

Houghton Mifflin Harcourt
Florida's B.E.S.T. Into Algebra 1 ©2023

correlated to the

Access Points to Florida's B.E.S.T. Standards: Mathematics (2021)
Grade 9–12

Standard	Descriptor	Citations
Strand: NUMBER SENSE AND OPERATIONS		
Standard 1: Generate equivalent expressions and perform operations with expressions involving exponents, radicals or logarithms.		
MA.912.NSO.1.AP.1	Evaluate numerical expressions involving rational exponents.	SE/TE: 9–11, 13–20 TE Only: 13A–13C
MA.912.NSO.1.AP.2	Identify equivalent algebraic expressions using properties of exponents.	SE/TE: 13–20, 281–288 TE Only: 13A–13C
MA.912.NSO.1.AP.3	Using properties of exponents, identify equivalent algebraic expressions involving radicals and rational exponents. Radicands are limited to monomial algebraic expression.	SE/TE: 13–20, 281–288 TE Only: 13A–13C
MA.912.NSO.1.AP.4	Apply previous understanding of operations with rational numbers to add and subtract numerical radicals that are in radical form.	SE/TE: 5–12
MA.912.NSO.1.AP.5	Add and subtract algebraic expressions involving radicals. Radicands are limited to monomial algebraic expressions.	SE/TE: 5–12
MA.912.NSO.1.AP.6	Given a numerical logarithmic expression, identify an equivalent numerical expression using the properties of logarithms or exponents.	This is typically covered in an Algebra 2 course.
MA.912.NSO.1.AP.7	Given an algebraic logarithmic expression, identify an equivalent algebraic expression using the properties of logarithms or exponents.	This is typically covered in an Algebra 2 course.
Standard 2: Represent and perform operations with expressions within the complex number system.		
MA.912.NSO.2.AP.1	Extend previous understanding of the real number system to include the complex number system. Add and subtract complex numbers.	This is typically covered in an Algebra 2 course.

Standard	Descriptor	Citations
MA.912.NSO.2.AP.2	Represent addition and subtraction of complex numbers geometrically on the complex plane.	This is typically covered in an Algebra 2 course.
Strand: ALGEBRAIC REASONING		
Standard 1: Interpret and rewrite algebraic expressions and equations in equivalent forms.		
MA.912.AR.1.AP.1	Identify a part(s) of an equation or expression and explain the meaning within the context of a problem.	SE/TE: 25–30, 265–272, 273–280, 281–288 TE Only: 25A–25D, 265D, 273B–273D, 281D
MA.912.AR.1.AP.2	Rearrange an equation or a formula for a specific variable.	SE/TE: 39–46, 97–106, 115–124, 431–438, 461–480 TE Only: 39A–39D, 115D, 471C– 471D
MA.912.AR.1.AP.3	Add, subtract and multiply polynomial expressions with integer coefficients.	SE/TE: 327–352, 357–370 TE Only: 327C–327D, 357A–357D
MA.912.AR.1.AP.4	Divide a polynomial expression by a monomial expression with integer coefficients.	SE/TE: 335–344
MA.912.AR.1.AP.5	Divide polynomial expressions using long division, synthetic division and algebraic manipulation where the denominator is a linear expression.	SE/TE: 335–344
MA.912.AR.1.AP.6	Solve mathematical and/or real-world problems involving addition, subtraction multiplication or division of polynomials with integer coefficients.	SE/TE: 327–352, 357–370 TE Only: 357A–357D
MA.912.AR.1.AP.7	Factor a quadratic expression.	SE/TE: 385–392, 393–400, 401–410 TE Only: 385A–385D, 393A–393D
MA.912.AR.1.AP.8	Select a polynomial expression as a product of polynomials with integer coefficients over the real or complex number system.	SE/TE: 393–400, 401–410 TE Only: 385A–385D, 393A–393D
MA.912.AR.1.AP.9	Apply previous understanding of rational number operations with common denominators to add and subtract rational expressions.	This is typically covered in an Algebra 2 course.

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Access Points to Florida's B.E.S.T. Standards: Mathematics, Grades 9–12 (2021)**

Standard	Descriptor	Citations
Standard 2: Write, solve and graph linear equations, functions and inequalities in one and two variables.		
MA.912.AR.2.AP.1	Given an equation in a real-world context, solve one-variable multi-step linear equations.	SE/TE: 31–38 TE Only: 31A–31D
MA.912.AR.2.AP.2	Select a linear two-variable equation to represent relationships between quantities from a graph, a written description or a table of values within a mathematical or real-world context.	SE/TE: 67–74, 97–106, 115–124
MA.912.AR.2.AP.3	Select a linear two-variable equation in slope intercept form for a line that is parallel or perpendicular to a given line and goes through a given point.	SE/TE: 125–132 TE Only: 125C–125D
MA.912.AR.2.AP.4	Given a table, equation or written description of a linear function, select a graph of that function and determine at least two key features (can include domain, range, y-intercept or slope).	SE/TE: 67–74, 89–96, 97–106, 115–124
MA.912.AR.2.AP.5	Given a real-world problem select a graph that is modeled by a linear function and determine domain constraints in terms of the context.	SE/TE: 67–74, 89–96, 97–106, 107–114, 115–124, 155–162
MA.912.AR.2.AP.6	Given a mathematical and/or real-world context, select a one-variable linear inequality that represents the solution algebraically or graphically.	SE/TE: 47–54, 55–62 TE Only: 47C–47D, 55A–55D
MA.912.AR.2.AP.7	Select a two-variable linear inequality to represent relationships between quantities from a graph.	SE/TE: 243–250, 251–258 TE Only: 243A–243D
MA.912.AR.2.AP.8	Given a two-variable linear inequality, select a graph that represents the solution.	SE/TE: 243–250, 251–258 TE Only: 243A–243D
Standard 3: Write, solve and graph quadratic equations, functions and inequalities in one and two variables.		
MA.912.AR.3.AP.1	Given a one-variable quadratic equation from a mathematical or real-world context, select the solution to the equation over the real number system.	SE/TE: 385–392, 393–400, 401–410 ,415–422, 423–444 TE Only: 401A–401D, 413B–413C
MA.912.AR.3.AP.10	Select the graph of the solution set to a two-variable quadratic inequality.	This is typically covered in an Algebra 2 course.

Standard	Descriptor	Citations
MA.912.AR.3.AP.2	Solve mathematical one-variable quadratic equations with integer coefficients over the real and complex number systems.	SE/TE: 385–392, 393–400, 401–410, 415–422, 423–444 TE Only: 401A–401D, 413B–413C, 431A–431D
MA.912.AR.3.AP.3	Given a mathematical or real-world context, select a one-variable quadratic inequality over the real number system that represents the solution algebraically or graphically.	This is typically covered in an Algebra 2 course.
MA.912.AR.3.AP.4	Select a quadratic function to represent the relationship between two quantities from a graph.	SE/TE: 451–460, 461–470, 471–480
MA.912.AR.3.AP.5	Given the x -intercepts and another point on the graph of a quadratic function, select the equation for the function.	SE/TE: 471–480 TE Only: 471C–471D
MA.912.AR.3.AP.6	Given an expression or equation representing a quadratic function in vertex form, determine the vertex and zeros.	SE/TE: 377–384, 461–470, 471–480, 481–488 TE Only: 471C–471D
MA.912.AR.3.AP.7	Given a table, equation or written description of a quadratic function, select the graph that represents the function.	SE/TE: 451–460, 461–470, 471–480 TE Only: 471C–471D
MA.912.AR.3.AP.8	Solve mathematical problems that are modeled with quadratic functions, using key features and select the graph that represents this function.	SE/TE: 377–384, 451–460, 461–470, 471–480 TE Only: 471C–471D
MA.912.AR.3.AP.9	Select two-variable quadratic inequalities to represent relationships between quantities from a graph or a written description.	This is typically covered in an Algebra 2 course.
Standard 4: Write, solve and graph absolute value equations, functions and inequalities in one and two variables.		
MA.912.AR.4.AP.1	Solve a one variable absolute value equation.	SE/TE: 199–206 TE Only: 199A–199D
MA.912.AR.4.AP.2	Solve a one-variable absolute value inequality. Represent solutions algebraically or graphically.	SE/TE: 199–206 TE Only: 199A–199D
MA.912.AR.4.AP.3	Given a table, equation or written description of an absolute value function, select the graph that represents the function.	SE/TE: 187, 189–198

Standard	Descriptor	Citations
MA.912.AR.4.AP.4	Solve mathematical problems that are modeled with absolute value functions, using key features and select the graph that represents this function.	SE/TE: 187, 189–198, 199–206
Standard 5: Write, solve and graph exponential and logarithmic equations and functions in one and two variables.		
MA.912.AR.5.AP.2	Solve one-variable equations involving logarithms or exponential expressions. Identify any extraneous solutions.	SE/TE: 265–272, 273–280
MA.912.AR.5.AP.3	Given a real-world context, identify an exponential function as representing growth or decay.	SE/TE: 265–272, 273–280, 281–288
MA.912.AR.5.AP.4	Select an exponential function to represent two quantities from a graph or a table of values.	SE/TE: 265–272, 273–280, 281–288, 289–296
MA.912.AR.5.AP.5	Given an expression or equation representing an exponential function, reveal the constant percent rate of change per unit interval using the properties of exponents.	SE/TE: 315– 324
MA.912.AR.5.AP.6	Given a table, equation or written description of an exponential function, select the graph that represents the function	SE/TE: 265–272, 273–280, 281–288
MA.912.AR.5.AP.7	Solve and select the graph of mathematical exponential functions.	SE/TE: 289–296
MA.912.AR.5.AP.8	Given an equation of a logarithmic function, select the graph of that function.	This is typically covered in an Algebra 2 course.
MA.912.AR.5.AP.9	Solve and select the graph of mathematical logarithmic functions.	This is typically covered in an Algebra 2 course.
Standard 6: Solve and graph polynomial equations and functions in one and two variables.		
MA.912.AR.6.AP.1	Solve one-variable polynomial equations of degree 3 or higher in factored form, over the real number system.	This is typically covered in an Algebra 2 course.
MA.912.AR.6.AP.5	Create a rough graph of a polynomial function of degree 3 or higher (in factored form) using zeros, multiplicity and knowledge of end behavior.	SE/TE: 501– 508
Standard 7: Solve and graph radical equations and functions in one and two variables.		
MA.912.AR.7.AP.1	Solve one-variable radical equations and identify any extraneous solutions.	This is typically covered in an Algebra 2 course.
MA.912.AR.7.AP.2	Given a table, equation or written description of a square root or cube root function, select the graph that represents the function.	SE/TE: 501– 508

Standard	Descriptor	Citations
MA.912.AR.7.AP.3	Given a mathematical or real-world problem that is modeled with square root or cube root functions, using key features (in terms of the context), select the graph that represents this model.	SE/TE: 501– 508
Standard 8: Solve and graph rational equations and functions in one and two variables.		
MA.912.AR.8.AP.1	Solve one-variable rational equations and identify any extraneous solutions.	This is typically covered in an Algebra 2 course.
MA.912.AR.8.AP.2	Given a table, equation or written description of a rational function, select the graph that represents the function.	This is typically covered in an Algebra 2 course.
MA.912.AR.8.AP.3	Given a mathematical and/or real-world problem that is modeled with rational functions, using key features (in terms of the context), select the graph that represents this model.	This is typically covered in an Algebra 2 course.
Standard 9: Write and solve a system of two- and three-variable equations and inequalities that describe quantities or relationships.		
MA.912.AR.9.AP.1	Given an algebraic or graphical system of two-variable linear equations, select the solution to the system of equations.	SE/TE: 211–216 ,217–224, 225–230 ,231–238, 241
MA.912.AR.9.AP.2	Solve a system consisting of a two-variable linear equation and a quadratic equation algebraically or graphically.).	This is typically covered in an Algebra 2 course.
MA.912.AR.9.AP.3	Solve a system consisting of two-variable linear or quadratic equations algebraically or graphically.	This is typically covered in an Algebra 2 course.
MA.912.AR.9.AP.4	Select the graph of the solution set of a system of two-variable linear inequalities.	SE/TE: 251–258 TE Only: 251A–251D
MA.912.AR.9.AP.5	Select the graph of the solution set of a system of two-variable inequalities.	SE/TE: 251–258 TE Only: 251A–251D
MA.912.AR.9.AP.6	Given a real-world context, as systems of linear equations or inequalities with identified constraints, select a solution as a viable or non-viable option.	SE/TE: 211–216, 217–224, 225–230, 231–238, 241, 243–250, 251–258
MA.912.AR.9.AP.7	Given a real-world context, as systems of linear and non-linear equations or inequalities with identified constraints, select a solution as a viable or non-viable option.	SE/TE: 211–216, 217–224, 225–230 ,231–238, 241, 243–250, 251–258

Standard	Descriptor	Citations
Strand: FUNCTIONS		
Standard 1: Understand, compare and analyze properties of functions.		
MA.912.F.1.AP.1a	Given an equation or graph that defines a function, identify the function type as either linear or quadratic.	SE/TE: 167–176, 177–184, 307–314, 315–322, 489–496, 501–508, 509–516 TE Only: 315A–315D
MA.912.F.1.AP.1b	Given an input-output table with an accompanying graph, determine a function type, either linear or quadratic, that could represent it.	SE/TE: 315–322, 489–496, 501–508, 509–516 TE Only: 315A–315D
MA.912.F.1.AP.2	Given an equation in function notation or table of a function, identify the effect of the output of the function as the domain changes.	SE/TE: 89–96, 97–106, 189–198, 265–272, 273–280, 461–470
MA.912.F.1.AP.3	Given a real-world situation represented graphically or algebraically, identify the rate of change as positive, negative, zero or undefined.	SE/TE: 75–82, 155–162, 284–287, 310, 318, 459, 465
MA.912.F.1.AP.5	Identify key features of linear and quadratic functions each represented in the same way algebraically or graphically (key features are limited to domain; range; intercepts; intervals where the function is increasing, decreasing, positive or negative; end behavior).	SE/TE: 155–162, 501–508
MA.912.F.1.AP.6	Identify key features of linear and quadratic functions each represented in a different way algebraically or graphically (key features are limited to domain; range; intercepts; intervals where the function is increasing, decreasing, positive or negative; end behavior).	SE/TE: 289–296, 315–322, 481–488, 501–508, 509–516
MA.912.F.1.AP.7	Compare key features of two functions each represented algebraically or graphically.	SE/TE: 289–296, 315–322, 481–488, 501–508, 509–516
MA.912.F.1.AP.8	Select whether a linear or quadratic function best models a given real-world situation.	SE/TE: 167–176, 177–184, 307–314, 315–322, 489–496, 509–516
MA.912.F.1.AP.9	Select whether a function is even, odd or neither when represented algebraically.	This is typically covered in an Algebra 2 course.

Standard	Descriptor	Citations
Standard 2: Identify and describe the effects of transformations on functions. Create new functions given transformations.		
MA.912.F.2.AP.1	Select the effect (up, down, left, or right) on the graph of a given function after replacing $F(x)$ by $f(x) + k$ and $f(x + k)$ for specific values of k .	SE/TE: 137–154, 189–198, 451–460
MA.912.F.2.AP.2	Identify the effect on the graph of a given function of two or more transformations defined by adding a real number to the x - or y -values.	SE/TE: 137–154, 189–198, 451–460
MA.912.F.2.AP.3	Given the graph of a given function after replacing $f(x)$ by $f(x) + k$ and $f(x + k)$, $kf(x)$, for specific values of k select the type of transformation and find the value of the real number k .	SE/TE: 137–154, 189–198, 451–460
MA.912.F.2.AP.5	Given a table, equation or graph that represents a function, select a corresponding table, equation or graph of the transformed function defined by adding a real number to the x - or y -values.	SE/TE: 137–154, 189–198, 451–460
Standard 3: Create new functions from existing functions.		
MA.912.F.3.AP.2	Given a mathematical and/or real-world context, combine two or more functions, limited to linear, quadratic, and polynomial, using arithmetic operations of addition, subtraction, or multiplication.	This is typically covered in an Algebra 2 course.
MA.912.F.3.AP.4	Given a composite function within a mathematical or real-world context, identify the domain and range of the composite function.	This is typically covered in an Algebra 2 course.
MA.912.F.3.AP.6	Determine whether an inverse function exists by analyzing graphs and equations.	SE/TE: 481–487
MA.912.F.3.AP.7	Represent the inverse of a function algebraically. Use composition of functions to verify that one function is the inverse of the other.	SE/TE: 481–487
Strand: FINANCIAL LITERACY		
Standard 3: Describe the advantages and disadvantages of short-term and long-term purchases.		
MA.912.FL.3.AP.1	Compare simple and compound interest over time.	SE/TE: 297–302
MA.912.FL.3.AP.2	Solve real-world problems involving simple and compound interest.	SE/TE: 297–302
MA.912.FL.3.AP.4	Identify the relationship between simple interest and linear growth. Identify the relationship between compound interest and exponential growth.	SE/TE: 297–302

Standard	Descriptor	Citations
Strand: GEOMETRIC REASONING		
Standard 1: Describe the advantages and disadvantages of financial and investment plans, including insurances.		
MA.912.GR.1.AP.1	Use the relationships and theorems about lines and angles to solve mathematical or real-world problems involving postulates, relationships and theorems of lines and angles.	This is covered in a Geometry course.
MA.912.GR.1.AP.2	Identify the triangle congruence or similarity criteria; Side-Side-Side, Side-Angle-Side, Angle-Side-Angle, Angle-Angle-Side, Angle-Angle and Hypotenuse-Leg.	This is covered in a Geometry course.
MA.912.GR.1.AP.3	Use the relationships and theorems about triangles. Solve mathematical and/or real-world problems involving postulates, relationships and theorems of triangles.	This is covered in a Geometry course.
MA.912.GR.1.AP.4	Use the relationships and theorems about parallelograms. Solve mathematical and/or real-world problems involving postulates, relationships and theorems of parallelograms.	This is covered in a Geometry course.
MA.912.GR.1.AP.5	Use the relationships and theorems about trapezoids. Solve mathematical and/or real-world problems involving postulates, relationships and theorems of trapezoids.	This is covered in a Geometry course.
MA.912.GR.1.AP.6	Use the definitions of congruent or similar figures to solve mathematical and/or real-world problems involving two-dimensional figures.	This is covered in a Geometry course.
Standard 2: Apply properties of transformations to describe congruence or similarity.		
MA.912.GR.2.AP.1a	Given a preimage and image, identify the transformation.	This is covered in a Geometry course.
MA.912.GR.2.AP.1b	Select the algebraic coordinates that represent the transformation.	This is covered in a Geometry course.
MA.912.GR.2.AP.2	Select a transformation that preserves distance.	This is covered in a Geometry course.
MA.912.GR.2.AP.3	Identify a given sequence of transformations, that includes translations or reflections, that will map a given figure onto itself or onto another congruent figure.	This is covered in a Geometry course.
MA.912.GR.2.AP.5	Given a geometric figure and a sequence of transformations, select the transformed figure on a coordinate plane.	This is covered in a Geometry course.
MA.912.GR.2.AP.6	Use rigid transformations that includes translations or reflections to map one figure onto another to show that the two figures are congruent.	This is covered in a Geometry course.

Standard	Descriptor	Citations
MA.912.GR.2.AP.8	Identify an appropriate transformation to map one figure onto another to show that the two figures are similar.	This is covered in a Geometry course.
Standard 3: Use coordinate geometry to solve problems or prove relationships.		
MA.912.GR.3.AP.1	Select the weighted average of two or more points on a line.	This is covered in a Geometry course.
MA.912.GR.3.AP.2	Use coordinate geometry to classify definitions, properties and theorems involving circles, triangles, or quadrilaterals.	This is covered in a Geometry course.
MA.912.GR.3.AP.3	Use coordinate geometry to solve mathematical geometric problems involving lines, triangles and quadrilaterals.	This is covered in a Geometry course.
MA.912.GR.3.AP.4	Solve mathematical and/or real-world problems on the coordinate plane involving perimeter or area of a three- or four-sided polygon.	This is covered in a Geometry course.
Standard 4: Use geometric measurement and dimensions to solve problems.		
MA.912.GR.4.AP.1	Identify the shape of a two-dimensional cross section of a three-dimensional figure.	This is covered in a Geometry course.
MA.912.GR.4.AP.2	Identify a three-dimensional object generated by the rotation of a two-dimensional figure.	This is covered in a Geometry course.
MA.912.GR.4.AP.3	Select the effect of a dilation on the area of two-dimensional figures and/or surface area or volume of three-dimensional figures.	This is covered in a Geometry course.
MA.912.GR.4.AP.4	Solve mathematical and/or real-world problems involving the area of triangles, squares, circles or rectangles.	SE/TE: 365–370, 385–390
MA.912.GR.4.AP.5	Solve mathematical or real-world problems involving the volume of three-dimensional figures limited to cylinders, pyramids, prisms, or cones.	SE/TE: 327–344, 357–364
MA.912.GR.4.AP.6	Solve mathematical or real-world problems involving the surface area of three-dimensional figures limited to cylinders, pyramids, prisms, and cones.	SE/TE: 44, 325, 334
Standard 5: Make formal geometric constructions with a variety of tools and methods.		
MA.912.GR.5.AP.1	Construct a copy of a segment.	This is covered in a Geometry course.
MA.912.GR.5.AP.2	Construct the bisector of a segment, including the perpendicular bisector of a line segment.	This is covered in a Geometry course.
MA.912.GR.5.AP.3	Select the inscribed and circumscribed circles of a triangle.	This is covered in a Geometry course.

Standard	Descriptor	Citations
Standard 6: Use properties and theorems related to circles.		
MA.912.GR.6.AP.1	Identify and describe the relationship involving the length of a secant, tangent, segment or chord in a given circle.	This is covered in a Geometry course.
MA.912.GR.6.AP.2	Identify the relationship involving the measures of arcs and related angles, limited to central, inscribed and intersections of a chord, secants or tangents.	This is covered in a Geometry course.
MA.912.GR.6.AP.3	Identify and describe the relationship involving triangles and quadrilaterals inscribed in a circle.	This is covered in a Geometry course.
MA.912.GR.5.AP.4	Identify and describe the relationship involving the arc length and area of a sector in a given circle.	This is covered in a Geometry course.
Standard 7: Apply geometric and algebraic representations of conic sections.		
MA.912.GR.7.AP.2	Create the equation of a circle when given the center and radius.	This is covered in a Geometry course.
MA.912.GR.7.AP.3	Given an equation of a circle, identify center and radius, and graph the circle.	This is covered in a Geometry course.
Strand: TRIGONOMETRY		
Standard 1: Define and use trigonometric ratios, identities or functions to solve problems.		
MA.912.T.7.AP.1	Select a trigonometric ratio for acute angles in right triangles limited to sine or cosine.	This is covered in a Geometry course.
MA.912.T.7.AP.2	Given a mathematical and/or real-world problem involving right triangles, select a corresponding trigonometric ratio.	This is covered in a Geometry course.
Strand: DATA ANALYSIS AND PROBABILITY		
Standard 1: Summarize, represent and interpret categorical and numerical data with one and two variables.		
MA.912.DP.1.AP.1a	Given a set of data, select an appropriate table or graph to represent categorical data and whether it is univariate or bivariate.	SE/TE: 167–176, 531–540, 541–548, 549–558, 563–570, 571–588
MA.912.DP.1.AP.1b	Given a set of data, select an appropriate table or graph to represent numerical data and whether it is univariate or bivariate.	SE/TE: 167–176, 531–540, 541–548, 549–558, 563–570, 571–588
MA.912.DP.1.AP.2	Given a univariate or bivariate data distribution (numerical or categorical), identify the different components and quantities in the display.	SE/TE: 531–540, 541–548, 549–558, 563–570, 571–588 TE Only: 531A–531D

Standard	Descriptor	Citations
MA.912.DP.1.AP.3	Identify whether the data is explained by correlation or causation in the contexts of both numerical and categorical data.	SE/TE: 167–176, 541–548
MA.912.DP.1.AP.4	Given the mean or percentage and the margin of error from a sample survey, identify a population total.	SE/TE: 589–594
Standard 2: Solve problems involving univariate and bivariate numerical data.		
MA.912.DP.2.AP.4	Fit a linear function to a scatter plot that suggests a linear association. Identify the slope and y -intercept of the model.	SE/TE: 167–176, 177–184
MA.912.DP.1.AP.6	Given a scatter plot with a line of fit, residuals, and correlation identify the strength and direction of the linear fit.	SE/TE: 177–184
MA.912.DP.1.AP.8	Given a scatter plot, select a quadratic function that fits the data the best.	SE/TE: 489–496
MA.912.DP.1.AP.9	Given a scatter plot, select an exponential function that fits the data the best.	SE/TE: 307–314
Standard 3: Solve problems involving categorical data.:		
MA.912.DP.3.AP.1	When given a two-way frequency table summarizing bivariate categorical data, identify joint and marginal frequencies.	SE/TE: 541–548, 549–558
Strand: LOGIC AND DISCRETE THEORY		
Standard 4: Develop an understanding of the fundamentals of propositional logic, arguments and methods of proof.		
MA.912.LT.4.AP.10	Select the validity of an argument or give counterexamples to disprove statements.	This is covered in a Geometry course.
MA.912.LT.4.AP.3	Identify and accurately interpret “if...then,” “if and only if,” “all” or “not” statements.	This is covered in a Geometry course.