

SAVVAS



SuccessMaker®

**Florida B.E.S.T. Standards for Mathematics 2020
Benchmarks for Excellent Student Thinking
Grade 6**

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

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	SuccessMaker Item Descriptions	Item IDs
MA.6.NSO	Number Sense and Operations		
MA.6.NSO.1	Extend knowledge of numbers to negative numbers and develop an understanding of absolute value.	Students use calculations on rational numbers to figure out the speed at which James Cameron descended into Mariana Trench.	SMMA_LO_02514
MA.6.NSO.1.1	Extend previous understanding of numbers to define rational numbers. Plot, order and compare rational numbers.	Compare two expressions using the additive inverse property.	SMMA_LO_00120
		Compare rational numbers in real-world contexts.	SMMA_LO_02109
		Ratios and Equations Targeted Lesson 4: Understanding Positive and Negative Numbers	
MA.6.NSO.1.2	Given a mathematical or real-world context, represent quantities that have opposite direction using rational numbers. Compare them on a number line and explain the meaning of zero within its context.	Find the sum of four integers when two are additive inverses (a, b, c, and d have absolute values 1 to 20).	SMMA_LO_00119
		Evaluate the expression $-(-a - b)$, where a and b have values from 1 to 9.	SMMA_LO_01532
		Describe situations that can be represented by opposite quantities.	SMMA_LO_02086
		Evaluate $-(-a + b)$, where $1 < a$, $b < 9$.	SMMA_LO_00128
		Evaluate the expression $-(a - b)$, where a and b have values from 1 to 9.	SMMA_LO_01531
		Ratios and Equations Targeted Lesson 3: Negative Numbers and Number Lines	
MA.6.NSO.1.3	Given a mathematical or real-world context, interpret the absolute value of a number as the distance from zero on a number line. Find the absolute value of rational numbers.	Find distances between points with the same first coordinate or the same second coordinate by using coordinates and absolute value.	SMMA_LO_02113
		Identify absolute value as a distance from zero on a number line.	SMMA_LO_01823
		Ratios and Equations Targeted Lesson 5: Absolute Value	

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MA.6.NSO.1.4	Solve mathematical and real-world problems involving absolute value, including the comparison of absolute value.	Compare the absolute values of positive and negative quantities in a real-world situation.	SMMA_LO_02111
		Ratios and Equations Targeted Lesson 5: Absolute Value	
MA.6.NSO.2	Add, subtract, multiply and divide positive rational numbers.	Represent addition and subtraction of rational numbers (fractions) on a number line.	SMMA_LO_02153
		Find the missing negative addend in a number sentence (sums 1 to 8).	SMMA_LO_00105
		Find the missing addend in a number sentence (missing addends -10 to 10, sums -20 to 20).	SMMA_LO_00110
		Find the missing addend in a number sentence (sums -20 to 20).	SMMA_LO_00122
		Evaluate the expression $-(-a - b)$, where a and b have values from 1 to 9.	SMMA_LO_01532
		Find the missing subtrahend in a number sentence (minuends 0 to 10, subtrahends 2 to 11, negative differences).	SMMA_LO_01509
		Evaluate $-(-a + b)$, where $1 < a$, $b < 9$.	SMMA_LO_00128
		Evaluate the expression $-(a - b)$, where a and b have values from 1 to 9.	SMMA_LO_01531
		Find the missing two-digit addend in a number sentence (sums are 0, missing addend is first).	SMMA_LO_00104
		Find the missing addend in a number sentence (three addends, -10 to 10).	SMMA_LO_00123
		Find the missing two-digit addend in a number sentence (sums are 0).	SMMA_LO_00103
		Find the missing subtrahend in a number sentence (minuends -9 to 0, differences -9 to 0).	SMMA_LO_01512
		Ratios and Equations Targeted Lesson 6: Adding Positive and Negative Numbers	
		Ratios and Equations Targeted Lesson 7: Subtracting Positive and Negative Numbers	

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		Ratios and Equations Targeted Lesson 8: Relating Addition and Subtraction of Positive and Negative Numbers	
		Ratios and Equations Targeted Lesson 10: Determining the Sign	
MA.6.NSO.2.1	Multiply and divide positive multi-digit numbers with decimals to the thousandths, including using a standard algorithm with procedural fluency.	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
		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
		Represent quotients of decimals using objects and pictorial models, including area models.	SMMA_LO_02193
		Find the missing factor and quotient in two related number sentences (products 0.2 x 2 to 0.9 x 5).	SMMA_LO_00219
		Divide a decimal by 0.1, 0.01, or 0.001.	SMMA_LO_00263
		Multiply decimals displayed horizontally (0.2 x 0.6 to 0.9 x 0.12).	SMMA_LO_00232
		Multiply decimals (to ten-thousandths x ten-thousandths).	SMMA_LO_00244

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		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
		Multiply decimals by 10, 100, or 1000.	SMMA_LO_00235
		Fractions and Decimals Targeted Lesson 27: Decimals and the Zero	
		Fractions and Decimals Targeted Lesson 35: Multiplying Decimals	
		Fractions and Decimals Targeted Lesson 36: Multiplying and Dividing Decimals	
MA.6.NSO.2.2	Extend previous understanding of multiplication and division to compute products and quotients of positive fractions by positive fractions, including mixed numbers, with procedural fluency.	Divide a mixed number by a fraction; simplify if necessary.	SMMA_LO_01789
		Divide a mixed number by a mixed number; simplify if necessary.	SMMA_LO_01790
		Multiply mixed numbers; simplify if necessary.	SMMA_LO_00501
		Multiply fractions; simplify.	SMMA_LO_00475
		Divide a fraction by a fraction; simplify if necessary.	SMMA_LO_01788
		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
		Multiply mixed numbers to determine the area of a rectangle or triangle; simplify if necessary.	SMMA_LO_00508
		Divide fractions; simplify if necessary.	SMMA_LO_00487
		Find a fractional part of a fraction.	SMMA_LO_00498
		Divide fractions; simplify.	SMMA_LO_00512
		Multiply fractions; simplify first.	SMMA_LO_00476

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		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
		Identify the equivalent expression for a fraction, whole number, or a mixed numbers being divided by a fraction, a whole number, or a mixed number.	SMMA_LO_00511
		Divide a fraction by a mixed number; simplify if necessary.	SMMA_LO_00491
		Fractions and Decimals Targeted Lesson 22: Multiplying Fractions	
MA.6.NSO.2.3	Solve multi-step real-world problems involving any of the four operations with positive multi-digit decimals or positive fractions, including mixed numbers.	Solve a two-step equation (decimals).	SMMA_LO_01851
		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
		Multiply mixed numbers to determine the area of a rectangle or triangle; simplify if necessary.	SMMA_LO_00508
		Determine the sale price of an item when the price is reduced by one-half, one-third, or one-fourth.	SMMA_LO_01285
		Solve for a variable in the formula for simple interest (whole numbers and decimals).	SMMA_LO_01805

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		Fractions and Decimals Targeted Lesson 19: Subtracting Mixed Numbers with Like Denominators	
		Fractions and Decimals Targeted Lesson 25: Fraction Operations Word Problems	
		Fractions and Decimals Targeted Lesson 37: Decimal Operations Word Problems	
MA.6.NSO.3	Apply properties of operations to rewrite numbers in equivalent forms.	Rewrite an expression from context by factoring and combining like terms.	SMMA_LO_02150
MA.6.NSO.3.1	Given a mathematical or real-world context, find the greatest common factor and least common multiple of two whole numbers.	Given the prime factorization of two numbers, find the common multiple.	SMMA_LO_01108
		Find the greatest common factor for two to three numbers.	SMMA_LO_01110
		Find the least common multiple of two or three numbers.	SMMA_LO_01112
		Ratios and Equations Targeted Lesson 1: Greatest Common Factor	
		Ratios and Equations Targeted Lesson 2: Least Common Multiple	
MA.6.NSO.3.3	Evaluate positive rational numbers and integers with natural number exponents.	Evaluate an algebraic expression with exponents (integers -10 to 10).	SMMA_LO_01818
MA.6.NSO.3.5	Rewrite positive rational numbers in different but equivalent forms including fractions, terminating decimals and percentages.	Express a percent as a fraction and simplify.	SMMA_LO_00269
		Write a ratio in three different forms.	SMMA_LO_01825
		Complete the equivalence table by expressing a fraction as a decimal number and a percent (round answer to the nearest hundredth).	SMMA_LO_01822
		Find an equivalent mixed number for a decimal (tenths to ten thousandths).	SMMA_LO_00255
		Complete the equivalence table by expressing a decimal number as a fraction and a percent.	SMMA_LO_01820

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		Express a fraction as a percent (denominator is 100).	SMMA_LO_01714
		Identify the division problem that can be used to rewrite a fraction as a decimal.	SMMA_LO_00257
		Match a decimal number to an equivalent fraction (tenths to thousandths).	SMMA_LO_00224
		Match a fraction to a decimal (tenths, 0.1 to 0.9).	SMMA_LO_00184
		Complete the equivalence table by expressing a decimal number as a fraction and a percent (round answer to the nearest hundredth).	SMMA_LO_01821
		Determine the fraction and decimal that represent a model (base-ten blocks, tenths, 0.1 to 0.9).	SMMA_LO_00185
		Determine the equivalent fraction for a decimal (the denominator is a factor of 100).	SMMA_LO_00259
		Ratios and Equations Targeted Lesson 16: Relating Percents, Decimals, and Fractions	
MA.6.NSO.4	Extend understanding of operations with integers.	Find the sum of four integers when two are additive inverses (a, b, c, and d have absolute values 1 to 20).	SMMA_LO_00119
		Subtract integers (minuends -11 to -20, subtrahends -1 to -10, negative differences).	SMMA_LO_01513
		Find the missing dividend or divisor in a number sentence (combinations 7 x 13 to 9 x 19, all signs).	SMMA_LO_00320
		Add a positive and a negative integer (one-digit addends, sums -9 to 9).	SMMA_LO_00108
		Find the missing one-digit addend in a number sentence (positive or negative integers, sums are 0).	SMMA_LO_00102
		Divide integers (combinations 6 x 10 to -9 x 12, dividend or divisor is negative).	SMMA_LO_00316
		Evaluate an algebraic expression (integers -10 to 10).	SMMA_LO_01842
		Subtract integers using a number line (differences -5 to 1).	SMMA_LO_01505

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		Determine if the sum is positive or negative (one- and two-digit addends).	SMMA_LO_00106
		Subtract integers (minuends -10 to 0, subtrahends -10 to -1).	SMMA_LO_01522
		Evaluate a numerical expression $(a) + (b) - (c)$, where a, b, and c have values from -9 to 9.	SMMA_LO_01527
		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01525
		Determine the sign of the product of four factors.	SMMA_LO_00919
		Multiply a negative integer by a positive integer (one-digit number x two-digit multiple of 10).	SMMA_LO_00917
		Add integers in an associative expression $((a + b) + c)$, three addends -10 to 10).	SMMA_LO_00113
		Add three integers (sum -10 to 10).	SMMA_LO_00111
		Multiply a negative integer by a positive integer (products -144 to -4).	SMMA_LO_00914
		Add two integers using addition facts (addends -10 to 10, sums -20 to 20).	SMMA_LO_00109
		Add two negative integers or add 0 and a negative integer (sums -20 to 0).	SMMA_LO_00107
		Subtract integers using a number line (differences -5 to 4).	SMMA_LO_01511
		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01510
		Find the final temperature given the initial temperature and the temperature increase.	SMMA_LO_01632
		Subtract integers (minuends 0 to 10, subtrahends 1 to 10, differences negative).	SMMA_LO_01506
		Divide integers (combinations 4 x 6 to 12 x 12).	SMMA_LO_00317
		Subtract integers (minuend 0, subtrahends 1 to 20).	SMMA_LO_01519
		Identify an equivalent expression with integers (four one-digit addends).	SMMA_LO_00117

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		Multiply two negative integers (products 4 to 144).	SMMA_LO_00915
		Add two integers (-20 to 20).	SMMA_LO_00121
		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01526
		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01508
		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01507
		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01520
		Represent addition of integers on a number line.	SMMA_LO_02085
		Represent subtraction of integers on a number line.	SMMA_LO_02152
		Determine the sign of the products of two integers (one and two-digit integers).	SMMA_LO_00916
		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01516
		Divide integers (combinations 6 x 13 to 9 x 19, all signs).	SMMA_LO_00319
		Multiply three integers (one-digit factors with absolute values 2 to 10).	SMMA_LO_00920
MA.6.NSO.4.1	Apply and extend previous understandings of operations with whole numbers to add and subtract integers with procedural fluency.	Find the sum of four integers when two are additive inverses (a, b, c, and d have absolute values 1 to 20).	SMMA_LO_00119
		Subtract integers (minuends -11 to -20, subtrahends -1 to -10, negative differences).	SMMA_LO_01513
		Add a positive and a negative integer (one-digit addends, sums -9 to 9).	SMMA_LO_00108
		Find the missing one-digit addend in a number sentence (positive or negative integers, sums are 0).	SMMA_LO_00102
		Evaluate an algebraic expression (integers -10 to 10).	SMMA_LO_01842
		Subtract integers using a number line (differences -5 to 1).	SMMA_LO_01505

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	SuccessMaker Item Descriptions	Item IDs
		Determine if the sum is positive or negative (one- and two-digit addends).	SMMA_LO_00106
		Subtract integers (minuends -10 to 0, subtrahends -10 to -1).	SMMA_LO_01522
		Evaluate a numerical expression $(a) + (b) - (c)$, where a, b, and c have values from -9 to 9.	SMMA_LO_01527
		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01525
		Add integers in an associative expression $((a + b) + c)$, three addends -10 to 10).	SMMA_LO_00113
		Add three integers (sum -10 to 10).	SMMA_LO_00111
		Add two integers using addition facts (addends -10 to 10, sums -20 to 20).	SMMA_LO_00109
		Add two negative integers or add 0 and a negative integer (sums -20 to 0).	SMMA_LO_00107
		Subtract integers using a number line (differences -5 to 4).	SMMA_LO_01511
		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01510
		Find the final temperature given the initial temperature and the temperature increase.	SMMA_LO_01632
		Subtract integers (minuends 0 to 10, subtrahends 1 to 10, differences negative).	SMMA_LO_01506
		Subtract integers (minuend 0, subtrahends 1 to 20).	SMMA_LO_01519
		Identify an equivalent expression with integers (four one-digit addends).	SMMA_LO_00117
		Add two integers (-20 to 20).	SMMA_LO_00121
		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01526
		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01508
		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01507

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		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01520
		Represent addition of integers on a number line.	SMMA_LO_02085
		Represent subtraction of integers on a number line.	SMMA_LO_02152
		Subtract integers (minuends 0 to 19, subtrahends 1 to 20, negative differences).	SMMA_LO_01516
MA.6.NSO.4.2	Apply and extend previous understandings of operations with whole numbers to multiply and divide integers with procedural fluency.	Find the missing dividend or divisor in a number sentence (combinations 7×13 to 9×19 , all signs).	SMMA_LO_00320
		Divide integers (combinations 6×10 to -9×12 , dividend or divisor is negative).	SMMA_LO_00316
		Evaluate an algebraic expression (integers -10 to 10).	SMMA_LO_01842
		Determine the sign of the product of four factors.	SMMA_LO_00919
		Multiply a negative integer by a positive integer (one-digit number \times two-digit multiple of 10).	SMMA_LO_00917
		Multiply a negative integer by a positive integer (products -144 to -4).	SMMA_LO_00914
		Divide integers (combinations 4×6 to 12×12).	SMMA_LO_00317
		Multiply two negative integers (products 4 to 144).	SMMA_LO_00915
		Determine the sign of the products of two integers (one and two-digit integers).	SMMA_LO_00916
		Divide integers (combinations 6×13 to 9×19 , all signs).	SMMA_LO_00319
		Multiply three integers (one-digit factors with absolute values 2 to 10).	SMMA_LO_00920

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MA.6.AR	Algebraic Reasoning		
MA.6.AR.1	Apply previous understanding of arithmetic expressions to algebraic expressions.	Evaluate an algebraic expression with three variables (-5.9 to 5.9).	SMMA_LO_01843
		Ratios and Equations Targeted Lesson 20: Algebraic Expressions	
MA.6.AR.1.1	Given a mathematical or real-world context, translate written descriptions into algebraic expressions and translate algebraic expressions into written descriptions.	Write an expression to represent a real-world problem, using variables to represent numbers.	SMMA_LO_02062
		Identify the expression that is a translation of the written phrase.	SMMA_LO_01759
		Translate an expression into a written phrase (two-step).	SMMA_LO_01816
		Rewrite an expression from context by factoring and combining like terms.	SMMA_LO_02150
		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	
MA.6.AR.1.2	Translate a real-world written description into an algebraic inequality in the form of $x > a$, $x < a$, $x \geq a$ or $x \leq a$. Represent the inequality on a number line.	Write an inequality of the form $px + q > r$ or $px + q < r$ to represent a constraint in a real-world problem.	SMMA_LO_02083
		Represent solutions for one-variable, one-step equations and inequalities on a number line.	SMMA_LO_00357
		Write an inequality of the form $x > c$ or $x < c$ to represent a constraint in a real-world problem. Then represent the solution on a number line.	SMMA_LO_02065
		Solve an inequality of the form $px + q > r$ or $px + q < r$; then graph the solution on a number line.	SMMA_LO_02084
		Write an inequality of the form $x > c$ or $x < c$ to represent a constraint in a real-world problem.	SMMA_LO_02064

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		Write and use inequalities to decide whether vegetables in a processing plant meet quality standards	SMMA_LO_02511
MA.6.AR.1.3	Evaluate algebraic expressions using substitution and order of operations.	Evaluate an expression within a context (multiplication).	SMMA_LO_01740
		Evaluate an algebraic expression (integers -10 to 10).	SMMA_LO_01842
		Given the value for the variable, evaluate an addition expression (sums 4 to 12).	SMMA_LO_01683
		Use data from a bar graph and equations that represent the situation to find how many snacks are needed for Fitness Day	SMMA_LO_02500
		Evaluate an algebraic expression with exponents (integers -10 to 10).	SMMA_LO_01818
		Evaluate the expression $mx + c$ or $mx - c$.	SMMA_LO_01739
		Evaluate an expression using the order of operations.	SMMA_LO_01091
		Evaluate an algebraic expression with three variables (-5.9 to 5.9).	SMMA_LO_01843
		Evaluate an expression with variables using substitution and a value chart (addition, sums to 18).	SMMA_LO_01685
		Ratios and Equations Targeted Lesson 19: Parentheses and Order of Operations	
		Ratios and Equations Targeted Lesson 22: Evaluating Algebraic Expressions	
		Ratios and Equations Targeted Lesson 24: Equivalent Expressions	
MA.6.AR.1.4	Apply the properties of operations to generate equivalent algebraic expressions with integer coefficients.	Evaluate an algebraic expression with exponents (integers -10 to 10).	SMMA_LO_01818

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MA.6.AR.2	Develop an understanding for solving equations and inequalities. Write and solve one-step equations in one variable.	Solve for a or b in $a \div b = c$ (combinations $2 \div 10$ to $5 \div 12$).	SMMA_LO_00359
		Solve for x in $ax = b$ (products from $-(4 \times 4)$ to $-(9 \times 9)$).	SMMA_LO_00390
		Solve for a or b in $a \times b = x$ (products 2×20 to 12×90 , multiples of 10).	SMMA_LO_00366
		Solve for a in $ba/c = d$ by multiplying by the reciprocal.	SMMA_LO_01795
		Solve for a or b in $a + b = c$ (sums 12 to 98).	SMMA_LO_00341
		Solve for a or b in $a \div b = c$ (combinations $0.6 \div 0.6$ to $0.9 \div 0.9$).	SMMA_LO_00370
		Complete the steps to solve for a in $a \div b = c$ (combinations 4×4 to 9×10).	SMMA_LO_00381
		Solve for a or b in $a \times b = x$ (products 2×10 to 12×12).	SMMA_LO_00363
		Solve for a or b in $a - b = c$ (differences 0 to 18).	SMMA_LO_00333
		Solve for a or b in $a \times b = c$ (products from 0.02×0.13 to 0.09×0.19).	SMMA_LO_00376
		Solve for x in $-x = a$ (numbers from -99 to 99).	SMMA_LO_00395
		Solve for c in $a - b = c$ (differences 1 to 9).	SMMA_LO_00329
		Solve for a in $ba/c = d$ by multiplying by the reciprocal.	SMMA_LO_00382
		Solve for a variable in the formula for simple interest (whole numbers and decimals).	SMMA_LO_01805
		Solve for c in $a - b = c$ (minuends 20 to 99, two-digit subtrahends, no regrouping).	SMMA_LO_00340
		Solve for a or b in $a + b = c$ (decimals to hundredths).	SMMA_LO_00373
MA.6.AR.2.1	Given an equation or inequality and a specified set of integer values, determine which values make the equation or inequality true or false.	Identify two numbers that make an inequality true (two-digit).	SMMA_LO_00997
		Identify two numbers that make an inequality true (0 to 9).	SMMA_LO_00994
		Determine whether a given value for x is a solution for $ax + b = c$ (x is from -9 to 9).	SMMA_LO_00397

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		Use substitution to determine whether a given number in a specified set makes an equation or inequality true.	SMMA_LO_02061
		Determine whether the given values for x and y satisfy $y = ax + b$.	SMMA_LO_00398
MA.6.AR.2.2	Write and solve one-step equations in one variable within a mathematical or real-world context using addition and subtraction, where all terms and solutions are integers.	Solve for a or b in $a \div b = c$ (combinations $2 \div 10$ to $5 \div 12$).	SMMA_LO_00359
		Solve for x in $ax = b$ (products from $-(4 \times 4)$ to $-(9 \times 9)$).	SMMA_LO_00390
		Solve for a or b in $a \times b = x$ (products 2×20 to 12×90 , multiples of 10).	SMMA_LO_00366
		Solve for a or b in $a - b = c$ (minuends 20 to 99, no regrouping).	SMMA_LO_00343
		Solve for a or b in $a - b = c$ (decimals to hundredths, regrouping).	SMMA_LO_00374
		Solve for a or b in $a - b = c$ (decimals to tenths, regrouping).	SMMA_LO_00368
		Solve for a, b, c, or d in $a/b \div c/d = e/f$.	SMMA_LO_00377
		Solve for a or b in $a \div b = c$ (up to 4-digit decimals).	SMMA_LO_00378
		Solve for a or b in $a \div b = c$.	SMMA_LO_00352
		Solve for a in $a + b = c$ or $a - b = c$ in steps (whole number sums and differences 2 to 20).	SMMA_LO_00379
		Solve for c in $a - b = c$ (minuends 20 to 99, regrouping).	SMMA_LO_00342
		Identify the missing variable of addition or subtraction equations (sums 10 to 50, minuends 10 to 50).	SMMA_LO_01687
		Solve for a in $a/b = c$.	SMMA_LO_01798
		Solve for a or b in $a \times b = c$ (products from 0.2×0.6 to 0.9×0.9).	SMMA_LO_00369
		Solve for a variable in the formula for volume of a rectangular prism (whole numbers and mixed numbers).	SMMA_LO_01817

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	SuccessMaker Item Descriptions	Item IDs
		Solve for a or b in $a + b = c$ (sums 10 to 18).	SMMA_LO_00332
		Solve for a or b in $a + b = c$ (sums 0 to 9).	SMMA_LO_00330
		Solve for a or b in $a + b = c$ (sums 101 to 199, no regrouping).	SMMA_LO_00345
		Solve for a or b in $a \times b = c$ (products 1×2 to 5×9).	SMMA_LO_00351
		Solve for a or b in $a + b = c$ (sums 10 to 108).	SMMA_LO_00336
		Solve for a in $ba/c = d$ by multiplying by the reciprocal.	SMMA_LO_01795
		Solve for a or b in $a + b = c$ (sums 12 to 98).	SMMA_LO_00341
		Solve for a or b in $a \div b = c$ (combinations $0.6 \div 0.6$ to $0.9 \div 0.9$).	SMMA_LO_00370
		Solve for a or b in $a \times b = c$ (products 6×2 to 9×12).	SMMA_LO_00357
		Solve for c in $a - b = c$ (minuends 20 to 99, subtrahends 1 to 9, no regrouping).	SMMA_LO_00338
		Solve for a in $a - b = c$ (differences from -19 to 11).	SMMA_LO_00389
		Solve for a or b in $a - b = c$ (differences 0 to 9).	SMMA_LO_00331
		Complete the steps to solve for a in $a \div b = c$ (combinations 4×4 to 9×10).	SMMA_LO_00381
		Solve for a or b in $a \times b = x$ (products 2×10 to 12×12).	SMMA_LO_00363
		Solve for a or b in $a - b = c$ (differences 0 to 18).	SMMA_LO_00333
		Solve for a or b in $a \times b = c$ (products from 0.02×0.13 to 0.09×0.19).	SMMA_LO_00376
		Complete the steps to solve for x in $a - x = b$.	SMMA_LO_00396
		Solve for x in $ax = c$ in steps (products 4×4 to 9×10).	SMMA_LO_00380
		Solve for c in $a - b = c$ (differences 1 to 9).	SMMA_LO_00324
		Solve for a or b in $a - b = c$ (minuends 21 to 99, subtrahends 1 to 9, no regrouping).	SMMA_LO_00347
		Solve for a or b in $a \div b = c$ (combinations $6 \div 10$ to $9 \div 12$).	SMMA_LO_00361

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	SuccessMaker Item Descriptions	Item IDs
		Solve for a in $a/b = c$ (products from $-(4 \times 4)$ to $-(9 \times 9)$).	SMMA_LO_00391
		Solve for a in $a + b = c$ (a is from -20 to -1).	SMMA_LO_00388
		Solve for x in $-x = a$ (numbers from -99 to 99).	SMMA_LO_00395
		Solve for c in $a - b = c$ (differences 1 to 9).	SMMA_LO_00329
		Solve for a in $ba/c = d$ by multiplying by the reciprocal.	SMMA_LO_00382
		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
		Solve for a or b in $a \div b = c$.	SMMA_LO_00354
		Solve for a or b in $a + b = c$ (decimals to tenths, no regrouping).	SMMA_LO_00367
		Solve for a, b, or c in $a + b + c = d$ (sums 10 to 19).	SMMA_LO_00335
		Generate and solve an equation with variables on both sides of the equal sign in a real-world context.	SMMA_LO_02145
		Solve for a or b in $a \div b = c$ (combinations $6 \div 20$ to $9 \div 90$, multiples of 10).	SMMA_LO_00365
		Solve for a variable in the formula for simple interest (whole numbers and decimals).	SMMA_LO_01805
		Solve for c in $a - b = c$ (minuends 20 to 99, two-digit subtrahends, no regrouping).	SMMA_LO_00340
		Solve for a or b in $a + b = c$ (decimals to hundredths).	SMMA_LO_00373

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	SuccessMaker Item Descriptions	Item IDs
MA.6.AR.2.3	Write and solve one-step equations in one variable within a mathematical or real-world context using multiplication and division, where all terms and solutions are integers.	Solve for a or b in $a \div b = c$ (combinations $2 \div 10$ to $5 \div 12$).	SMMA_LO_00359
		Solve for x in $ax = b$ (products from $-(4 \times 4)$ to $-(9 \times 9)$).	SMMA_LO_00390
		Solve for a or b in $a \times b = x$ (products 2×20 to 12×90 , multiples of 10).	SMMA_LO_00366
		Solve for a, b, c, or d in $a/b \div c/d = e/f$.	SMMA_LO_00377
		Solve a two-step equation (fractions, multiplication).	SMMA_LO_01850
		Solve for a or b in $a \div b = c$ (up to 4-digit decimals).	SMMA_LO_00378
		Solve for a or b in $a \div b = c$.	SMMA_LO_00352
		Solve for a, b, or c in $a \div b/c = d/e$ (combinations to $12 \div 12$).	SMMA_LO_00371
		Solve for a in $a/b = c$.	SMMA_LO_01798
		Represent solutions for one-variable, one-step equations and inequalities on a number line.	SMMA_LO_00357
		Solve for a or b in $a \times b = c$ (products from 0.2×0.6 to 0.9×0.9).	SMMA_LO_00369
		Solve for a or b in $a \times b = c$ (products 1×2 to 5×9).	SMMA_LO_00351
		Solve a one-step equation (multiplication, decimals).	SMMA_LO_01797
		Solve for a in $ba/c = d$ by multiplying by the reciprocal.	SMMA_LO_01795
		Solve for a or b in $a \div b = c$ (combinations $0.6 \div 0.6$ to $0.9 \div 0.9$).	SMMA_LO_00370
		Solve for a or b in $a \times b = c$ (products 6×2 to 9×12).	SMMA_LO_00357
		Solve a one-step equation (multiplication).	SMMA_LO_01690
		Complete the steps to solve for a in $a \div b = c$ (combinations 4×4 to 9×10).	SMMA_LO_00381
		Solve for a or b in $a \times b = x$ (products 2×10 to 12×12).	SMMA_LO_00363
		Solve a one-step equation in context (division, two-digit whole numbers).	SMMA_LO_01745

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	SuccessMaker Item Descriptions	Item IDs
		Solve for a or b in $a \times b = c$ (products from 0.02×0.13 to 0.09×0.19).	SMMA_LO_00376
		Solve for a, b, or c in $a/b \div c = d/e$ (combinations to $12 \div 12$).	SMMA_LO_00375
		Solve for x in $ax = c$ in steps (products 4×4 to 9×10).	SMMA_LO_00380
		Solve for a or b in $a \div b = c$ (combinations $6 \div 10$ to $9 \div 12$).	SMMA_LO_00361
		Solve for a in $a/b = c$ (products from $-(4 \times 4)$ to $-(9 \times 9)$).	SMMA_LO_00391
		Solve for a in $ba/c = d$ by multiplying by the reciprocal.	SMMA_LO_00382
		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
		Solve for a or b in $a \div b = c$.	SMMA_LO_00354
		Solve a one-step equation (fractions, multiplication and division).	SMMA_LO_01847
		Solve for a, b, c, or d in $a/b \times c/d = e/f$ (combinations to 12×12).	SMMA_LO_00372
		Solve a one-step equation (decimal integers, multiplication and division).	SMMA_LO_01849
		Solve for a or b in $a \div b = c$ (combinations $6 \div 20$ to $9 \div 90$, multiples of 10).	SMMA_LO_00365
		Solve a one-step equation (division).	SMMA_LO_01692
		Solve for a variable in the formula for simple interest (whole numbers and decimals).	SMMA_LO_01805

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	SuccessMaker Item Descriptions	Item IDs
MA.6.AR.2.4	Determine the unknown decimal or fraction in an equation involving any of the four operations, relating three numbers, with the unknown in any position.	Solve for a, b, c, or d in $a/b \div c/d = e/f$.	SMMA_LO_00377
		Solve for a, b, or c in $a \div b/c = d/e$ (combinations to $12 \div 12$).	SMMA_LO_00371
		Solve for a or c in $(a/b - c/b = d/b)$ (minuends $2/3$ to $11/12$).	SMMA_LO_00360
		Solve for a or c in $a/b + c/b = d/b$ (sums $2/3$ to $11/12$).	SMMA_LO_00356
		Solve a one-step equation (multiplication, decimals).	SMMA_LO_01797
		Solve one-step equations (addition and subtraction, fractions).	SMMA_LO_01796
		Solve for a, b, or c in $a/b \div c = d/e$ (combinations to $12 \div 12$).	SMMA_LO_00375
		Solve for a, b, c, or d in $a/b \times c/d = e/f$ (combinations to 12×12).	SMMA_LO_00372
		Solve for a or c in $a/b + c/b = d/b$ (improper fractions, sums $4/3$ to $35/12$).	SMMA_LO_00364
		Solve a one-step equation (fractions, addition and subtraction).	SMMA_LO_01848
		Solve a one-step equation with decimals in context (addition and subtraction).	SMMA_LO_01799
		Solve a one-step equation (fractions, multiplication and division).	SMMA_LO_01847
		Solve a one-step equation (fractions, addition and subtraction).	SMMA_LO_01868
		Solve a one-step equation (decimal integers, multiplication and division).	SMMA_LO_01849
MA.6.AR.3	Understand ratio and unit rate concepts and use them to solve problems.	Find the unit price of an item (products 2×6 to 25×32).	SMMA_LO_00830
		Calculate, compare, and use units rates to find the best prices for bakery ingredients.	SMMA_LO_02510
		Identify two unit rates for a given word problem.	SMMA_LO_02114
		Graph proportional relationships and interpret the unit rate as the slope of the graph.	SMMA_LO_02073

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	SuccessMaker Item Descriptions	Item IDs
		Students use calculations on rational numbers to figure out the speed at which James Cameron descended into Mariana Trench	SMMA_LO_02514
		Identify the unit rate given a table, a graph, an equation, a diagram, or a word problem.	SMMA_LO_02001
		Given the number of kilowatt-hours used and a price, find the total cost of power.	SMMA_LO_01336
		Identify the constant of proportionality given a table, a graph, an equation, a diagram, or a word problem.	SMMA_LO_02002
		Find the amount of an ingredient needed to make two, three or four times a recipe.	SMMA_LO_01627
		Students write, graph, and compare two linear functions in order to find the best price for football jerseys.	SMMA_LO_02516
		Find the number of hours worked given the hourly rate and total earned.	SMMA_LO_01625
		Ratios and Equations Targeted Lesson 14: Graphing Proportional Relationships	
MA.6.AR.3.1	Given a real-world context, write and interpret ratios to show the relative sizes of two quantities using appropriate notation: a/b , a to b , or $a : b$ where $b \neq 0$.	Express an event as a ratio of the number of favorable outcomes to the total number of outcomes (bowl containing marbles of two colors).	SMMA_LO_01179
		Identify the ratio.	SMMA_LO_01712
MA.6.AR.3.2	Given a real-world context, determine a rate for a ratio of quantities with different units. Calculate and interpret the corresponding unit rate.	Convert light years to kilometers and kilometers to light years.	SMMA_LO_01339
		Find the unit price of an item (products 2×6 to 25×32).	SMMA_LO_00830
		Calculate, compare, and use units rates to find the best prices for bakery ingredients.	SMMA_LO_02510
		Identify two unit rates for a given word problem.	SMMA_LO_02114

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	SuccessMaker Item Descriptions	Item IDs
		Students use calculations on rational numbers to figure out the speed at which James Cameron descended into Mariana Trench	SMMA_LO_02514
		Find the total money earned, given the number of hours worked and the hourly rate.	SMMA_LO_01630
		Identify the unit rate given a table, a graph, an equation, a diagram, or a word problem.	SMMA_LO_02001
		Given the number of kilowatt-hours used and a price, find the total cost of power.	SMMA_LO_01336
		Identify the constant of proportionality given a table, a graph, an equation, a diagram, or a word problem.	SMMA_LO_02002
		Find the amount of an ingredient needed to make two, three or four times a recipe.	SMMA_LO_01627
		Find the number of hours worked given the hourly rate and total earned.	SMMA_LO_01625
		Ratios and Equations Targeted Lesson 12: Rates, Formulas, and Graphs	
		Ratios and Equations Targeted Lesson 14: Graphing Proportional Relationships	
MA.6.AR.3.3	Extend previous understanding of fractions and numerical patterns to generate or complete a two- or three-column table to display equivalent part-to-part ratios and part-to-part-to-whole ratios.	Complete a comparison statement based on the ratios in two tables.	SMMA_LO_02116
		Represent paired data on a scatterplot.	SMMA_LO_02194
		Ratios and Equations Targeted Lesson 11: Writing Ratios	

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	SuccessMaker Item Descriptions	Item IDs
MA.6.AR.3.5	Solve mathematical and real-world problems involving ratios, rates and unit rates, including comparisons, mixtures, ratios of lengths and conversions within the same measurement system.	Convert light years to kilometers and kilometers to light years.	SMMA_LO_01339
		Calculate, compare, and use units rates to find the best prices for bakery ingredients.	SMMA_LO_02510
		Complete a comparison statement based on the ratios in two tables.	SMMA_LO_02116
		Represent paired data on a scatterplot.	SMMA_LO_02194
		Convert Measurement units either by making a table or by multiplying by a unit rate.	SMMA_LO_02117
		Ratios and Equations Targeted Lesson 11: Writing Ratios	
MA.6.GR	Geometric Reasoning		
MA.6.GR.1	Apply previous understanding of the coordinate plane to solve problems.	Graph points on a coordinate plane based on a real-world context.	SMMA_LO_02112
		Ratios and Equations Targeted Lesson 29: Coordinates	
MA.6.GR.1.1	Extend previous understanding of the coordinate plane to plot rational number ordered pairs in all four quadrants and on both axes. Identify the x - or y -axis as the line of reflection when two ordered pairs have an opposite x - or y -coordinate.	Given two points, describe how the points are related: reflected across the x -axis, reflected across the y -axis, or reflected across both axes.	SMMA_LO_02108
		Graph points on a coordinate plane based on a real-world context.	SMMA_LO_02112
		Ratios and Equations Targeted Lesson 29: Coordinates	
MA.6.GR.1.3	Solve mathematical and real-world problems by plotting points on a coordinate plane, including finding the perimeter or area of a rectangle.	Graph a set of ordered pairs from a table on a coordinate plane (Quadrant I).	SMMA_LO_01809
		Complete a table of values and graph the equation of a linear function.	SMMA_LO_01837
		Complete an input/output table given a two-step rule; then plot the ordered pairs on coordinate grid.	SMMA_LO_01758

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	SuccessMaker Item Descriptions	Item IDs
		Complete an input/output table given a one-step rule; then plot the ordered pairs on a coordinate grid.	SMMA_LO_01757
		Represent paired data on a scatterplot.	SMMA_LO_02194
		Graph a set of ordered pairs from a table on a coordinate plane (Quadrant I).	SMMA_LO_01808
		Graph a set of ordered pairs from a table on a coordinate plane.	SMMA_LO_01810
		Make a table and a graph when given a rule in the form $y = ax$ or $y = x + a$.	SMMA_LO_02139
		Graph points on a coordinate plane based on a real-world context.	SMMA_LO_02112
		Complete a table of values and graph the equation of a quadratic function.	SMMA_LO_01836
		Ratios and Equations Targeted Lesson 29: Coordinates	
MA.6.GR.2	Model and solve problems involving two-dimensional figures and three-dimensional figures.	Find the volume of a rectangular solid by counting cubes.	SMMA_LO_00829
		Find the area of a triangle (2 to 72 square inches).	SMMA_LO_00176
		Choose the best estimate for the volume of a rectangular prism.	SMMA_LO_00848
		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 area of a triangle using a formula.	SMMA_LO_00827
		Find the volume of a rectangular solid by counting cubes.	SMMA_LO_00833

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	SuccessMaker Item Descriptions	Item IDs
		Calculate the volume of a rectangular prism; then convert the cubic feet or cubic meters into gallons or liters.	SMMA_LO_01819
		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.6.GR.2.1	Derive a formula for the area of a right triangle using a rectangle. Apply a formula to find the area of a triangle.	Find the area of a triangle (2 to 72 square inches).	SMMA_LO_00176
		Find the combined area of two walkways and the total cost of paving stones to cover the walkway.	SMMA_LO_02501
		Find the sum of the areas of two figures (sums 3 to 8, nonstandard units).	SMMA_LO_00752
		Find the area of a rectilinear figure in a context by decomposing it into two rectangles.	SMMA_LO_02032
		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 triangle using a formula.	SMMA_LO_00827
		Decompose Shapes into triangles and rectangles to find the area.	SMMA_LO_02168
MA.6.GR.2.3	Solve mathematical and real-world problems involving the volume of right rectangular prisms with positive rational number edge lengths using a visual model and a formula.	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

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	SuccessMaker Item Descriptions	Item IDs
		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
		Calculate the volume of a rectangular prism; then convert the cubic feet or cubic meters into gallons or liters.	SMMA_LO_01819
		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.6.DP	Data Analysis and Probability		
MA.6.DP.1	Develop an understanding of statistics and determine measures of center and measures of variability. Summarize statistical distributions graphically and numerically.	Identify the measure of center that best summarizes the data in a graph.	SMMA_LO_02202
MA.6.DP.1.1	Recognize and formulate a statistical question that would generate numerical data.	Formulate questions around numerical data.	SMMA_LO_01642
MA.6.DP.1.2	Given a numerical data set within a real-world context, find and interpret mean, median, mode and range.	Determine the mode of a data set.	SMMA_LO_01719
		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
		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
		Find the range of a set of data.	SMMA_LO_01166
		Identify the most frequent value (mode) using a line plot.	SMMA_LO_01164
		Determine the mode of a set of data.	SMMA_LO_01765

Florida B.E.S.T. Standards Code	Florida B.E.S.T. Standards for Mathematics Grade 6	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
		Determine the range, mean, or median of a data set in context.	SMMA_LO_02175
		Determine minimum, maximum, range, median, and IQR in a box plot.	SMMA_LO_02219
MA.6.DP.1.3	Given a box plot within a real-world context, determine the minimum, the lower quartile, the median, the upper quartile and the maximum. Use this summary of the data to describe the spread and distribution of the data.	Find two numbers within a range (two-digit).	SMMA_LO_00998
		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
		Determine minimum, maximum, range, median, and IQR in a box plot.	SMMA_LO_02219
MA.6.DP.1.4	Given a histogram or line plot within a real-world context, qualitatively describe and interpret the spread and distribution of the data, including any symmetry, skewness, gaps, clusters, outliers and the range.	Analyze a line plot to find the total number of items that fall at, above, or below a given value.	SMMA_LO_01156
		Identify the most frequent value (mode) using a line plot.	SMMA_LO_01164
MA.6.DP.1.5	Create box plots and histograms to represent sets of numerical data within real-world contexts.	Determine minimum, maximum, range, median, and IQR in a box plot.	SMMA_LO_02219

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