

SAVVAS



SuccessMaker®

**Florida B.E.S.T. Standards for Mathematics 2020
Benchmarks for Excellent Student Thinking
Grade 5**

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

Florida B.E.S.T. Standards' Codes	Florida B.E.S.T. Standards for Mathematics Grade 5	SuccessMaker Item Descriptions	Item IDs
MA.5.NSO	Number Sense and Operations		
MA.5.NSO.1	Understand the place value of multi-digit numbers with decimals to the thousandths place.	Identify the place value of a digit in a decimal number (tenths to ten thousandths).	SMMA_LO_00241
		Match a decimal number to its word name (to thousandths).	SMMA_LO_00227
		Multiply a whole number or a decimal by 0.1, 0.01, or 0.001.	SMMA_LO_00252
		Identify the decimal number with a 0 to 9 in the tenths or hundredths place.	SMMA_LO_00202
		Enter a decimal number in a place-value chart (tenths to thousandths).	SMMA_LO_01089
MA.5.NSO.1.1	Express how the value of a digit in a multi-digit number with decimals to the thousandths changes if the digit moves one or more places to the left or right.	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_02046
		Multiply decimals by 10, 100, or 1000.	SMMA_LO_00235
		Fractions and Decimals Targeted Lesson 28: Powers of Ten	
		Fractions and Decimals Targeted Lesson 35: Multiplying Decimals	
MA.5.NSO.1.2	Read and write multi-digit numbers with decimals to the thousandths using standard form, word form and expanded form.	Match the word name with the decimal number (0.10 to 9.99).	SMMA_LO_00204
		Match a decimal number to its word name (to thousandths).	SMMA_LO_00227
		Enter the decimal equivalent for a mixed number (hundredths, 100 in denominator).	SMMA_LO_00205
		Add and compare decimals to hundredths to decide whether customers will save money	SMMA_LO_02506
		Enter a decimal number for a mixed number (tenths, 1.1 to 9.9).	SMMA_LO_00187

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MA.5.NSO.1.3	Compose and decompose multi-digit numbers with decimals to the thousandths in multiple ways using the values of the digits in each place. Demonstrate the compositions or decompositions using objects, drawings and expressions or equations.	Add and compare decimals to hundredths to decide whether customers will save money	SMMA_LO_02506
		Decompose two-digit numbers in multiple ways.	SMMA_LO_02160
		Determine the decimal and percent that is represented by a model (base-ten blocks, hundredths).	SMMA_LO_00256
		Match a decimal number to a model (thousandths).	SMMA_LO_00242
MA.5.NSO.1.4	Plot, order and compare multi-digit numbers with decimals up to the thousandths.	Compare decimal numbers (0.1 to 9.9).	SMMA_LO_00191
		Order three decimal numbers (tenths to hundredths).	SMMA_LO_00218
		Compare two decimal numbers (10.01 to 99.99).	SMMA_LO_00216
		Order three decimals from least to greatest (to thousandths).	SMMA_LO_00236
		Add and compare decimals to hundredths to decide whether customers will save money	SMMA_LO_02506
		Compare decimals (to hundredths) to benchmark fractions.	SMMA_LO_00209
		Find a decimal number that is either greater than or less than two decimal numbers.	SMMA_LO_01118
		Compare decimal numbers (to thousandths).	SMMA_LO_00225
		Fractions and Decimals Targeted Lesson 30: Comparing Decimals	
		Fractions and Decimals Targeted Lesson 31: Ordering Decimals	
MA.5.NSO.1.5	Round multi-digit numbers with decimals to the thousandths to the nearest hundredth, tenth or whole number.	Round a decimal to the nearest tenth, hundredth, or whole number.	SMMA_LO_00230

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MA.5.NSO.2	Add, subtract, multiply and divide multi-digit numbers.	Divide using the long division algorithm (three-digit number, two-digit divisor, remainder).	SMMA_LO_00304
		Multiply whole numbers (student choice, products 10,000 x 2 to 99,999 x 9).	SMMA_LO_00900
		Multiply (student choice, products 1000 x 20 to 9999 x 90, multiples of 10).	SMMA_LO_00906
		Multiply whole numbers (student choice, 10,000 x 21 to 99,999 x 99).	SMMA_LO_00910
		Multiply by a multiple of 10 (student choice, 10,000 x 20 to 99,999 x 90).	SMMA_LO_00908
		Multiply whole numbers (student choice, products 1000 x 21 to 9999 x 99).	SMMA_LO_00909
		Multiplication and Division Targeted Lesson 31: Multiplying Multi-digit Numbers	
		Multiplication and Division Targeted Lesson 32: Multiplying by Two-Digit Numbers	
MA.5.NSO.2.1	Multiply multi-digit whole numbers including using a standard algorithm with procedural fluency.	Multiply whole numbers (student choice, products 10,000 x 2 to 99,999 x 9).	SMMA_LO_00900
		Multiply (student choice, products 1000 x 20 to 9999 x 90, multiples of 10).	SMMA_LO_00906
		Multiply whole numbers (student choice, 10,000 x 21 to 99,999 x 99).	SMMA_LO_00910
		Multiply by a multiple of 10 (student choice, 10,000 x 20 to 99,999 x 90).	SMMA_LO_00908
		Multiply whole numbers (student choice, products 1000 x 21 to 9999 x 99).	SMMA_LO_00909
		Multiplication and Division Targeted Lesson 31: Multiplying Multi-digit Numbers	
		Multiplication and Division Targeted Lesson 32: Multiplying by Two-Digit Numbers	

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MA.5.NSO.2.2	Divide multi-digit whole numbers, up to five digits by two digits, including using a standard algorithm with procedural fluency. Represent remainders as fractions.	Divide using the long division algorithm (three-digit number, two-digit divisor, remainder).	SMMA_LO_00304
MA.5.NSO.2.3	Add and subtract multi-digit numbers with decimals to the thousandths, including using a standard algorithm with procedural fluency.	Align the decimal numbers in a vertical subtraction problem; then solve (decimals to thousandths).	SMMA_LO_00233
		Align the decimal numbers for a vertical addition problem; then solve (to thousandths).	SMMA_LO_00226
		Align the decimal numbers for a vertical subtraction problem; then solve (to thousandths).	SMMA_LO_00228
		Align the decimal numbers in a vertical addition problem; then solve (hundredths, regrouping).	SMMA_LO_00211
		Subtract decimals with regrouping (to ten-thousandths).	SMMA_LO_00243
		Subtract the decimal numbers provided on a data table.	SMMA_LO_01786
		Add and compare decimals to hundredths to decide whether customers will save money	SMMA_LO_02506
		Align the decimal numbers in a vertical subtraction problem; then solve (hundredths, regrouping).	SMMA_LO_00212
		Fractions and Decimals Targeted Lesson 33: Decimal Sequences	
		Fractions and Decimals Targeted Lesson 34: Adding and Subtracting Decimals	
MA.5.NSO.2.4	Explore the multiplication and division of multi-digit numbers with decimals to the hundredths using estimation, rounding and place value.	Divide decimals (0.3 x 0.3 to 0.9 x 0.09).	SMMA_LO_00245
		Divide a decimal by a decimal (horizontal division; dividends to tenths).	SMMA_LO_00237
		Multiply a whole number or a decimal by 0.1, 0.01, or 0.001.	SMMA_LO_00252
		Move the decimal point in the divisor and dividend in a long division problem.	SMMA_LO_00247

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		Identify the location of the decimal point of the product of two decimals (factors, tenths to hundredths).	SMMA_LO_00222
		Move the decimal point in the divisor and dividend in a long division problem; then find the quotient.	SMMA_LO_00249
		Multiply two decimals or multiply a decimal by a whole number (tenths to hundredths).	SMMA_LO_00223
		Multiply decimals (to thousandths x hundredths).	SMMA_LO_00234
		Identify the probable error in a multiplication calculation with decimals.	SMMA_LO_00250
		Represent quotients of decimals using objects and pictorial models, including area models.	SMMA_LO_02193
		Round a decimal to the nearest tenth, hundredth, or whole number.	SMMA_LO_00230
		Find the missing factor and quotient in two related number sentences (products 0.2×2 to 0.9×5).	SMMA_LO_00219
		Divide a decimal by 0.1, 0.01, or 0.001.	SMMA_LO_00263
		Multiply decimals displayed horizontally (0.2×0.6 to 0.9×0.12).	SMMA_LO_00232
		Multiply decimals (to ten-thousandths x ten-thousandths).	SMMA_LO_00244
		Determine the missing factor in the multiplication number sentence (decimals, to ten-thousandths).	SMMA_LO_00240
		Divide decimals (0×2 to 2×5).	SMMA_LO_00251
		Divide a decimal by 0.1, 0.01, or 0.001 (dividends 0.001 to 0.999).	SMMA_LO_00267
		Fractions and Decimals Targeted Lesson 32: Estimating Decimal Operations	
		Fractions and Decimals Targeted Lesson 35: Multiplying Decimals	
		Fractions and Decimals Targeted Lesson 36: Multiplying and Dividing Decimals	

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MA.5.NSO.2.5	Multiply and divide a multi-digit number with decimals to the tenths by one-tenth and one-hundredth with procedural reliability.	Move the decimal point in the divisor and dividend in a long division problem.	SMMA_LO_00247
		Identify the location of the decimal point of the product of two decimals (factors, tenths to hundredths).	SMMA_LO_00222
		Move the decimal point in the divisor and dividend in a long division problem; then find the quotient.	SMMA_LO_00249
		Determine the missing factor in the multiplication number sentence (decimals, to ten-thousandths).	SMMA_LO_00240
		Fractions and Decimals Targeted Lesson 35: Multiplying Decimals	
		Fractions and Decimals Targeted Lesson 36: Multiplying and Dividing Decimals	
MA.5.FR	Fractions		
MA.5.FR.1	Interpret a fraction as an answer to a division problem.		
MA.5.FR.1.1	Given a mathematical or real-world problem, represent the division of two whole numbers as a fraction.	Identify the division problem that can be used to rewrite a fraction as a decimal.	SMMA_LO_00257
		Fractions and Decimals Targeted Lesson 1: Identifying Fractions Using Sets	
MA.5.FR.2	Perform operations with fractions.	Divide a mixed number by a fraction; simplify if necessary.	SMMA_LO_01789
		Multiply fractions; simplify.	SMMA_LO_00475
		Divide a fraction by a fraction; simplify if necessary.	SMMA_LO_01788
		Estimate the difference of two fractions.	SMMA_LO_01707
		Find the fractional part of a recipe (multiply a fraction and a mixed number).	SMMA_LO_00835
		Multiply three fractions; simplify if necessary.	SMMA_LO_00506
		Add two fractional parts of whole numbers in context.	SMMA_LO_01640
		Divide fractions; simplify if necessary.	SMMA_LO_00487
		Find a fractional part of a fraction.	SMMA_LO_00498
		Divide fractions; simplify.	SMMA_LO_00512

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		Multiply fractions; simplify first.	SMMA_LO_00476
		Multiply with fractions to calculate the weight in campers' backpacks.	SMMA_LO_02507
		Model the multiplication of two fractions; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02054
		Subtract two fractions from a whole within a context.	SMMA_LO_01634
		Multiply fractions; no simplifying.	SMMA_LO_00469
		Divide a fraction by a mixed number; simplify if necessary.	SMMA_LO_00491
		Fractions and Decimals Targeted Lesson 22: Multiplying Fractions	
MA.5.FR.2.1	Add and subtract fractions with unlike denominators, including mixed numbers and fractions greater than 1, with procedural reliability.	Subtract fractions; simplify if necessary (unlike denominators).	SMMA_LO_00474
		Add mixed numbers; simplify if necessary (unlike denominators).	SMMA_LO_00504
		Subtract fractions; simplify if necessary (unlike denominators).	SMMA_LO_00472
		Add fractions; simplify if necessary (unlike denominators).	SMMA_LO_00473
		Add fractions; no simplifying (unlike denominators).	SMMA_LO_00467
		Subtract fractions; no simplifying (unlike denominators).	SMMA_LO_00466
		Subtract fractions; no simplifying (unlike denominators).	SMMA_LO_00468
		Add fractions; simplify if necessary (unlike denominators).	SMMA_LO_00471
		Add fractions; no simplifying (unlike denominators).	SMMA_LO_00465
		Add mixed numbers within a context; simplify if necessary (unlike denominators).	SMMA_LO_00509
		Add mixed numbers; simplify if necessary (unlike denominators).	SMMA_LO_00499
		Fractions and Decimals Targeted Lesson 17: Adding and Subtracting Fractions with Unlike Denominators	
		Fractions and Decimals Targeted Lesson 20: Adding and Subtracting Mixed Numbers with Unlike Denominators	

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MA.5.FR.2.2	Extend previous understanding of multiplication to multiply a fraction by a fraction, including mixed numbers and fractions greater than 1, with procedural reliability.	Multiply fractions; simplify.	SMMA_LO_00475
		Multiply mixed numbers; simplify if necessary.	SMMA_LO_00501
		Find the fractional part of a recipe (multiply a fraction and a mixed number).	SMMA_LO_00835
		Multiply mixed numbers to determine the area of a rectangle or triangle; simplify if necessary.	SMMA_LO_00508
		Multiply three fractions; simplify if necessary.	SMMA_LO_00506
		Find a fractional part of a fraction.	SMMA_LO_00498
		Multiply fractions; simplify first.	SMMA_LO_00476
		Multiply with fractions to calculate the weight in campers' backpacks.	SMMA_LO_02507
		Model the multiplication of two fractions; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02054
		Multiply fractions; no simplifying.	SMMA_LO_00469
		Fractions and Decimals Targeted Lesson 22: Multiplying Fractions	
MA.5.FR.2.3	When multiplying a given number by a fraction less than 1 or a fraction greater than 1, predict and explain the relative size of the product to the given number without calculating.	Determine whether multiplying a number by a factor results in scaling the number up or down.	SMMA_LO_02050
		Multiply with fractions to calculate the weight in campers' backpacks.	SMMA_LO_02507
		Determine whether multiplying a number by a factor results in scaling the number up or down.	SMMA_LO_02051
		Fractions and Decimals Targeted Lesson 32: Estimating Decimal Operations	

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MA.5.FR.2.4	Extend previous understanding of division to explore the division of a unit fraction by a whole number and a whole number by a unit fraction.	Use models to solve real-world problems involving division of whole numbers by unit fractions.	SMMA_LO_02053
		Divide a whole number by a fraction.	SMMA_LO_00492
		Model the division of a unit fraction by a nonzero whole number, and compute the quotient.	SMMA_LO_02052
		Use models to solve real-world problems involving division of unit fractions by nonzero whole numbers.	SMMA_LO_02156
		Divide a fraction by a whole number; simplify if necessary.	SMMA_LO_00489
		Divide a whole number by a fraction; simplify if necessary.	SMMA_LO_01787
		Fractions and Decimals Targeted Lesson 23: Dividing Unit Fractions	
		Fractions and Decimals Targeted Lesson 24: Dividing by Unit Fractions	
MA.5.AR	Algebraic Reasoning		
MA.5.AR.1	Solve problems involving the four operations with whole numbers and fractions.		
MA.5.AR.1.1	Solve multi-step real-world problems involving any combination of the four operations with whole numbers, including problems in which remainders must be interpreted within the context.	Solve a two-step equation (fractions, multiplication).	SMMA_LO_01850
		Find the combined area of two walkways and the total cost of paving stones to cover the walkway.	SMMA_LO_02501
		Figure the expected expenses and income to help decide if it is worth setting up a Taco Truck at the county fair.	SMMA_LO_02503
		Make a picture to solve a multistep addition and multiplication problem in context.	SMMA_LO_01592
		Solve a one-step equation (fractions, addition and subtraction).	SMMA_LO_01868

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		Multiplication and Division Targeted Lesson 35: Interpreting Remainders	
MA.5.AR.1.2	Solve real-world problems involving the addition, subtraction or multiplication of fractions, including mixed numbers and fractions greater than 1.	Use a model and an equation to solve word problems involving the addition of fractions with like denominators.	SMMA_LO_02004
		Solve a two-step equation (fractions, multiplication).	SMMA_LO_01850
		Add and subtract mixed numbers to help a botanist compare the growth rates of plants in an experiment.	SMMA_LO_02504
		Solve one-step equations (addition and subtraction, fractions).	SMMA_LO_01796
		Add two fractional parts of whole numbers in context.	SMMA_LO_01640
		Use a model and an equation to solve word problems involving the subtraction of fractions with like denominators.	SMMA_LO_02016
		Add two fractional parts of whole numbers in context.	SMMA_LO_01640
		Find the fractional part of a recipe (multiply a fraction and a mixed number).	SMMA_LO_00835
		Determine the sale price of an item when the price is reduced by one-half, one-third, or one-fourth.	SMMA_LO_01285
		Solve a one-step equation (fractions, multiplication and division).	SMMA_LO_01847
		Model the multiplication of two fractions; complete an equation to show the product; interpret a real-world context that can be modeled by this equation.	SMMA_LO_02054
		Solve a one-step equation (fractions, addition and subtraction).	SMMA_LO_01868
		Fractions and Decimals Targeted Lesson 16: Subtracting Fractions with Like Denominators	
		Fractions and Decimals Targeted Lesson 17: Adding and Subtracting Fractions with Unlike Denominators	

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		Fractions and Decimals Targeted Lesson 16: Subtracting Fractions with Like Denominators	
		Fractions and Decimals Targeted Lesson 25: Fraction Operations Word Problems	
MA.5.AR.1.3	Solve real-world problems involving division of a unit fraction by a whole number and a whole number by a unit fraction.	Use models to solve real-world problems involving division of whole numbers by unit fractions.	SMMA_LO_02053
		Divide a whole number by a fraction.	SMMA_LO_00492
		Model the division of a unit fraction by a nonzero whole number, and compute the quotient.	SMMA_LO_02052
		Use models to solve real-world problems involving division of unit fractions by nonzero whole numbers.	SMMA_LO_02156
		Divide a fraction by a whole number; simplify if necessary.	SMMA_LO_00489
		Divide a whole number by a fraction; simplify if necessary.	SMMA_LO_01787
		Fractions and Decimals Targeted Lesson 23: Dividing Unit Fractions	
		Fractions and Decimals Targeted Lesson 24: Dividing by Unit Fractions	
MA.5.AR.2	Demonstrate an understanding of equality, the order of operations and equivalent numerical expressions.	Identify $a \times (b - c)$ as equivalent to $(a \times b) - (a \times c)$ with variables.	SMMA_LO_01533
		Identify $-a - b$ as equivalent to $-a + (-b)$ (minuends -20 to -1).	SMMA_LO_01515
		Identify $-(a - b)$ as equivalent to $-a + b$ with variables.	SMMA_LO_01529
		Identify $-a - (-b)$ as equivalent to $-a + b$ (minuends and subtrahends -9 to 9).	SMMA_LO_01521
		Apply the properties of operations to generate equivalent expressions.	SMMA_LO_02059
		Identify $-(a - b)$ as equivalent to $-a + b$ (a and b from 1 to 9).	SMMA_LO_01523
		Identify an equivalent expression for $a \times (b + c)$ with variables.	SMMA_LO_00129

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		Identify $-(-a - b)$ as equivalent to $a + b$ with variables.	SMMA_LO_01530
		Identify $-(a + b)$ as equivalent to $-a + (-b)$, where a and b are 1 to 9.	SMMA_LO_00115
		Identify $-(a + b)$ as equivalent to $-a - b$, where a and b are 1 to 9.	SMMA_LO_00116
		Identify an equivalent expression with integers (four one-digit addends).	SMMA_LO_00117
		Identify $-(-a - b)$ as equivalent to $a + b$ (a and b from 1 to 9).	SMMA_LO_01524
		Identify a number not equivalent to four others.	SMMA_LO_01116
		Identify $a \times (b - c)$ as equivalent to $(a \times b) - (a \times c)$.	SMMA_LO_00130
		Identify $-(a + b)$ as equivalent to $-a - b$, where a and b are 1 to 9.	SMMA_LO_00118
		Identify $a \times (b - c)$ as equivalent to $(a \times b) - (a \times c)$.	SMMA_LO_01534
		Identify an equivalent expression of commutativity for addition of integers.	SMMA_LO_00114
		Choose all expressions that are equivalent to a given expression.	SMMA_LO_02060
		Identify an equivalent variable expression $-(-a + b) = -a + (-b)$.	SMMA_LO_00124
		Identify $a - (-b)$ as equivalent to $a + b$ (minuends 1 to 10).	SMMA_LO_01517
		Ratios and Equations Targeted Lesson 19: Parentheses and Order of Operations	
		Ratios and Equations Targeted Lesson 24: Equivalent Expressions	
MA.5.AR.2.1	Translate written real-world and mathematical descriptions into numerical expressions and numerical expressions into written mathematical descriptions.	Translate an expression into a written phrase (two-step).	SMMA_LO_01816
		Identify the written phrase that is a translation of an expression or inequality.	SMMA_LO_01815
		Identify the expression that is a translation of a written phrase.	SMMA_LO_02167
		Ratios and Equations Targeted Lesson 21: Reading and Writing Algebraic Expressions	

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MA.5.AR.2.3	Determine and explain whether an equation involving any of the four operations is true or false.	Determine if equations involving addition and subtraction are true or false.	SMMA_LO_02024
MA.5.AR.2.4	Given a mathematical or real-world context, write an equation involving any of the four operations to determine the unknown whole number with the unknown in any position.	Use a model and an equation to solve word problems involving the addition of fractions with like denominators.	SMMA_LO_02004
		Identify an expression that can be used to solve a problem (inverse operations).	SMMA_LO_01275
		Identify the expression that represents a division problem in context; then solve the problem (dividends 12 to 81).	SMMA_LO_01605
		Use a model and an equation to solve word problems involving the subtraction of fractions with like denominators.	SMMA_LO_02016
		Identify related multiplication and division number sentences that can be used to solve a problem.	SMMA_LO_01080
		Identify a number sentence that could be used to solve a multiplication problem.	SMMA_LO_01270
		Ratios and Equations Targeted Lesson 27: Writing and Solving Equations from Situations	
MA.5.AR.3	Analyze patterns and relationships between inputs and outputs.	Determine the output of one-function machine, given an input and sample inputs and outputs (combinations 2×2 to 9×9).	SMMA_LO_00358
		Complete an input/output table and identify the algebraic equation that describes the one-step rule.	SMMA_LO_01806
		Generate a table of values given a two-step rule.	SMMA_LO_01756
		Complete an input/output table and identify the algebraic equation that describes the two-step rule.	SMMA_LO_01807
		Complete a table given a two-step rule (whole numbers).	SMMA_LO_01751
		Complete an input/output table given a two-step rule; then plot the ordered pairs on coordinate grid.	SMMA_LO_01758

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		Complete an input/output table given a one-step rule; then plot the ordered pairs on a coordinate grid.	SMMA_LO_01757
		Identify the one-step rule in the relation or function (addition and subtraction).	SMMA_LO_01722
		Identify the multiplication or division rule of the function.	SMMA_LO_01684
		Generate a table of values given a one-step rule.	SMMA_LO_01755
		Complete a table given a two-step rule (single-digit whole numbers).	SMMA_LO_01750
		Make a table and a graph when given a rule in the form $y = ax$ or $y = x + a$.	SMMA_LO_02139
		Identify the addition or subtraction rule of the function.	SMMA_LO_01682
MA.5.AR.3.1	Given a numerical pattern, identify and write a rule that can describe the pattern as an expression.	Complete an input/output table and identify the algebraic equation that describes the one-step rule.	SMMA_LO_01806
		Complete an input/output table and identify the algebraic equation that describes the two-step rule.	SMMA_LO_01807
		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_01654
		Describe the relationship between two sets of numbers in a relation or function using multiplication (factors 2 - 5).	SMMA_LO_01655
		Describe the relationship between two sets of numbers in a relation or function using multiplication, addition, or subtraction.	SMMA_LO_01653
		Identify the one-step rule in the relation or function (multiplication and division).	SMMA_LO_01723
		Identify the rule for an iterative pattern.	SMMA_LO_01840
		Identify the one-step rule in the relation or function (addition and subtraction).	SMMA_LO_01722
		Identify the multiplication or division rule of the function.	SMMA_LO_01684

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		Identify an expression to describe the pattern generated by a table.	SMMA_LO_01742
		Generate a table of values given a rule.	SMMA_LO_01724
		Identify a two-step expression to describe the pattern generated by a table (input = 100).	SMMA_LO_01752
		Identify a two-step expression to describe the pattern generated by a table (input = 1000).	SMMA_LO_01753
		Identify the addition or subtraction rule of the function.	SMMA_LO_01682
		Ratios and Equations Targeted Lesson 30: What's My Rule?	
MA.5.AR.3.2	Given a rule for a numerical pattern, use a two-column table to record the inputs and outputs.	Determine the output of one-function machine, given an input and sample inputs and outputs (combinations 2×2 to 9×9).	SMMA_LO_00358
		Complete an input/output table and identify the algebraic equation that describes the one-step rule.	SMMA_LO_01806
		Generate a table of values given a two-step rule.	SMMA_LO_01756
		Complete an input/output table and identify the algebraic equation that describes the two-step rule.	SMMA_LO_01807
		Complete a table given a two-step rule (whole numbers).	SMMA_LO_01751
		Complete an input/output table given a two-step rule; then plot the ordered pairs on coordinate grid.	SMMA_LO_01758
		Complete an input/output table given a one-step rule; then plot the ordered pairs on a coordinate grid.	SMMA_LO_01757
		Generate a table of values given a one-step rule.	SMMA_LO_01755
		Complete a table given a two-step rule (single-digit whole numbers).	SMMA_LO_01750
		Make a table and a graph when given a rule in the form $y = ax$ or $y = x + a$.	SMMA_LO_02139

Florida B.E.S.T. Standards' Codes	Florida B.E.S.T. Standards for Mathematics Grade 5	SuccessMaker Item Descriptions	Item IDs
MA.5.M	Measurement		
MA.5.M.1	Convert measurement units to solve multi-step problems.		
MA.5.M.1.1	Solve multi-step real-world problems that involve converting measurement units to equivalent measurements within a single system of measurement.	Convert linear measurements to the same unit in order to fill orders for solar panels.	SMMA_LO_02505
		Convert between customary units of weight (ounces and pounds).	SMMA_LO_00797
		Convert metric units of length (mm, cm, m, and km; whole numbers).	SMMA_LO_00814
		Convert customary units of length (inches, feet, and yards).	SMMA_LO_00791
		Convert units of time (seconds, minutes, hours, days, weeks, months, and years).	SMMA_LO_00837
		Convert customary units of capacity (cups, pints, quarts, and gallons).	SMMA_LO_00796
		Convert measurement units either by making a table or by multiplying by a unit rate.	SMMA_LO_02117
		Express yards and feet as an equivalent number of feet, or feet and inches as an equivalent number of inches.	SMMA_LO_00166
MA.5.M.2	Solve problems involving money.		
MA.5.M.2.1	Solve multi-step real-world problems involving money using decimal notation.	Make a picture to solve a multiplication problem involving total cost (2 to 5 items, 5, 10, or 15 cents each).	SMMA_LO_01584
		Solve a problem in context that involves adding three amounts expressed as dollars and cents.	SMMA_LO_01608
		Find the unit price of an item (products 2×6 to 25×32).	SMMA_LO_00830
		Find a percent of a money amount (\$0.80 to \$10.80).	SMMA_LO_00270
		Solve a division problem about money with extra information (round quotient to the nearest whole number).	SMMA_LO_01585
		Identify the most reasonable answer to a multiplication problem involving money.	SMMA_LO_01278
		Determine the number of dollar bills needed to buy three to five items).	SMMA_LO_01623

Florida B.E.S.T. Standards' Codes	Florida B.E.S.T. Standards for Mathematics Grade 5	SuccessMaker Item Descriptions	Item IDs
		Calculate, compare, and use units rates to find the best prices for bakery ingredients.	SMMA_LO_02510
		Estimate the total cost of four items by rounding to the nearest dollar (sums to \$15.00).	SMMA_LO_01591
		Estimate the sum or difference in a money problem by rounding to the nearest 10 (two-digit sums and differences).	SMMA_LO_01580
		Identify the most reasonable answer to a division problem involving money.	SMMA_LO_01279
		Find the total cost, given an amount and the sales tax percentage.	SMMA_LO_00178
		Solve an addition problem by finding the total cost of two items (prices expressed as decimals, total < \$0.50, no regrouping).	SMMA_LO_00181
		Determine the sale price of an item when the price is reduced by one-half, one-third, or one-fourth.	SMMA_LO_01285
		Find total earnings for two to four weeks given the weekly salary, commission percentage, and total sales (whole number percents).	SMMA_LO_01637
		Identify a correct expression to solve a problem about sales tax.	SMMA_LO_00845
		Estimate the difference by rounding to the nearest dollar (minuends \$5.00 to \$20.00, subtrahends \$3.00 to \$15.00).	SMMA_LO_01669
MA.5.GR	Geometric Reasoning		
MA.5.GR.1	Classify two-dimensional figures and three-dimensional figures based on defining attributes.	Identify the quadrilaterals in a set of figures.	SMMA_LO_00615
		Identify the figure that is not of a given type (rectangle or triangle).	SMMA_LO_00571
		Classify geometric figures by a shape attribute.	SMMA_LO_00576
		Classify and sort three-dimensional solids based on attributes using formal geometric language.	SMMA_LO_02138
		Classify and sort 2D geometric figures by properties and attributes.	SMMA_LO_01728

Florida B.E.S.T. Standards' Codes	Florida B.E.S.T. Standards for Mathematics Grade 5	SuccessMaker Item Descriptions	Item IDs
MA.5.GR.1.1	Classify triangles or quadrilaterals into different categories based on shared defining attributes. Explain why a triangle or quadrilateral would or would not belong to a category.	Identify all triangles of a particular class (acute, right, or obtuse).	SMMA_LO_01774
		Identify acute, obtuse, and right triangles.	SMMA_LO_00655
		Identify the true statement about a relationship among quadrilaterals.	SMMA_LO_00656
		Identify equilateral, isosceles, and scalene triangles.	SMMA_LO_00658
MA.5.GR.1.2	Identify and classify three-dimensional figures into categories based on their defining attributes. Figures are limited to right pyramids, right prisms, right circular cylinders, right circular cones and spheres.	Identify geometric solids (cones, cubes, cylinders, pyramids, rectangular prisms, spheres).	SMMA_LO_00622
		Identify a geometric solid (cylinder, pyramid, or rectangular prism).	SMMA_LO_00616
		Classify and sort three-dimensional solids based on attributes using formal geometric language.	SMMA_LO_02138
		Identify geometric solids (prisms, pyramids, cones, or spheres).	SMMA_LO_00667
MA.5.GR.2	Find the perimeter and area of rectangles with fractional or decimal side lengths.	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.	SMMA_LO_02049
		Given the length of one side of a rectangle, measure another side, and then find the perimeter.	SMMA_LO_00788
		Count squares and half squares to find the area of a figure in square centimeters.	SMMA_LO_00783
		Find the area of a rectangle by tiling it; complete an equation to show that the area is the same as would be found by multiplying the side lengths.	SMMA_LO_02029
		Multiply mixed numbers to determine the area of a rectangle or triangle; simplify if necessary.	SMMA_LO_00508

Florida B.E.S.T. Standards' Codes	Florida B.E.S.T. Standards for Mathematics Grade 5	SuccessMaker Item Descriptions	Item IDs
		Tile a rectangle to find its area; represent the area of the rectangle in two different ways (length times width and the sum of the areas of two smaller rectangles).	SMMA_LO_02031
		Find the area of a plane figure made up of square units and halves of square units.	SMMA_LO_02028
MA.5.GR.2.1	Find the perimeter and area of a rectangle with fractional or decimal side lengths using visual models and formulas.	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.	SMMA_LO_02049
		Count squares and half squares to find the area of a figure in square centimeters.	SMMA_LO_00783
		Find the area of a plane figure made up of square units and halves of square units.	SMMA_LO_02028
		Fractions and Decimals Targeted Lesson 22: Multiplying Fractions	
MA.5.GR.3	Solve problems involving the volume of right rectangular prisms.		
MA.5.GR.3.1	Explore volume as an attribute of three-dimensional figures by packing them with unit cubes without gaps. Find the volume of a right rectangular prism with whole-number side lengths by counting unit cubes.	Find the volume of a rectangular solid by counting cubes.	SMMA_LO_00829
		Find the volume of a prism by packing the prism with unit cubes.	SMMA_LO_02042
		Find the volume of a rectangular solid by counting cubes.	SMMA_LO_00833
MA.5.GR.3.2	Find the volume of a right rectangular prism with whole-number side lengths using a visual model and a formula.	Solve for a variable in the formula for volume of a rectangular prism (whole numbers and mixed numbers).	SMMA_LO_01817
		Compute the volume of right rectangular prisms using formulas.	SMMA_LO_02043
		Determine the volume of a box given the height, width, and length (60 to 480 customary or metric cubic units).	SMMA_LO_00174

Florida B.E.S.T. Standards' Codes	Florida B.E.S.T. Standards for Mathematics Grade 5	SuccessMaker Item Descriptions	Item IDs
		Find the volume of concrete needed to build a life-size model of Stonehenge.	SMMA_LO_02508
		Find the volume of a right rectangular prism with fractional edge lengths.	SMMA_LO_02169
MA.5.GR.3.3	Solve real-world problems involving the volume of right rectangular prisms, including problems with an unknown edge length, with whole-number edge lengths using a visual model or a formula. Write an equation with a variable for the unknown to represent the problem.	Find the volume of a rectangular solid by counting cubes.	SMMA_LO_00829
		Solve for a variable in the formula for volume of a rectangular prism (whole numbers and mixed numbers).	SMMA_LO_01817
		Find the volume of a prism by packing the prism with unit cubes.	SMMA_LO_02042
		Compute the volume of right rectangular prisms using formulas.	SMMA_LO_02043
		Determine the volume of a box given the height, width, and length (60 to 480 customary or metric cubic units).	SMMA_LO_00174
		Find the volume of a rectangular solid by counting cubes.	SMMA_LO_00833
		Find the volume of concrete needed to build a life-size model of Stonehenge.	SMMA_LO_02508
		Find the volume of a rectangular or triangular prism.	SMMA_LO_00838
		Find the volume of a right rectangular prism with fractional edge lengths.	SMMA_LO_02169
MA.5.GR.4	Plot points and represent problems on the coordinate plane.	Given a coordinate grid to represent outcomes of tossing a pair of number cubes, identify the point that represents a given pair of outcomes.	SMMA_LO_01218
		Given a coordinate grid to represent outcomes of tossing a pair of number cubes, identify all points that represent the sum given for a pair of outcomes.	SMMA_LO_01219

Florida B.E.S.T. Standards' Codes	Florida B.E.S.T. Standards for Mathematics Grade 5	SuccessMaker Item Descriptions	Item IDs
MA.5.GR.4.1	Identify the origin and axes in the coordinate system. Plot and label ordered pairs in the first quadrant of the coordinate plane.	Graph a set of ordered pairs from a table on a coordinate plane (Quadrant I).	SMMA_LO_01809
		Graph a point on a coordinate grid (Quadrant I).	SMMA_LO_01735
		Graph a set of ordered pairs from a table on a coordinate plane (Quadrant I).	SMMA_LO_01808
		Ratios and Equations Targeted Lesson 29: Coordinates	
		Ratios and Equations Targeted Lesson 30: What's My Rule?	
MA.5.GR.4.2	Represent mathematical and real-world problems by plotting points in the first quadrant of the coordinate plane and interpret coordinate values of points in the context of the situation.	Given a coordinate grid to represent outcomes of tossing a pair of number cubes, identify the point that represents a given pair of outcomes.	SMMA_LO_01218
		Graph a set of ordered pairs from a table on a coordinate plane (Quadrant I).	SMMA_LO_01808
		Given a coordinate grid to represent outcomes of tossing a pair of number cubes, identify all points that represent the sum given for a pair of outcomes.	SMMA_LO_01219
MA.5.DP	Data Analysis and Probability		
MA.5.DP.1	Collect, represent and interpret data and find the mean, mode, median or range of a data set.	Determine a student's grade point average based on five grades.	SMMA_LO_00179
		Determine the mode of a data set.	SMMA_LO_01719
		Read and interpret a line plot.	SMMA_LO_01764
		Identify data sets that match the data represented in a given box-and-whiskers plot.	SMMA_LO_01202
		Identify two numbers within a range (1 to 9), number line in feedback.	SMMA_LO_00963
		Determine the average (mean), median, mode, and range.	SMMA_LO_01210
		Read and interpret data in a table to determine the wind chill temperature.	SMMA_LO_01314
		Identify the median of a data set with an even number of items and the two middle values are not equal.	SMMA_LO_01170

Florida B.E.S.T. Standards' Codes	Florida B.E.S.T. Standards for Mathematics Grade 5	SuccessMaker Item Descriptions	Item IDs
		Find the average (mean) of 3 numbers.	SMMA_LO_00151
		Solve a problem in context by finding the average (mean) of three to seven numbers.	SMMA_LO_01619
		Read and interpret a line graph.	SMMA_LO_01206
		Determine the mean of a data set.	SMMA_LO_01727
		Determine the median of a data set.	SMMA_LO_01726
		Determine the range of a set of data represented in a line graph.	SMMA_LO_01176
		Given a chart of tree growth, infer which of two years there was more rainfall.	SMMA_LO_01305
		Read and interpret data in a table to determine the time it would take for skin to freeze.	SMMA_LO_01315
		Determine the range of a set of data.	SMMA_LO_01766
		Predict the effect of changing temperatures on the weather.	SMMA_LO_01312
		Determine the median of a set of data.	SMMA_LO_01768
		Identify box-and whiskers plot that matches a given set of data.	SMMA_LO_01201
		Identify all the towns with temperatures below 32 degrees Fahrenheit on a weather map.	SMMA_LO_01311
		Find the range of a set of data.	SMMA_LO_01166
		Identify the most frequent value (mode) using a line plot.	SMMA_LO_01164
		Identify the median of a data set with an even number of items and the two middle values are equal.	SMMA_LO_01169
		Read and interpret data from a circle graph labeled with percents.	SMMA_LO_01208
		Determine the average (mean) of a data set of three to five customary weights or metric masses.	SMMA_LO_00836
		Determine the mode of a set of data.	SMMA_LO_01765
		Complete and interpret a pictograph.	SMMA_LO_01207
		Identify the median of a data set with an odd number of items.	SMMA_LO_01168

Florida B.E.S.T. Standards' Codes	Florida B.E.S.T. Standards for Mathematics Grade 5	SuccessMaker Item Descriptions	Item IDs
		Find the five values (upper and lower extremes, median, and upper and lower quartiles) from a set of data that are needed to create a box-and-whiskers plot.	SMMA_LO_01199
		Find two numbers within a range (two-digit).	SMMA_LO_00998
		Graph and interpret rainfall data in a chart.	SMMA_LO_01328
		Determine minimum, maximum, range, median, and IQR in a box plot.	SMMA_LO_02219
		Determine the mean, median, MAD, or IQR of a data set.	SMMA_LO_02173
MA.5.DP.1.1	Collect and represent numerical data, including fractional and decimal values, using tables, line graphs or line plots.	Graph and interpret rainfall data in a chart.	SMMA_LO_01328
MA.5.DP.1.2	Interpret numerical data, with whole-number values, represented with tables or line plots by determining the mean, mode, median or range.	Determine a student's grade point average based on five grades.	SMMA_LO_00179
		Determine the mode of a data set.	SMMA_LO_01719
		Determine the average (mean), median, mode, and range.	SMMA_LO_01210
		Identify the median of a data set with an even number of items and the two middle values are not equal.	SMMA_LO_01170
		Find the average (mean) of 3 numbers.	SMMA_LO_00151
		Solve a problem in context by finding the average (mean) of three to seven numbers.	SMMA_LO_01619
		Determine the mean of a data set.	SMMA_LO_01727
		Determine the median of a data set.	SMMA_LO_01726
		Determine the range of a set of data represented in a line graph.	SMMA_LO_01176
		Determine the range of a set of data.	SMMA_LO_01766
		Determine the median of a set of data.	SMMA_LO_01768
		Find the range of a set of data.	SMMA_LO_01166
		Identify the most frequent value (mode) using a line plot.	SMMA_LO_01164

Florida B.E.S.T. Standards' Codes	Florida B.E.S.T. Standards for Mathematics Grade 5	SuccessMaker Item Descriptions	Item IDs
		Determine the average (mean) of a data set of three to five customary weights or metric masses.	SMMA_LO_00836
		Determine the mode of a set of data.	SMMA_LO_01765
		Identify the median of a data set with an odd number of items.	SMMA_LO_01168
		Determine the range, mean, or median of a data set in context.	SMMA_LO_02175

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