

Unit	Lesson	Amplify	Title	Week	Topic	Date Completed	PP Completed?	Mastery
1. Patterns and Sequences	1	A1.1.01	Visual Patterns	Week 1	Solving Problems With Tables			
	2	A1.1.02	Sequence Carnival		Introduction to Sequences			
	3	A1.1.03	Recursion Machine		Recursive Definitions			
	4	A1.1.04	See the Sequence	Week 2	Arithmetic and Geometric Sequences			
	5	A1.1.05	Paper Patterns		Explicit Expressions			
	6	A1.1.06	More Visual Patterns	Week 3	The n th Term			
			End Assessment					
2. Systems of Equations and Inequalities	7	A1.2.02	Working Backwards		Solving Equations With Inverse Operations			
	8	A1.2.03	Same Position		No Solution and Infinite Solutions			
	9	A1.2.04	Subway Seats		Representing Situations With Two-Variable Equations			
	10	A1.2.06	Shelley the Snail	Week 5	Connecting Graphs and Linear Equations			
			Quiz					
	11	A1.2.08	Pizza Delivery		Representing Situations With One-Variable Inequalities			
	12	A1.2.09	Graphing Inequalities	Week 6	Inequalities on the Number Line			
	13	A1.2.10	Solutions and Sheep		Solving One-Variable Inequalities			
	14	A1.2.11	Absolute Value Solutions		Solving Absolute Value Equations and Inequalities			
	15	A1.2.13	Bracelet Budgets	Week 7	Introduction to Two-Variable Inequalities			
	16	A1.2.14	All the Solutions		Graphing Solutions to Two-Variable Inequalities			
			Assessment					
3. Describing Data	17	A1.3.01	Survey Says		What Kinds of Data Can I Collect?			
	18	A1.3.04	Love It or Leave It		Revisiting Dot Plots and Histograms			
	19	A1.3.05	Better Weather		Revisiting Box Plots			
	20	A1.3.06	Shapes of Data	Week 8	Describing Data Sets			
	21	A1.3.07	Quick Pick		Revisiting Measures of Center			
	22	A1.3.08	Finding Desmo		Introduction to Standard Deviation			
	23	A1.3.10	Racecar	Week 9	Comparing Data Using Median and IQR			
	24	A1.3.11	Far Out		Identifying Outliers			
			Quiz					
	25	A1.3.13	Correlation Coefficient	Week 10	Introduction to Correlation Coefficient			
	26	A1.3.14	How Hot Is It?		Comparing Data Using Mean and Standard Deviation			
	27	A1.3.15	City Slopes		Interpreting Slope and Vertical Intercept in Context			
	28	A1.3.16	Residual Fruit	Week 11	Residuals and Residual Plots			
	29	A1.3.17	Penguin Populations		Using Technology to Generate the Line of Best Fit			
			Assessment					
4. Describing Functions	30	A1.4.01	Mystery Rule		What Is a Function?			
	31	A1.4.02	Pricing Pizzas		Introducing Function Notation			
	32	A1.4.03	Toy Factory		Function Notation and Equations			
	33	A1.4.04	Function Carnival	Week 12	Creating and Interpreting Graphs of Functions			
	34	A1.4.05	Craft-a-Graph		Key Features of Graphs			
	35	A1.4.06	Plane, Train, and Automobile		Average Rate of Change			
	36	A1.4.07	Space Race	Week 13	Comparing Graphs			
	37	A1.4.09	Elevator Stories		Describing Domain and Range With Inequalities			
	38	A1.4.10	Marbleslides		Graphing Functions With Restrictions			
			Quiz	Week 14				
	39	A1.4.11	Pumpkin Prices		Piecewise-Defined Functions, Part 1			
	40	A1.4.12	Doctor Doctor		Piecewise-Defined Functions, Part 2			
	41	A1.4.13	Recursion Excursion		Writing Sequences in Function Notation			
	42	A1.4.15	What's Your Score?		Absolute Value Functions, Part 1			
	43	A1.4.16	Absolute Value Machines		Absolute Value Functions, Part 2			
	44	A1.4.17	Chip the Robot	Week 15	Inverses			
			Assessment					
			End of Semester 1					

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5. Systems of Linear Equations and Inequalities	45	A1.5.01	Shape It Up	Week 1	Introduction to Systems of Equations			
	46	A1.5.02	Eliminating Shapes		Introduction to Elimination			
	47	A1.5.03	Process of Elimination		Elimination Using Equivalent Equations			
	48	A1.5.04	Solution by Substitution	Week 2	Solving Systems by Substitution			
	49	A1.5.05	Lizard Lines		Graphing Systems of Linear Equations			
	50	A1.5.08	Electric Line Zapper		Strategically Solving Systems of Linear Equations			
			Quiz					
	51	A1.5.09	Quilts	Week 3	Introduction to Systems of Inequalities			
	52	A1.5.10	Seeking Solutions		Solutions to Systems of Inequalities			
			Assessment					
6. Exponential Functions	53	A1.6.01	Carlos's Fish	Week 4	Equations of Exponential Relationships			
	54	A1.6.02	Growing Globs		Patterns of Growth			
	55	A1.6.03	Going Viral		Graphs and Exponential Relationships			
	56	A1.6.05	Carlos and Corals		Evaluating Exponential Functions			
	57	A1.6.07	Growing Mold		Percent Increase and Decrease			
	58	A1.6.10	Marbleslides: Exponential	Week 6	Translations of Exponential Functions			
			Quiz					
	59	A1.6.13	Bank Accounts		Introducing Simple and Compound Interest			
	60	A1.6.14	Payday Loan		Revisiting Compound Interest			
	61	A1.6.15	Credit Card Compounding		Different Compounding Intervals			
	62	A1.6.16	Detroit's Population		Modeling Data and Goodness of Fit			
			Assessment					
7. Quadratic Functions	63	A1.7.01	Revisiting Visual Patterns	Week 7	A New Type of pattern			
	64	A1.7.02	Quadratic Visual Patterns		Expressions for Quadratic Patterns			
	65	A1.7.04	On the Fence		Quadratics in Context			
	66	A1.7.05	Stomp Rockets	Week 8	Projectiles and Predictions			
	67	A1.7.06	Plenty of Parabolas		Key Features of Parabolas			
	68	A1.7.10	Interesting Intercepts		Intercepts in Factored and Standard Forms			
			Spring Break					
	69	A1.7.11	Parabola Zapper	Week 9	Graphing Parabolas in Factored Form			
	70	A1.7.12	Break Through Parabolas		Building Quadratics in Factored Form			
			Quiz					
	71	A1.7.14	Vertex Form	Week 10	Investigating Vertex Form			
	72	A1.7.15	Scaled It!		Vertical Translations and Stretches of Quadratic Functions			
	73	A1.7.16	Through the Gates		Writing Equations of Quadratic Functions			
	74	A1.7.17	Reasonable Rent		Putting It All Together			
			Assessment					
8. Quadratic Equations	75	A1.8.02	Two Factor Multiplication	Week 11	Rewriting Factored-Form Expressions in Standard Form			
	76	A1.8.03	Standard Feature		Patterns in Factored-Form and Standard-Form Expressions			
	77	A1.8.04	X-Factor		Factoring Quadratic Expressions			
	78	A1.8.05	Form Up	Week 12	More Factoring Quadratic Expressions			
	79	A1.8.06	Shooting Stars		Determining the -Intercepts of Quadratic Functions			
	80	A1.8.07	Make It Zero		Solving Quadratic Equations Using the Zero-Product Property			
			Quiz					
	81	A1.8.08	Zero, One, or Two?	Week 13	Solving Equations by Reasoning			
	82	A1.8.09	Graph to Solve		Solving Quadratic Equations by Graphing			
	83	A1.8.11	Square Dance		Factoring Quadratic Expressions			
	84	A1.8.12	Square Tactic	Week 14	Solving by Completing the Square			
	85	A1.8.14	Formula Foundations		Introducing the Quadratic Formula			
	86	A1.8.15	Formula Fluency		Solving Quadratic Equations Using the Quadratic Formula			
	87	A1.8.16	Stomp Rockets in Space	Week 15	Solving Quadratic Equations in Context			
	88	A1.8.17	Star Systems		Solving Systems of Linear and Quadratic Equations			
	89		Catch Up Day		TBD			
			Assessment					