

Algebra 1

Reporting Category	Content Complexity 1 - Recall 2 - Basic applications of skills and concepts 3 - Strategic thinking and complex reasoning	Standard Grouping	% of FSA Test	MFAS
Algebra and Modeling	1	MAFS.912.A-APR.1.1	41%	<ul style="list-style-type: none"> • Adding Polynomials • Subtracting Polynomials • Multiplying Polynomials -1 • Multiplying Polynomials - 2
	2	MAFS.912.A-CED.1.1		<ul style="list-style-type: none"> • State Fair • Music Club • Quilts • Follow Me • Solving Absolute Value Equations • Solving Absolute Value Inequalities • Writing Absolute Value Equations • Writing Absolute Value Inequalities
	2	Also Assesses MAFS.912.A-REI.2.3		<ul style="list-style-type: none"> • Solve for X • Solve for N • Solve for M • Solve for Y • Solving Multistep Inequality • Solving a Literal Linear Equation
	1	and MAFS.912.A-CED.1.4		<ul style="list-style-type: none"> • Solving Literal Equations • Literal Equations • Solving Formulas for a Variable • Surface Area of a Cube • Rewriting Equations
	2	MAFS.912.A-CED.1.2		<ul style="list-style-type: none"> • Tech Repairs • Tee It Up • Trees in Trouble • Hotel Swimming Pool • Tech Repair Graph • Loss of Fir Trees

	3	Also Assesses MAFS.912.A-REI.3.5,	<ul style="list-style-type: none"> • Model Rocket
	1	MAFS.912.A-REI.3.6,	<ul style="list-style-type: none"> • Solving Systems • Solution Sets of Systems
	2	and MAFS.912.A-REI.4.12	<ul style="list-style-type: none"> • Apples and Peaches • Solving a System of Equations - 1 • Solving a System of Equations - 2 • Solving a System of Equations - 3
	3	MAFS.912.A-CED.1.3	<ul style="list-style-type: none"> • Graphing Linear Inequalities • Linear Inequalities in the Half-Plane • Which Graph? • Graph a System of Inequalities
	3	MAFS.912.A-REI.1.1	<ul style="list-style-type: none"> • Sugar and Protein • The New School • Constraints on Equations
	2	MAFS.912.A-REI.2.4	<ul style="list-style-type: none"> • Justify the Process - 1 • Does it Follow? • Justify the Process - 2 • Equation Logic
	2	MAFS.912.A-REI.4.11	<ul style="list-style-type: none"> • Complete the Square - 1 • Complete the Square - 2 • Complete the Square - 3 • Quadratic Formula - 1 • Quadratic Formula - 2 • Which Strategy? • Complex Solutions?
	1	Also Assesses MAFS.912.A-REI.4.10	<ul style="list-style-type: none"> • Graphs and Solutions - 1 • Graphs and Solutions - 2 • Using Tables • Using Technology
	2	MAFS.912.A-SSE.2.3	<ul style="list-style-type: none"> • Finding Solutions • What Is the Point? • Case In Point • Jumping Dolphin • Rocket Town • Population Drop • College Costs

	2	Also Assesses MAFS.912.A-SSE.1.1		<ul style="list-style-type: none"> • Interpreting Basic Tax • Dot Expressions • What Happens?
	2	and MAFS.912.A-SSE.1.2		<ul style="list-style-type: none"> • Finding Missing Values • Quadratic Expressions • Determine the Width • Rewriting Numerical Expressions
Functions and Modeling	2	MAFS.912.F-BF.2.3	40%	<ul style="list-style-type: none"> • Comparing Functions - Linear • Comparing Functions - Quadratic • Comparing Functions - Exponential • Write the Equations
	2	MAFS.912.F-IF.1.2		<ul style="list-style-type: none"> • What is the Function Notation? • What Is the Value? • Evaluating a Function • Graphs and Functions • Cell Phone Battery Life
	1	Also Assesses MAFS.912.F-IF.1.1		<ul style="list-style-type: none"> • Identifying Functions • Writing Functions • Identifying the Graphs of Functions • Cafeteria Functions • What is a Function? • Circles and Functions
	2	and MAFS.912.F-IF.2.5		<ul style="list-style-type: none"> • Height vs. Shoe Size • Car Wash • Describe the Domain • Airport Parking
	2	MAFS.912.F-IF.2.4		<ul style="list-style-type: none"> • Elevation Along a Trail • Uphill and Downhill • Taxi Ride • Bike Race • Surf's Up
	2	Also Assesses MAFS.912.F-IF.3.9		<ul style="list-style-type: none"> • Comparing Linear Functions • Comparing Linear and Exponential Functions • Comparing Quadratics
	2	MAFS.912.F-IF.2.6		<ul style="list-style-type: none"> • Pizza Palace • Identifying Rate of Change

			<ul style="list-style-type: none"> • Air Cannon • Estimating the Average Rate of Change
2	Also Assesses MAFS.912.S-ID.3.7		<ul style="list-style-type: none"> • Slope for the Foot Length Model • Slope for the Life Expectancy Model • Intercept for Life Expectancy • Bungee Cord Model
2	MAFS.912.F-IF.3.8		<ul style="list-style-type: none"> • Launch from a Hill • A Home for Fido • Exponential Functions - 1 • Exponential Functions - 2
1	Also Assesses MAFS.912.A-APR.2.3		<ul style="list-style-type: none"> • Zeros of a Quadratic • Zeros of a Cubic • Use Zeros to Graph
2	and MAFS.912.F-IF.3.7		<ul style="list-style-type: none"> • Graphing a Linear Function • Graphing Root Functions • Graphing a Step Function • Graphing a Quadratic Function • Graphing a Rational Function • Graphing Exponential Functions
3	MAFS.912.F-LE.1.1		<ul style="list-style-type: none"> • Linear or Exponential? • Prove Linear • Prove Exponential • How Does Your Garden Grow? • Exponential Growth
2	Also Assesses MAFS.912.F-LE.2.5		<ul style="list-style-type: none"> • Computer Repair • Interpreting Exponential Functions • Lunch Account
2	MAFS.912.F-LE.1.2		<ul style="list-style-type: none"> • Writing a Function from Ordered Pairs • The Cost of Water • Functions from Graphs • Writing an Exponential Function from its Graph • Writing an Exponential Function from a Description • Writing an Exponential Function from a Table • What is the Function Rule?
3	Also Assesses MAFS.912.F-BF.1.1		<ul style="list-style-type: none"> • Giveaway • Saving for a Car

	2	and MAFS.912.F-IF.1.3		<ul style="list-style-type: none"> • How much Bacteria? • Furniture Purchase
	2	MAFS.912.F-LE.1.3		<ul style="list-style-type: none"> • Which Sequences are Functions? • Recursive Sequences
	2	MAFS.912.F-LE.1.3		<ul style="list-style-type: none"> • Compare Linear and Exponential Functions • Compare Quadratic and Exponential Functions
Statistics and the Number System	1	MAFS.912.N-RN.1.2	19%	<ul style="list-style-type: none"> • Rational Exponents - 1 • Rational Exponents - 2 • Rational Exponents - 3 • Rational Exponents - 4
	2	Also Assesses MAFS.912.N-RN.2.3		<ul style="list-style-type: none"> • Sum of Rational Numbers • Product of Rational Numbers • Sum of Rational and Irrational Numbers • Product of Non-Zero Rational and Irrational Numbers
	2	and MAFS.912.N-RN.1.1		<ul style="list-style-type: none"> • Rational Exponents and Roots • Roots and Exponents
	2	MAFS.912.S-ID.1.1		<ul style="list-style-type: none"> • A Tomato Garden • Flowering Trees • Winning Seasons • Trees in the Park
	2	MAFS.912.S-ID.1.2		<ul style="list-style-type: none"> • How Many Jeans? • Texting During Lunch • Texting During Lunch Histograms
	2	Also Assesses MAFS.912.S-ID.1.3		<ul style="list-style-type: none"> • Using Centers to Compare Tree Heights • Using Spread to Compare Tree Heights • Comparing Distributions • Total Points Scored
	2	MAFS.912.S-ID.2.5		<ul style="list-style-type: none"> • Breakfast Drink Preference • Who is a Vegetarian? • Conditional Relative Frequency • Marginal and Joint Frequency
	2	MAFS.912.S-ID.2.6		<ul style="list-style-type: none"> • Swimming Predictions • Fit a Function • Residuals • House Prices

	2	<u>Also Assesses MAFS.912.S-ID.3.8</u>	<ul style="list-style-type: none"> • <u>July December Correlation</u> • <u>How Big are Feet?</u> • <u>Correlation Order</u> • <u>Correlation for Life Expectancy</u>
	2	<u>and MAFS.912.S-ID.3.9</u>	<ul style="list-style-type: none"> • <u>Does the Drug Cause Diabetes?</u> • <u>Sleep and Reading</u> • <u>Does Studying Pay?</u> • <u>Listing All Possible Causal Relationships</u>