



SuccessMaker®

**Arkansas Mathematics Curriculum Framework 2016
Grade 6**

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

Arkansas Standards Codes	Arkansas Mathematics Curriculum Framework 2016 Grade 6	SuccessMaker Item Description	Item ID
AR.Math.Content.6.RP	Ratios and Proportional Relationships		
AR.Math.Content.6.RP.A	Understand ratio concepts and use ratio reasoning to solve problems.		
AR.Math.Content.6.RP.A.2	Understand the concept of a unit rate a/b associated with a ratio $a:b$ with $b \neq 0$, and use rate language in the context of a ratio relationship. Note: Expectations for unit rates in this grade are limited to non-complex fractions.	Ratios and Equations Targeted Lesson 12: Rates, Formulas, and Graphs	
		Identify the unit rate given a table, a graph, an equation, a diagram, or a word problem.	SMMA_LO_02001
		Ratios and Equations Targeted Lesson 14: Graphing Proportional Relationships	
AR.Math.Content.6.RP.A.3	Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations.		
AR.Math.Content.6.RP.A.3.a	Use and create tables to compare equivalent ratios relating quantities with whole-number measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane.	Represent paired data on a scatterplot.	SMMA_LO_02194
AR.Math.Content.6.RP.A.3.b	Solve unit rate problems including those involving unit pricing and constant speed.	Calculate, compare, and use units rates to find the best prices for bakery ingredients.	SMMA_LO_02510
		Find the unit price of an item (products 2 x 6 to 25 x 32).	SMMA_LO_00830
		Convert light years to kilometers and kilometers to light years.	SMMA_LO_01339

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		Identify two unit rates for a given word problem.	SMMA_LO_02114
		Find the total money earned, given the number of hours worked and the hourly rate.	SMMA_LO_01630
		Students use calculations on rational numbers to figure out the speed at which James Cameron descended into Mariana Trench	SMMA_LO_02514
		Find the number of hours worked given the hourly rate and total earned.	SMMA_LO_01625
		Given the number of kilowatt-hours used and a price, find the total cost of power.	SMMA_LO_01336
AR.Math.Content.6.RP.A.3.c	Find a percent of a quantity as a rate per 100 (e.g., 30% of a quantity means 30/100 times the quantity).	Determine the percent (100 total items).	SMMA_LO_01713
		Ratios and Equations Targeted Lesson 17: What Does the Percent Refer To?	
		Find a percent of a number (the percent is greater than or equal to 100).	SMMA_LO_00275
AR.Math.Content.6.RP.A.3.d	Solve problems involving finding the whole, given a part and the percent.	Calculate and compare percentages to find the best free basketball throw shooter.	SMMA_LO_02509
		Find a percent of a money amount (\$0.80 to \$10.80).	SMMA_LO_00270
		Ratios and Equations Targeted Lesson 18: Solving Percent Problems	

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		Find total earnings for two to four weeks given the weekly salary, commission percentage, and total sales (whole number percents).	SMMA_LO_01637
		Find the number of grams that represents a percentage of the total weight (whole numbers).	SMMA_LO_01636
		Find the total cost, given an amount and the sales tax percentage.	SMMA_LO_00178
		Find the whole given the percent and the part.	SMMA_LO_00277
		Students use percents to interpret increase in number of views on a video.	SMMA_LO_02512
		Ratios and Equations Targeted Lesson 17: What Does the Percent Refer To?	
AR.Math.Content.6.RP.A.3.e	Use ratio reasoning to convert measurement units; manipulate and transform units appropriately when multiplying or dividing quantities.	Convert light years to kilometers and kilometers to light years.	SMMA_LO_01339
AR.Math.Content.6.NS	The Number System		
AR.Math.Content.6.NS.A	Apply and extend previous understandings of multiplication and division to divide fractions by fractions. Note: (In general, $(a/b) \div (c/d) = ad/bc$.)		
AR.Math.Content.6.NS.A.1a	Interpret and compute quotients of fractions	Divide a fraction by a mixed number; simplify if necessary.	SMMA_LO_00491
		Divide a mixed number by a fraction; simplify if necessary.	SMMA_LO_01789
		Divide fractions; simplify.	SMMA_LO_00512
		Divide fractions; simplify if necessary.	SMMA_LO_00487

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		Divide a fraction by a fraction; simplify if necessary.	SMMA_LO_01788
		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
AR.Math.Content.6.NS.A.1b	Solve word problems involving division of fractions by fractions (e.g., by using various strategies, including but not limited to, visual fraction models and equations to represent the problem).	Multiplication and Division Targeted Lesson 13: Multiplication and Division	
		Solve a division problem in context (remainder).	SMMA_LO_01616
		Make a picture to solve a division problem (math facts).	SMMA_LO_01238
		Fractions and Decimals Targeted Lesson 25: Fraction Operations Word Problems	
		Identify the method to solve a division problem with extra information.	SMMA_LO_01268
		Multiplication and Division Targeted Lesson 9: Another Kind of Division	
		Multiplication and Division Targeted Lesson 14: More Multiplication and Division Word Problems	
		Identify a picture that represents a division problem (math facts).	SMMA_LO_01245
AR.Math.Content.6.NS.B	Compute fluently with multi-digit numbers and find common factors and multiples.		

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AR.Math.Content.6.NS.B.2	Use computational fluency to divide multi-digit numbers using a standard algorithm. Note: A “standard algorithm” can be viewed as, but should not be limited to, the traditional recording system. A “standard algorithm” denotes any valid base-ten strategy.	Divide using the long division algorithm (one-digit divisor, remainder).	SMMA_LO_00292
		Divide using the long division algorithm (three-digit number, two-digit divisor, remainder).	SMMA_LO_00304
		Divide using the long division algorithm (one-digit divisor, remainder).	SMMA_LO_00295
		Divide using the long division algorithm (one-digit divisor, no remainder).	SMMA_LO_00294
		Multiplication and Division Targeted Lesson 33: Relating Division to Multiplication	
		Divide using the long division algorithm (three-digit dividend, one-digit divisor, remainder).	SMMA_LO_00297
		Multiply or divide two numbers with exponents (same base, exponents less than 18).	SMMA_LO_01104
		Represent a quotient by using arrays, area models, or equations.	SMMA_LO_00300
		Divide using the long division algorithm (one-digit divisor, no remainder).	SMMA_LO_00290
		Choose the best estimate for a long division problem (three-digit dividends, two-digit divisors).	SMMA_LO_00315

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		Divide using the long division algorithm (three-digit dividend, one-digit divisor, no remainder).	SMMA_LO_00296
		Divide using the long division algorithm (three-digit dividend, one-digit divisor, remainder).	SMMA_LO_00298
AR.Math.Content.6.NS.B.3	Use computational fluency to add, subtract, multiply, and divide multi-digit decimals and fractions using a standard algorithm for each operation. Note: A “standard algorithm” can be viewed as, but should not be limited to, the traditional recording system. A “standard algorithm” denotes any valid base-ten strategy	Divide a decimal by a decimal (horizontal division; dividends to tenths).	SMMA_LO_00237
		Subtract decimal numbers (minuends and subtrahends 0.1 to 9.9, no regrouping).	SMMA_LO_00195
		Subtract fractions; simplify if necessary (unlike denominators).	SMMA_LO_00474
		Fractions and Decimals Targeted Lesson 15: Adding Fractions with Like Denominators	
		Add decimal numbers using mental math (sums 1.0 to 99.8, regrouping).	SMMA_LO_00217
		Add decimal numbers (sums less than 10.0, regrouping).	SMMA_LO_00199
		Divide a decimal by 0.1, 0.01, or 0.001 (dividends 0.001 to 0.999).	SMMA_LO_00267

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		Divide a fraction by a mixed number; simplify if necessary.	SMMA_LO_00491
		Add fractions; simplify if necessary (unlike denominators).	SMMA_LO_00473
		Add two decimal numbers using mental math (sums 10.1 to 99.9, no regrouping).	SMMA_LO_00196
		Fractions and Decimals Targeted Lesson 36: Multiplying and Dividing Decimals	
		Add decimals using addition facts (sums 0.02-0.99).	SMMA_LO_00206
		Subtract fractions; no simplifying (unlike denominators).	SMMA_LO_00466
		Add fractions with like denominators (no simplifying).	SMMA_LO_01709
		Add fractions; no simplifying (unlike denominators).	SMMA_LO_00467
		Subtract decimal numbers (minuends and subtrahends 0.1 to 99.9, with or without regrouping).	SMMA_LO_00203
		Subtract decimal numbers (minuends 2.0 to 9.9, subtrahends 0.1 to 0.9, regrouping).	SMMA_LO_00198
		Subtract fractions; simplify if necessary (unlike denominators).	SMMA_LO_00472
		Subtract decimals numbers (minuends and subtrahends 0.01 to 9.99).	SMMA_LO_00207
		Multiply two decimals or multiply a decimal by a whole number (tenths to hundredths).	SMMA_LO_00223

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		Fractions and Decimals Targeted Lesson 22: Multiplying Fractions	
		Multiply decimals (to thousandths x hundredths).	SMMA_LO_00234
		Fractions and Decimals Targeted Lesson 35: Multiplying Decimals	
		Fractions and Decimals Targeted Lesson 16: Subtracting Fractions with Like Denominators	
		Multiply fractions; no simplifying.	SMMA_LO_00469
		Fractions and Decimals Targeted Lesson 17: Adding and Subtracting Fractions with Unlike Denominators	
		Add fractions; simplify if necessary (unlike denominators).	SMMA_LO_00471
		Subtract fractions; no simplifying (unlike denominators).	SMMA_LO_00468
		Divide decimals (0 x 2 to 2 x 5).	SMMA_LO_00251
		Divide fractions; simplify.	SMMA_LO_00512
		Add two decimal numbers (sums 1.0 to 98.9, regrouping).	SMMA_LO_00201
		Multiply three fractions; simplify if necessary.	SMMA_LO_00506
		Multiply fractions; simplify.	SMMA_LO_00475
		Divide a decimal by 0.1, 0.01, or 0.001.	SMMA_LO_00263
		Divide fractions; simplify if necessary.	SMMA_LO_00487
		Add two fractional parts of whole numbers in context.	SMMA_LO_01640

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		Add the decimal numbers provided on a data table.	SMMA_LO_01785
		Divide a fraction by a fraction; simplify if necessary.	SMMA_LO_01788
		Add fractions; no simplifying (unlike denominators).	SMMA_LO_00465
		Add or subtract decimals using mental math (sums less than 1.00, with or without regrouping).	SMMA_LO_00210
		Subtract metric length or weight Measurements expressed as decimals (to tenths, difference 1.2 to 8.9, regrouping).	SMMA_LO_00159
		Multiply decimals (to ten-thousandths x ten-thousandths).	SMMA_LO_00244
		Multiply fractions; simplify first.	SMMA_LO_00476
		Add two decimal numbers using mental math (sums 1.1 to 9.9, no regrouping).	SMMA_LO_00193
		Subtract two fractions from a whole within a context.	SMMA_LO_01634
		Fractions and Decimals Targeted Lesson 34: Adding and Subtracting Decimals	
		Add two decimal numbers (tenths, sums 1.0 to 2.0, regrouping).	SMMA_LO_00192
		Divide decimals (0.3 x 0.3 to 0.9 x 0.09).	SMMA_LO_00245
		Multiply decimals displayed horizontally (0.2 x 0.6 to 0.9 x 0.12).	SMMA_LO_00232

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		Subtract decimal numbers using mental math (minuends and subtrahends 10.1 to 99.9, no regrouping).	SMMA_LO_00197
AR.Math.Content.6.NS.B.4a	Find the greatest common factor of two whole numbers less than or equal to 100 using prime factorization as well as other methods	Given the prime factorization of two numbers, find the common multiple.	SMMA_LO_01108
		Identify the prime factorization of a two-digit number.	SMMA_LO_01093
		Ratios and Equations Targeted Lesson 1: Greatest Common Factor	
		Using a factor tree, find the prime factors of a number (2 to 32).	SMMA_LO_01087
		Find the greatest common factor for two to three numbers.	SMMA_LO_01110
AR.Math.Content.6.NS.B.4b	Find the least common multiple of two whole numbers less than or equal to 12 using prime factorization as well as other methods	Find the least common multiple of two or three numbers.	SMMA_LO_01112
AR.Math.Content.6.NS.C	Apply and extend previous understandings of numbers to the system of rational numbers.		
AR.Math.Content.6.NS.C.5	Understand that positive and negative numbers are used together to describe quantities having opposite directions or values, explaining the meaning of 0. (e.g., temperature above/below zero, elevation above/below sea level, credits/debits, positive/negative electric charge).	Use positive and negative numbers together to represent quantities having opposite directions or values.	SMMA_LO_02066
		Ratios and Equations Targeted Lesson 3: Negative Numbers and Number Lines	

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AR.Math.Content.6.NS.C.6	Understand a rational number as a point on the number line. Extend number line diagrams and coordinate axes familiar from previous grades to represent points on the line and in the plane with negative number coordinates.		
AR.Math.Content.6.NS.C.6.b	Recognize that the opposite of the opposite of a number is the number itself, e.g., $-(-3) = 3$, and that 0 is its own opposite.	Evaluate the expression $-(-a)$, where a has values 1 to 99.	SMMA_LO_01518
		Ratios and Equations Targeted Lesson 4: Understanding Positive and Negative Numbers	
AR.Math.Content.6.NS.C.6.d	Recognize that when two ordered pairs differ only by signs, the locations of the points are related by reflections across one or both axes.	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
AR.Math.Content.6.NS.C.6.e	Find and position integers and other rational numbers on a horizontal or vertical number line diagram.	Locate the missing integer on a number line (-3 to -12).	SMMA_LO_00101
		Ratios and Equations Targeted Lesson 4: Understanding Positive and Negative Numbers	
		Drag rational and irrational values to their correct positions on a number line.	SMMA_LO_02141
AR.Math.Content.6.NS.C.6.f	Find and position pairs of integers and other rational numbers on a coordinate plane.	Ratios and Equations Targeted Lesson 29: Coordinates	
AR.Math.Content.6.NS.C.7	Understand ordering and absolute value of rational numbers.		
AR.Math.Content.6.NS.C.7.b	Write, interpret, and explain statements of order for rational numbers in real-world contexts.	Complete statements of order for rational numbers in real-world contexts.	SMMA_LO_02110

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AR.Math.Content.6.NS.C.7.c	Understand the absolute value of a rational number as its distance from 0 on the number line.	Identify absolute value as a distance from zero on a number line.	SMMA_LO_01823
		Ratios and Equations Targeted Lesson 5: Absolute Value	
AR.Math.Content.6.NS.C.7.d	Interpret absolute value as magnitude for a positive or negative quantity in a real-world situation.	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	
AR.Math.Content.6.NS.C.8	Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Use coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.	Find distances between points with the same first coordinate or the same second coordinate by using coordinates and absolute value.	SMMA_LO_02113
		Graph points on a coordinate plane based on a real-world context.	SMMA_LO_02112
		Ratios and Equations Targeted Lesson 29: Coordinates	
AR.Math.Content.6.EE	Expressions and Equations		
AR.Math.Content.6.EE.A	Apply and extend previous understandings of arithmetic to algebraic expressions.		
AR.Math.Content.6.EE.A.1	Write and evaluate numerical expressions involving whole-number exponents.	Give the value of a number (1 to 10) raised to a power (1 to 5).	SMMA_LO_01098
AR.Math.Content.6.EE.A.2	Write, read, and evaluate expressions in which letters (variables) stand for numbers.		
AR.Math.Content.6.EE.A.2.a	Write expressions that record operations with numbers and with letters standing for numbers.	Write expressions that record operations with numbers and variables.	SMMA_LO_02056

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AR.Math.Content.6.EE.A.2.b	Identify parts of an expression using mathematical terms (sum, term, product, factor, quotient, coefficient); view one or more parts of an expression as a single entity.	Identify parts of an expression using mathematical terms (sum, term, product, factor, quotient, coefficient).	SMMA_LO_02057
AR.Math.Content.6.EE.A.2.c	Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in real-world problems. Perform arithmetic operations, including those involving whole-number exponents, in the conventional order when there are no parentheses to specify a particular order (Order of Operations).	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	
		Evaluate an algebraic expression with exponents (integers -10 to 10).	SMMA_LO_01818
		Evaluate the expression $mx + c$ or $mx - c$.	SMMA_LO_01739
		Ratios and Equations Targeted Lesson 10: Determining the Sign	
		Evaluate an expression within a context (multiplication).	SMMA_LO_01740
		Ratios and Equations Targeted Lesson 22: Evaluating Algebraic Expressions	
		Evaluate an expression using the order of operations.	SMMA_LO_01091
		Ratios and Equations Targeted Lesson 24: Equivalent Expressions	

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		Given the value for the variable, evaluate an addition expression (sums 4 to 12).	SMMA_LO_01683
		Evaluate an algebraic expression (integers -10 to 10).	SMMA_LO_01842
		Evaluate an algebraic expression with three variables (-5.9 to 5.9).	SMMA_LO_01843
AR.Math.Content.6.EE.A.3	Apply the properties of operations to generate equivalent expressions. Note: Includes but not limited to the distributive property.	Ratios and Equations Targeted Lesson 19: Parentheses and Order of Operations	
		Apply the properties of operations to generate equivalent expressions.	SMMA_LO_02059
AR.Math.Content.6.EE.A.4	Identify when two expressions are equivalent (i.e., when the two expressions name the same number regardless of which value is substituted into them).	Identify an equivalent expression for $a \times (b + c)$ with variables.	SMMA_LO_00129
		Identify $a - (-b)$ as equivalent to $a + b$ (minuends 1 to 10).	SMMA_LO_01517
		Identify $-(-a - b)$ as equivalent to $a + b$ with variables.	SMMA_LO_01530
		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 $-a + (-b)$, where a and b are 1 to 9.	SMMA_LO_00115
		Identify $a \times (b - c)$ as equivalent to $(a \times b) - (a \times c)$.	SMMA_LO_00130
		Identify an equivalent expression of commutativity for addition of integers.	SMMA_LO_00114
		Identify $a \times (b - c)$ as equivalent to $(a \times b) - (a \times c)$.	SMMA_LO_01534

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		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 $-a - b$, where a and b are 1 to 9.	SMMA_LO_00116
		Ratios and Equations Targeted Lesson 24: Equivalent Expressions	
		Identify $-(a - b)$ as equivalent to $-a + b$ (a and b from 1 to 9).	SMMA_LO_01523
		Identify $-(-a - b)$ as equivalent to $a + b$ (a and b from 1 to 9).	SMMA_LO_01524
		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 and subtrahends -9 to 9).	SMMA_LO_01521
		Identify $-(a + b)$ as equivalent to $-a - b$, where a and b are 1 to 9.	SMMA_LO_00118
		Identify an equivalent expression with integers (four one-digit addends).	SMMA_LO_00117
AR.Math.Content.6.EE.B	Reason about and solve one-variable equations and inequalities.		
AR.Math.Content.6.EE.B.5	Understand solving an equation or inequality as a process of answering a question: Using substitution, which values from a specified set, if any, make the equation or inequality true?	Identify two numbers that make an inequality true (two-digit).	SMMA_LO_00997

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AR.Math.Content.6.EE.B.6	Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a variable can represent an unknown number or any number in a specified set.	Write expressions that record operations with numbers and variables.	SMMA_LO_02056
		Write an expression to represent a real-world problem, using variables to represent numbers.	SMMA_LO_02062
AR.Math.Content.6.EE.B.8	For real world or mathematical problems		
AR.Math.Content.6.EE.B.8.a	Write an inequality of the form $x > c$, $x \geq c$, $x < c$, or $x \leq c$ to represent a constraint or condition	Write and use inequalities to decide whether vegetables in a processing plant meet quality standards	SMMA_LO_02511
		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
		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
		Write an inequality of the form $x > c$ or $x < c$ to represent a constraint in a real-world problem.	SMMA_LO_02064
AR.Math.Content.6.EE.B.8.b	Recognize that inequalities of the form $x > c$ or $x < c$ have infinitely many solutions	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

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		Write an inequality of the form $x > c$ or $x < c$ to represent a constraint in a real-world problem.	SMMA_LO_02064
AR.Math.Content.6.EE.B.8.c	Represent solutions of such inequalities on number line diagrams.	Solve an inequality of the form $px + q > r$ or $px + q < r$; then graph the solution on a number line.	SMMA_LO_02084
		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
AR.Math.Content.6.EE.C	Represent and analyze quantitative relationships between dependent and independent variables.		
AR.Math.Content.6.EE.C.9	Use variables to represent two quantities in a real-world problem that change in relationship to one another Note: The independent variable is the variable that can be changed; the dependent variable is the variable that is affected by the change in the independent variable.		
AR.Math.Content.6.EE.C.9.a	Write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable.	Write an equation that represents the relationship between independent and dependent quantities from a table.	SMMA_LO_01741
AR.Math.Content.6.EE.C.9.b	Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation.	Write an equation that represents the relationship between independent and dependent quantities from a table.	SMMA_LO_01741

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		Identify independent and dependent quantities from tables and graphs.	SMMA_LO_02195
AR.Math.Content.6.G	Geometry		
AR.Math.Content.6.G.A	Solve real-world and mathematical problems involving area, surface area, and volume.		
AR.Math.Content.6.G.A.1	Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems. Note: Trapezoids will be defined to be a quadrilateral with at least one pair of opposite sides parallel, therefore all parallelograms are trapezoids.	Multiplication and Division Targeted Lesson 26: Solving Area Word Problems	
		Multiplication and Division Targeted Lesson 28: Area and Perimeter Word Problems	
		Find the area of a triangle using a formula.	SMMA_LO_00827
		Find the area of a triangle (2 to 72 square inches).	SMMA_LO_00176
AR.Math.Content.6.G.A.2a	Find the volume of a right rectangular prism including whole number and fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism.	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 prism by packing the prism with unit cubes.	SMMA_LO_02042

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		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
		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 solid by counting cubes.	SMMA_LO_00829
AR.Math.Content.6.G.A.2b	Apply the formulas $V = l w h$ and $V = B h$ to find volumes of right rectangular prisms including fractional edge lengths in the context of solving real-world and mathematical problems.	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 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

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		Solve for a variable in the formula for volume of a rectangular prism (whole numbers and mixed numbers).	SMMA_LO_01817
		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 solid by counting cubes.	SMMA_LO_00829
AR.Math.Content.6.G.A.3	Apply the following techniques in the context of solving real-world and mathematical problems.		
AR.Math.Content.6.G.A.3.a	Draw polygons in the coordinate plane given coordinates for the vertices.	Identify the set of vertices on a grid can be connected to form a figure (triangle, quadrilateral, rectangle, or square).	SMMA_LO_00625
		Draw polygons in the coordinate plane and find the length of a side.	SMMA_LO_02170
AR.Math.Content.6.SP	Statistics and Probability		
AR.Math.Content.6.SP.A	Develop understanding of statistical variability.		
AR.Math.Content.6.SP.A.1	Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers.	Recognize statistical questions in which data with variability can be collected.	SMMA_LO_02172
AR.Math.Content.6.SP.A.3	Recognize that a measure of center for a numerical data set summarizes all of its values with a single number (such as mean, median, or mode), while a measure of variation (such as Interquartile Range or Mean Absolute Deviation) describes how its values vary with a single number.	Identify the measure of center that best summarizes the data in a graph.	SMMA_LO_02202
AR.Math.Content.6.SP.B	Summarize and describe distributions.		

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AR.Math.Content.6.SP.B.4	Display numerical data in plots on a number line, including dot plots, histograms, and box plots.	Read and interpret a line plot.	SMMA_LO_01764
		Complete and interpret a pictograph.	SMMA_LO_01207
		Make a line plot to show measurement data in fractions of a unit.	SMMA_LO_02196
		Solve problems using fractional units of measurement data displayed in line plots.	SMMA_LO_02198
		Make a line plot to show measurement data in whole number units.	SMMA_LO_02158
		Choose a title for a line plot and label the units.	SMMA_LO_01643
		Identify box-and-whiskers plot that matches a given set of data.	SMMA_LO_01201
		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
		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
		Identify data sets that match the data represented in a given box-and-whiskers plot.	SMMA_LO_01202

Arkansas Standards Codes	Arkansas Mathematics Curriculum Framework 2016 Grade 6	SuccessMaker Item Description	Item ID
		Determine minimum, maximum, range, median, and IQR in a box plot.	SMMA_LO_02219
AR.Math.Content.6.SP.B.5	Summarize numerical data sets in relation to their context, such as by: Note: Instructional focus should be on summarizing and describing data distributions.		
AR.Math.Content.6.SP.B.5.a	Reporting the number of observations.	Determine the number of observations in a data set.	SMMA_LO_02200
AR.Math.Content.6.SP.B.5.c	Calculate quantitative measures of center (including but not limited to median and/or mean) and variability (including but not limited to interquartile range and/or mean absolute deviation).	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
		Solve a problem in context by finding the average (mean) of three to seven numbers.	SMMA_LO_01619
		Determine the mean, median, MAD, or IQR of a data set.	SMMA_LO_02173
		Determine minimum, maximum, range, median, and IQR in a box plot.	SMMA_LO_02219
AR.Math.Content.6.SP.B.5.e	Relating the choice of measures of center and variability to the shape of the data distribution and the context in which the data were gathered.	Identify the measure of center that best summarizes the data in a graph.	SMMA_LO_02202