA_LO_01573 Solve a division problem in context by rounding the quotient to the next whole number (model shown).
	SMMA_LO_01592 Make a picture to solve a multistep addition and multiplication problem in context.
	SMMA_LO_01595 Solve an addition problem using data in a table (sums 100 to 198).
	SMMA_LO_01616 Solve a division problem in context (remainder).
	SMMA_LO_01617 Interpret the quotient and remainder of a division problem in context (three-digit dividends).
	SMMA_LO_01289 Choose a method to solve a two-step problem.
	SMMA_LO_01333 Determine the number of calories in multiple servings given data in a chart.
4.G.2 Identifies specific types of triangles.	SMMA_LO_00655 Identify acute, obtuse, and right triangles.
	SMMA_LO_01774 Identify all triangles of a particular class (acute, right, or obtuse).
4.NF.1 Identifies equivalent fractions.	SMMA_LO_00451 Find the missing numerator or denominator in an equivalent fraction (simplified fractions $\frac{1}{2}$ to $\frac{3}{4}$).
	SMMA_LO_00453 Find the missing numerator or denominator in an equivalent fraction (simplified fractions $\frac{1}{2}$ to $\frac{7}{8}$).
	SMMA_LO_00454 Determine if a fraction can be simplified; simplify if possible (simplified fractions $\frac{1}{2}$ to $\frac{7}{8}$).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_00455 Write a fraction in simplest form (simplified fractions 1/2 to 7/8).
	SMMA_LO_00456 Determine if a fraction can be simplified; simplify if possible (simplified fractions 1/2 to 7/8).
	SMMA_LO_00457 Find an equivalent fraction of a simplified fraction (simplified fractions 1/2 to 8/9).
	SMMA_LO_00458 Find three equivalent fractions (simplified fractions 1/2 to 8/9).
	SMMA_LO_00483 Identify the figures with the equivalent fractional parts shaded.
	SMMA_LO_01791 Generate a table of equivalent fractions for a fraction in simplest form.
	SMMA_LO_01792 Generate a table of equivalent fractions for a fraction not in simplest form.
	SMMA_LO_01793 Identify the fraction equivalent to the given fraction.
	SMMA_LO_00493 Determine the least common denominator of two fractions.
4.NF.4 Solves word problems that involve multiplication of fractions and whole numbers.	SMMA_LO_01285 Determine the sale price of an item when the price is reduced by one-half, one-third, or one-fourth.
4.MD.3 Determines the missing dimension of an object when given the area and side length.	SMMA_LO_00810 Find the area of a rectangle using a formula.
3.MD.8 Determines the missing dimension of an object when given the perimeter and width, and determines the perimeter of a polygon.	SMMA_LO_00788 Given the length of one side of a rectangle, measure another side, and then find the perimeter.
	SMMA_LO_00821 Given the lengths of all sides, find the perimeter of a rectangle.
	SMMA_LO_00849 Given a perimeter, mark equilateral polygons with the same side measures.
	SMMA_LO_00169 Find the perimeter of a rectangle (24 to 48 customary or metric units).
	SMMA_LO_00850 Identify examples of relationships between area and perimeter.
	SMMA_LO_00708 Count to find the perimeter (3 to 9 nonstandard units).
	SMMA_LO_00734 Identify the shape with the greater perimeter (3 to 11 nonstandard units).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_00757 Find the perimeter of a figure (3 to 10 nonstandard units).
	SMMA_LO_00878 Multiply whole numbers (student choice, 2-digit multiple of 10 x 1-digit, products 20 x 2 to 90 x 9).
4.OA.4 Determines the factor pairs of numbers up to 100, and if a number is prime or composite by finding the factor pairs.	SMMA_LO_01066 Identify the number that is divisible by a given factor (numbers 2 to 81, factors 2 to 9).
	SMMA_LO_01071 Identify the complete set of factors for a number (2 to 25).
	SMMA_LO_01073 Find the factors of a number and determine if the number is prime or composite (3 to 30).
	SMMA_LO_01107 Determine three factors of a given number.
	SMMA_LO_01093 Identify the prime factorization of a two-digit number.
	SMMA_LO_01101 Identify which numbers are divisible by another number (divisors 2 to 10).
	SMMA_LO_01105 Identify prime and composite numbers (one- or two-digit).
	SMMA_LO_01119 Identify sets of prime and composite numbers.
4.OA.2 Solves multiplicative comparison word problems.	SMMA_LO_02009 Use a model to represents a word problem involving multiplicative comparison. Then, use an equation to represent the solution to the word problem.
4.NF.2 Compares the magnitude of fractions by writing fractions with common denominators.	SMMA_LO_00432 Compare fractions to 1 on the number line (halves to eighths).
4.NF.5 Solves fraction addition problems by converting fractions to a common denominator.	SMMA_LO_02007 Express a fraction with denominator 10 as an equivalent fraction with denominator 100. Then, add that fraction to another fraction with denominator 100.

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
Spring	
4.NBT.4 Solves multi-digit whole number addition and subtraction problems.	SMMA_LO_00077 Add two addends (student choice, three-digit addends, sums 1000 to 1899, regrouping hundreds).
	SMMA_LO_00091 Add two addends (student choice, three-digit addends, sums 1010 to 1898, regrouping).
	SMMA_LO_00093 Add two addends (student choice, three-digit addends, sums 1000 to 1989, regrouping).
	SMMA_LO_00096 Add two addends (student choice, three-digit addends, sums 1000 to 1998, regrouping in all places).
	SMMA_LO_00097 Add three addends (student choice, a two-digit and 2 three-digit addends, sums 211 to 2097, regrouping in all places).
	SMMA_LO_00098 Add three addends (student choice, three-digit addends, sums 311 to 2997, regrouping in all places).
	SMMA_LO_00099 Add two addends (student choice, a three-digit and a four-digit addends, sums 1111 to 10998, regrouping in all places).
	SMMA_LO_00100 Add two addends (student choice, four-digit addends, sums 2111 to 19998, regrouping in all places).
	SMMA_LO_01261 Use logical reasoning to complete an addition puzzle with two three-digit addends.
	SMMA_LO_01493 Subtract a three-digit number from a four-digit number (regrouping from the tens place).
	SMMA_LO_01494 Subtract a three-digit number from a four-digit number (regrouping from the tens and thousands places).
	SMMA_LO_01495 Subtract a three-digit number from a four-digit number (regrouping from the tens and thousands places).
	SMMA_LO_01496 Subtract a three-digit number from a four-digit number (regrouping from the tens and hundreds places).
	SMMA_LO_01497 Subtract a three-digit number from a four-digit number (regrouping from the tens and hundreds places).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_01498 Find the difference of two whole numbers (student choice, four-digit numbers, regrouping from tens and hundreds places).
	SMMA_LO_01499 Subtract a three-digit number from a four-digit number (student choice, regrouping from tens, hundreds, and thousands places).
	SMMA_LO_01500 Subtract a three-digit number from a four-digit number (student choice, regrouping from tens, hundreds, and thousands places).
	SMMA_LO_01501 Find the difference of two whole numbers (student choice, four-digit numbers, regrouping from tens and thousands places).
	SMMA_LO_01502 Subtract across zero (student choice, four-digit minuends with a 0 in the tens place, regrouping from the tens, hundreds, and thousands places).
	SMMA_LO_01503 Subtract across zero (student choice, four-digit minuends with a 0 in the tens place, regrouping from the tens, hundreds, and thousands places).
	SMMA_LO_01504 Find the difference of two whole numbers (student choice, four-digit numbers, regrouping from tens, hundreds, and thousands places).
4.OA.2 Solves multiplication and multiplicative comparison word problems.	SMMA_LO_02009 Use a model to represents a word problem involving multiplicative comparison. Then, use an equation to represent the solution to the word problem.
4.NF.5-6 Compares the magnitude of numbers by converting numbers to fractions or to decimals.	SMMA_LO_02007 Express a fraction with denominator 10 as an equivalent fraction with denominator 100. Then, add that fraction to another fraction with denominator 100.
	SMMA_LO_00184 Match a fraction to a decimal (tenths, 0.1 to 0.9).
	SMMA_LO_00185 Determine the fraction and decimal that represent a model (base-ten blocks, tenths, 0.1 to 0.9).
	SMMA_LO_00187 Enter a decimal number for a mixed number (tenths, 1.1 to 9.9).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_00205 Enter the decimal equivalent for a mixed number (hundredths, 100 in denominator).
	SMMA_LO_00259 Determine the equivalent fraction for a decimal (the denominator is a factor of 100).
	SMMA_LO_00186 Mark the point on a number line that represents a decimal number (0.1 to 0.9).
4.OA.1 Determines equations that can be used to solve word problems.	SMMA_LO_02008 Translate a verbal statement of a multiplicative comparison into a multiplication equation.
	SMMA_LO_02025 Interpret a multiplication equation by writing a comparison statement.
4.NBT.2 Identifies numbers in expanded form.	SMMA_LO_01038 Identify the expanded notation of a four-digit number.
	SMMA_LO_01043 Identify a word name for a four-, five- or six-digit numbers.
	SMMA_LO_01045 Identify a number with a given digit in the ones to hundred thousands place.
	SMMA_LO_01046 Identify the expanded notation of a five- or six-digit number.
	SMMA_LO_01051 Find a number equal to 1 to 9 thousands, 0 to 9 hundreds, 0 to 9 tens, and 0 to 9 ones.
	SMMA_LO_01064 Identify a number with a given digit in the thousands to hundred millions place.
	SMMA_LO_01065 Enter the number for a word name (1000 to 9999).
	SMMA_LO_01070 Enter a number in a place-value chart (10,000 to 999,999).
	SMMA_LO_01075 Enter each individual digit in a place-value chart for a five- to nine-digit number given the name of the number.
	SMMA_LO_01076 Identify the number when given the word name (10,000 to 999,999).
	SMMA_LO_01083 Identify the digits in the period (hundreds, thousands, millions, and billions).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_01097 Express a number in expanded notation or determine the number from an expanded notation.
	SMMA_LO_01032 Show a four-digit number with base-ten blocks.
4.MD.5 Estimates angle measurement when the vertex is the center of a circle.	SMMA_LO_00617 Match the labeled angles to the correct angle notation.
4.G.2 Identifies specific types of triangles, and quadrilaterals	SMMA_LO_00655 Identify acute, obtuse, and right triangles.
	SMMA_LO_01774 Identify all triangles of a particular class (acute, right, or obtuse).
	SMMA_LO_00621 In a set of quadrilaterals, identify all the parallelograms.
	SMMA_LO_01728 Classify and sort 2D geometric figures by properties and attributes.
4.MD.2 Solves word problems involving mass, and involving time and conversion of standard measurement units.	SMMA_LO_00807 Identify the reasonable mass for an object (grams, kilograms, and milligrams).
	SMMA_LO_01704 Identify the appropriate unit of measure (l, kl, g, kg, m, km).
	SMMA_LO_01730 Identify the appropriate unit of weight.
	SMMA_LO_01613 Given the ending time and the elapsed time, find the starting time.
	SMMA_LO_00817 Find a fraction of an hour in minutes ($\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$, $\frac{2}{3}$, or $\frac{3}{4}$ hour).
	SMMA_LO_00837 Convert units of time (seconds, minutes, hours, days, weeks, months, and years).
4.NBT.5 Multiplies multi-digit whole numbers.	SMMA_LO_00869 Multiply a two-digit number by a one-digit number (student choice, vertical, products 10×1 to 12×4).
	SMMA_LO_00870 Multiply a two-digit number by a one-digit number (student choice, products 10×2 to 15×5).
	SMMA_LO_00871 Multiply a two-digit number by a one-digit number (products 10×2 to 12×12).
	SMMA_LO_00872 Multiply a two-digit number by a one-digit number (student choice, products 16×2 to 19×5).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
	SMMA_LO_00874 Multiply a two-digit number by a one-digit number (student choice, products 10 x 6 to 15 x 9).
	SMMA_LO_00875 Multiply a one-digit number by a two-digit number (products 2 x 12 to 9 x 12).
	SMMA_LO_00876 Multiply a two-digit number by a one-digit number (student choice, products 16 x 6 to 19 x 9).
	SMMA_LO_00880 Multiply a two-digit number by a one-digit number (student choice, products 21 x 2 to 99 x 9).
	SMMA_LO_00882 Multiply a three-digit number by a one-digit number (student choice, products 100 x 2 to 990 x 9, multiples of 10).
	SMMA_LO_00884 Multiply a two-digit number by a two-digit number (student choice, products 10 x 10 to 15 x 90, multiples of 10).
	SMMA_LO_00886 Multiply whole numbers (student choice, products 101 x 2 to 999 x 9).
	SMMA_LO_00889 Multiply whole numbers (products 20 x 20 to 90 x 90, multiples of 10).
	SMMA_LO_00892 Multiply a four-digit number by a one-digit number (student choice, products 1000 x 2 to 9999 x 9).
	SMMA_LO_00893 Find the missing factor (products 20 x 20 to 90 x 90, multiples of 10).
	SMMA_LO_00894 Multiply a 1-digit number by a 2-digit number (products 13 x 1 to 19 x 5).
	SMMA_LO_00896 Multiply a 1-digit number by a 2-digit number (products 12 x 6 to 19 x 9).
	SMMA_LO_00899 Multiply whole numbers (student choice, products 11 x 11 to 15 x 99).
	SMMA_LO_00901 Multiply a two-digit number by a two-digit number (student choice, products 16 x 11 to 19 x 99).
	SMMA_LO_01733 Identify equivalent arrays with different factors (two-digit factors).
	SMMA_LO_01734 Use an area model to solve a multiplication problem (two-digit factors).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
4.NF.4 Identifies whole number factors when given fraction factors and products.	SMMA_LO_02005 Use fraction models to relate a fraction to a whole number times a unit fraction. Then, write an equation for this relationship.
	SMMA_LO_02006 Use fraction models to rewrite the product of a whole number and a fraction as the product of a whole number and a unit fraction. Then, find the product.
4.NF.3 Solves word problems involving fractions with common denominators, and word problems involving fractions using fraction models.	SMMA_LO_00480 Add mixed numbers within a context; simplify if necessary (like denominators).
	SMMA_LO_00481 Subtract mixed numbers in context; simplify if necessary (like denominators).
	SMMA_LO_01624 Add mixed numbers with like denominators in context; simplify if necessary.
	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.
4.MD.3 Determines the missing dimension of an object when given the area and side length, and solves multi-step word problems involving area	SMMA_LO_00810 Find the area of a rectangle using a formula.
4.OA.4 Determines the factor pairs of numbers up to 100.	SMMA_LO_01066 Identify the number that is divisible by a given factor (numbers 2 to 81, factors 2 to 9).
	SMMA_LO_01071 Identify the complete set of factors for a number (2 to 25).
	SMMA_LO_01073 Find the factors of a number and determine if the number is prime or composite (3 to 30).
	SMMA_LO_01107 Determine three factors of a given number.
	SMMA_LO_01093 Identify the prime factorization of a two-digit number.
	SMMA_LO_01101 Identify which numbers are divisible by another number (divisors 2 to 10).

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
4.NF.1 Identifies equivalent fractions.	SMMA_LO_00451 Find the missing numerator or denominator in an equivalent fraction (simplified fractions 1/2 to 3/4).
	SMMA_LO_00453 Find the missing numerator or denominator in an equivalent fraction (simplified fractions 1/2 to 7/8).
	SMMA_LO_00454 Determine if a fraction can be simplified; simplify if possible (simplified fractions 1/2 to 7/8).
	SMMA_LO_00455 Write a fraction in simplest form (simplified fractions 1/2 to 7/8).
	SMMA_LO_00456 Determine if a fraction can be simplified; simplify if possible (simplified fractions 1/2 to 7/8).
	SMMA_LO_00457 Find an equivalent fraction of a simplified fraction (simplified fractions 1/2 to 8/9).
	SMMA_LO_00458 Find three equivalent fractions (simplified fractions 1/2 to 8/9).
	SMMA_LO_00483 Identify the figures with the equivalent fractional parts shaded.
	SMMA_LO_01791 Generate a table of equivalent fractions for a fraction in simplest form.
	SMMA_LO_01792 Generate a table of equivalent fractions for a fraction not in simplest form.
	SMMA_LO_01793 Identify the fraction equivalent to the given fraction.
	SMMA_LO_00493 Determine the least common denominator of two fractions.
4.MD.7 Uses subtraction to determine unknown angle measurements in a diagram.	SMMA_LO_00650 Use a protractor to measure an angle in a triangle or quadrilateral; then find the sum of all the angles in the figure.

aimswebPlus CCSS Math Grade-Domain Code - Behavioral Objective Grade 4	SuccessMaker Item Description
4.OA.5 Determines missing numbers in a pattern to identify true statements about the pattern.	SMMA_LO_00358 Determine the output of one-function machine, given an input and sample inputs and outputs (combinations 2 x 2 to 9 x 9).
	SMMA_LO_01276 Look for a pattern to solve a problem.
	SMMA_LO_01056 Count by 2's, 3's, or 10's (11 to 209, not multiples of 2, 3, 10).
	SMMA_LO_01058 Count by 5's, 6's, or 7's (through 70).
	SMMA_LO_01061 Count by 8's or 9's (up to 90).
	SMMA_LO_01653 Describe the relationship between two sets of numbers in a relation or function using multiplication, addition, or subtraction.
	SMMA_LO_01654 Describe the relationship between two sets of numbers in a relation or function using subtraction (minuends 30 to 50, subtrahends 2 to 5).
	SMMA_LO_01655 Describe the relationship between two sets of numbers in a relation or function using multiplication (factors 2 - 5).
4.G.1 Identifies types of lines in 2-dimensional objects, and identifies polygons with specific characteristics.	SMMA_LO_00579 Identify line segments in three- and four-sided figures.
	SMMA_LO_00639 Identify the pairs of parallel line segments in a geometric drawing.
	SMMA_LO_00619 Identify parallel and perpendicular streets on a map.
	SMMA_LO_00630 Identify right, acute, and obtuse angles in polygons.
4.NF.2 Compares the magnitude of fractions by writing fractions with common denominators.	SMMA_LO_00432 Compare fractions to 1 on the number line (halves to eighths).