ALGEBRA 1 Unit 1 Unit Dependency: 6.8

Which One Doesn't Belong?: Types of Data	1	1.1	
Representing Data About You and Your Classmates	1	1.2	
Categorizing Questions	1	1.3	
Notice and Wonder: Battery Life	1	2.1	
Tomato Plants: Histogram	1	2.2	
Tomato Plants: Box Plot	1	2.3	
Reasoning About Representations	1	2.4	
Notice and Wonder: Dot Plots	1	3.1	
Data Displays	1	3.2	
Why Graphical Representations?	1	3.3	
Which One Doesn't Belong: Distribution Shape	1	4.1	
Matching Distributions	1	4.2	
Where Did The Distribution Come From?	1	4.3	
Distribution Types	1	4.4	
Calculating Centers	1	5.1	
Heartbeats: Part 1	1	5.2	
Heartbeats: Part 2	1	5.3	
Calculating MAD and IQR	1	5.4	
Make 24	1	6.1	
Mystery Operations	1	6.2	
More Spreadsheets!	1	6.3	
What Does This Do?	1	6.4	
Dust Off Those Cobwebs	1	7.1	
A Spreadsheet Is a Calculator	1	7.2	
Use the Contents of a Cell in a Calculation	1	7.3	
Solve Some Problems	1	7.4	
Good Old Raisins and Peanuts	1	7.5	
Tables of Equivalent Ratios	1	8.1	
The Birthday Trick	1	8.2	
Using Spreadsheet Patterns	1	8.3	
Doubling in a Spreadsheet	1	8.4	
It Begins With Data	1	9.1	
Finding Spreadsheet Statistics	1	9.2	
Making Digital Displays	1	9.3	
What Are These Values?	1	9.4	
Battle Royale	1	10.1	
Separated by Skew	1	10.2	
Plots Matching Measures	1	10.3	
Shape and Statistics	1	10.4	
Math Talk: Mean	1	11.1	
Describing Data Distributions	1	11.2	
Visual Variability and Statistics	1	11.3	
Which Menu?	1	11.4	
Notice and Wonder: Measuring Variability	1	12.1	
Investigating Standard Deviation	1	12.2	
Investigating Variability	1	12.3	
True or False: Reasoning with Standard Deviation	1	12.4	
Math Talk: Outlier Math	1	13.1	
Info Gap: African and Asian Elephants	1	13.2	
Interpreting Measures of Center and Variability	1	13.3	
Majors and Salaries	1	13.4	
Health Care Spending	1	14.1	
Investigating Outliers	1	14.2	
Origins of Outliers	1	14.3	
Expecting Outliers	1	14.4	
Bowling Partners	1	15.1	
Comparing Marathon Times	1	15.1	
Comparing Measures	1	15.3	
Comparing Mascots	1	15.4	
Experimental Conditions	1	16.1	
Dropping the Ruler	1	16.2	
Heights and Handedness	1	16.3	
Assessment			

ALGEBRA 1 Unit 2 Unit Dependency: 8.4

A Main Dish and Some Side Dishes	2	1.1	
How Much Will It Cost?	2	1.2	
What are the Constraints?	2	1.3	
Ice Cream Party	2	1.4	
Math Talk: Percent of 200	2	2.1	
A Platonic Relationship	2	2.2	
Blueberries and Earnings	2	2.3	
Car Prices	2	2.4	
Shirt Colors	2	2.5	
Finding a Relationship	2	3.1	
Something About 400	2	3.2	
What are the Relationships?	2	3.3	
Labeling Books	2	3.4	
What is a Solution?	2	4.1	
Weekend Earnings	2	4.2	
Calories from Protein and Fat	2	4.3	
Box of T-shirts	2	4.4	
Which One Doesn't Belong: Hours and Dollars	2	5.1	
Snacks in Bulk	2	5.2	
Graph It!	2	5.3	
A Spoonful of Sugar	2	5.4	
Two Expressions	2	6.1	
Much Ado about Ages	2	6.2	
What's Acceptable?	2	6.3	
Box of Beans and Rice	2	6.4	
Math Talk: Could It be Zero?	2	7.1	
Explaining Acceptable Moves	2	7.2	
It Doesn't Work!	2	7.3	
If This, Then That	2	7.4	
Which Equations?	2	8.1	
Post-Parade Clean-up	2	8.2	
Filling and Emptying Tanks	2	8.3	
A Rectangular Relationship	2	8.4	
Faces, Vertices, and Edges	2	9.1	
Cargo Shipping	2	9.2	
Streets and Staffing	2	9.3	
Carnival Tickets	2	9.4	
Games and Rides	2	10.1	
Graphing Games and Rides	2	10.2	
Nickels and Dimes	2	10.3	
Kiran at the Carnival	2	10.4	
Rewrite These!	2	11.1	
Graphs of Two Equations	2	11.2	
Slope Match	2	11.3	
Features of a Graph	2	11.4	
Math Talk: A Possible Mix?	2	12.1	
Trail Mix	2	12.2	
Meeting Constraints	2	12.3	
Fabric Sale	2	12.4	
Math Talk: Is It a Match?	2	13.1	
Four Systems	2	13.2	
What about Now?	2	13.3	
A System to Solve	2	13.4	
Notice and Wonder: Hanger Diagrams	2	14.1	
Adding Equations	2	14.2	
Adding and Subtracting Equations to Solve Systems	2	14.3	
What to Do with This System?	2	14.4	
Is It Still True?	2	15.1	
Classroom Supplies	2	15.2	
A Bunch of Systems	2	15.3	
Putting New Equations to Work	2	15.4	
Multiplying Equations By a Number	2	16.1	

Writing a New System to Solve a Given System	2	16.2	
What Comes Next?	2	16.3	
Build Some Equivalent Systems	2	16.4	
Make Your Move	2	16.5	
A Curious System	2	17.1	
What's the Deal?	2	17.2	
Card Sort: Sorting Systems	2	17.3	
One, Zero, Infinitely Many	2	17.4	
No Graphs, No Problem	2	17.5	
Mid-Unit Assesment			
What Do Those Symbols Mean?	2	18.1	
Planning the Senior Ball	2	18.2	
Elevator Constraints	2	18.3	
Grape Constraints	2	18.4	
Find a Value, Any Value	2	19.1	
Off to an Orchard	2	19.2	
Part-Time Work	2	19.3	
Equality and Inequality	2	19.4	
More or Less?	2	19.5	
Seeking Solutions	2	19.6	
Dinner for Drama Club	2	20.1	
Gasoline in the Tank	2	20.2	
Different Ways of Solving	2	20.3	
Matching Inequalities and Solutions	2	20.4	
How Many Hours of Work?	2	20.5	
Math Talk: Less Than, Equal to, or More Than 12?	2	21.1	
Solutions and Not Solutions	2	21.2	
Sketching Solutions to Inequalities	2	21.3	
Pick a Graph	2	21.4	
Landscaping Options	2	22.1	
Rethinking Landscaping	2	22.2	
The Saturday Market	2	22.3	
Charity Concerts	2	22.4	
A Weekend of Games	2	22.5	
Graphing Inequalities with Technology	2	23.1	
Solving Problems with Inequalities in Two Variables	2	23.2	
Card Sort: Representations of Inequalities	2	23.3	
The Band Played On	2	23.4	
A Silly Riddle	2	24.1	
A Quilting Project	2	24.2	
Remember These Situations?	2	24.3	
Scavenger Hunt	2	24.4	
Oh Good, Another Riddle	2	24.5	
Which One Doesn't Belong: Graphs of Solutions	2	25.1	
Focusing on the Details	2	25.2	
Info Gap: Terms of A Team	2	25.3	
Widgets and Zurls	2	25.4	
A Solution to Which Inequalities?	2	26.1	
Custom Trail Mix	2	26.2	
Design Your Own Trail Mix	2	26.3	

ALGEBRA 1 Unit 3 Unit Dependency: 8.6, A1.2

Utensils and Paper Preferences	3	1.1	
Fruit Fly Mutations	3	1.2	
Info Gap: Running to the Dentist	3	1.3	
Oh, Deer	3	1.4	
Notice and Wonder: Teacher Degrees	3	2.1	
City Cat, Country Cat	3	2.2	
Analyzing a Study With Two Treatments	3	2.3	
Writing Sample	3	2.4	
Cake or Pie	3	3.1	
Associations in Categorical Data	3	3.2	
Associating Your Own Variables	3	3.3	
Graduate Debt	3	3.4	
Notice and Wonder: Crowd Noise	3	4.1	
Orange You Glad We're Boxing Fruit?	3	4.2	
Food Markup	3	4.3	
The Slope is the Thing	3	4.4	
Roar of the Crowd	3	4.5	
Selecting the Best Line	3	5.1	
Card Sort: Data Patterns	3	5.2	
Fitting Lines with Technology	3	5.3	
Fresh Air	3	5.4	
Math Talk: Differences in Expectations	3	6.1	
Oranges Return	3	6.2	
Best Residuals	3	6.3	
Deciding from Residuals	3	6.4	
Which One Doesn't Belong: Linear Models	3	7.1	
Card Sort: Scatter Plot Fit	3	7.2	
Matching Correlation Coefficients	3	7.3	
What Is a Correlation Coefficient?	3	7.4	
Putting the Numbers in Context	3	8.1	
Never Know How Far You'll Go	3	8.2	
Correlation Zoo	3	8.3	
How Bad Is It, Doc?	3	8.4	
Used Car Relationships	3	9.1	
Cause or Effect?	3	9.2	
Find Your Cause	3	9.3	
Just Cause	3	9.4	
A Fossil Puzzle	3	10.1	
Playing Dirty	3	10.2	
Assessment			

ALGEBRA 1 Unit 4 Unit Dependency: 8.5, A1.2

Bagel Shop	4	1.1	
Be Right Back!	4	1.2	
Talk about a Function	4	1.3	
The Backyard Pool	4	1.4	
Back to the Post!	4	2.1	
A Handy Notation	4	2.2	
Birthdays	4	2.3	
A Growing Puppy	4	2.4	
Observing a Drone	4	3.1	
Smartphones	4	3.2	
Boiling Water	4	3.3	
Visitors in a Museum	4	3.4	
Notice and Wonder: Two Functions	4	4.1	
Four Functions	4	4.2	
Rules for Area and Perimeter	4	4.3	
Perimeter of a Square	4	4.4	
Make It True	4	5.1	
Data Plans	4	5.2	
Function Notation and Graphing Technology	4	5.3	
A Third Option	4	5.4	
Walking Home	4	6.1	
A Toy Rocket and a Drone	4	6.2	
The Jump	4	6.3	
The Squirrel	4	6.4	
Temperature Drop	4	7.1	
Drop Some More	4	7.2	
Populations of Two States	4	7.3	
Population of a City	4	7.4	
Which One Doesn't Belong: Temperature Over Time	4	8.1	
Flag Raising (Part 1)	4	8.2	
Flag Raising (Part 2)	4	8.3	
Two Pools	4	8.4	
The Bouncing Ball	4	8.5	
Caught in a Tree	4	8.6	
Population Growth	4	9.1	
Wired or Wireless?	4	9.2	
Audience of TV Shows	4	9.3	
Functions f and g	4	9.4	
A Toy Rocket and a Drone Again	4	9.5	
Mid-Unit Assessment			
Number of Barks	4	10.1	
Card Sort: Possible or Impossible?	4	10.2	
What about the Outputs?	4	10.3	
What Could Be the Trouble?	4	10.4	
Community Service	4	10.5	
Which One Doesn't Belong: Unlabeled Graphs	4	11.1	
Time on the Swing	4	11.2	
Back to the Bouncing Ball	4	11.3	
A Pot of Water	4	11.4	
Frozen Yogurt	4	12.1	
Postage Stamps	4	12.2	
Bike Sharing	4	12.3	
Piecing It Together	4	12.4	
International Postage	4	12.5	
How Good Were the Guesses?	4	13.1	
Plotting the Guesses	4	13.2	
Oops, Try Again!	4	13.3	
Almond Bags	4	13.4	
Temperature in Toronto	4	14.1	
The Distance Function	4	14.2	
Moving Graphs Around	4	14.3	
More Moving Graphs Around	4	14.4	
Elevations of Places	4	14.5	
What Does It Say?	4	15.1	

Caesar Says Shift	4	15.2	
U.S. Dollars and Mexican Pesos	4	15.3	
To and From Kelvin	4	15.4	
Shopping for Cookbooks	4	16.1	
From Celsius to Fahrenheit	4	16.2	
Info Gap: Custom Mugs	4	16.3	
Tables and Seats	4	16.4	
Carnival Functions	4	16.5	
Water in a Tank	4	17.1	
Another Look at the Tank	4	17.2	
Phones in Homes	4	17.3	
Time on the Trail	4	17.4	
Devices	4	18.1	
Charging a Phone	4	18.2	
How Long Will It Last?	4	18.3	
Assessment			

ALGEBRA 1 Unit 5 Unit Dependency: 8.7, A1.4

Splitting Bacteria	5	1.1	
A Genie in a Bottle	5	1.2	
Graphing the Genie's Offer	5	1.3	
Rival Genie	5	1.4	
Which One Doesn't Belong: Tables of Values	5	2.1	
Growing Stores	5	2.2	
Flow and Followers	5	2.3	
Meow Island and Purr Island	5	2.4	
Math Talk: Exponent Rules	5	3.1	
What Does x^0 Mean?	5	3.2	
Multiplying Microbes	5	3.3	
Graphing the Microbes	5	3.4	
Mice in the Forest	5	3.5	
Notice and Wonder: Two Tables	5	4.1	
What's Left?	5	4.2	
Value of a Vehicle	5	4.3	
The Depreciating Phone	5	4.4	
Two Other Tables	5	5.1	
The Algae Bloom	5	5.2	
Insulin in the Body	5	5.3	
Acetaminophen	5	5.4	
Fractions and Decimals	5	6.1	
Falling and Falling	5	6.2	
Card Sort: Matching Descriptions to Graphs	5	6.3	
A Phone, a Company, a Camera	5	6.4	
Exponent Rules	5	7.1	
Coral in the Sea	5	7.2	
Windows of Graphs	5	7.3	
Measuring Meds	5	7.4	
Invasive Fish	5	7.5	
Rainfall in Las Vegas	5	8.1	
Moldy Bread	5	8.2	
Functionally Speaking	5	8.3	
Deciding on Graphing Window	5	8.4	
Beaver Population	5	8.5	
Equivalent or Not?	5	9.1	
Cost of Solar Cells	5	9.2	
Paper Folding	5	9.3	
Info Gap: Smartphone Sales	5	9.4	
Bacteria Population	5	9.5	
Falling Prices	5	10.1	
Coffee Shops	5	10.2	
Revisiting Cost of Solar Cells	5	10.3	
An Average Rate of Change	5	10.4	
Wondering about Windows	5	11.1	
Moving Graphs Around	5	11.2	
Which is the Bounciest of All?	5	11.3	
Beholding More Bounces	5	11.4	
Drop Height	5	11.5	
Spending Gift Money	5	12.1	
Equations and Their Graphs	5	12.2	
Graphs Representing Exponential Decay	5	12.3	
A Possible Equation	5	12.4	
Which One Doesn't Belong: Four Functions	5	13.1	
Value of A Computer	5	13.2	
Moldy Wall	5	13.3	
Two Graphs	5	13.4	
Mid-Unit Assessment			
Wheels	5	14.1	
Taxes and Sales	5	14.2	
Expressing Percent Increase and Decrease	5	14.3	
A Book and a Cake	5	14.4	
Dandy Discounts	5	15.1	
Owing Interests	5	15.2	

Comparing Loans	5	15.3	
Comparing Average Rates of Change	5	15.4	
Delayed Payments	5	15.5	
Five Years Later	5	16.1	
Resizing Images	5	16.2	
Earning Interest	5	16.3	
Two Months Later	5	16.4	
Returns Over Three Years	5	17.1	
Contemplating Credit Cards	5	17.2	
Which One Would You Choose?	5	17.3	
Changes Over the Years	5	17.4	
How Often Is It Calculated?	5	17.5	
Math Talk: Equal Expressions	5	18.1	
Population Projections	5	18.2	
Interest Calculations	5	18.3	
Printing Business	5	18.4	
Graph of Which Function?	5	19.1	
Simple and Compound Interests	5	19.2	
Reaching 2,000	5	19.3	
Which One Gets There First?	5	19.4	
Writing Equivalent Expressions	5	20.1	
Outputs of A Linear Function	5	20.2	
Outputs of An Exponential Function	5	20.3	
Increasing Input by One	5	20.4	
Notice and Wonder: Changing Populations	5	21.1	
Population Predictions 1	5	21.2	
Population Predictions 2	5	21.3	
Assessment			

ALGEBRA 1 Unit 6 Unit Dependency: A1.5

Notice and Wonder: Three Tables	6	1.1	
Measuring a Garden	6	1.2	
Plotting the Measurements of the Garden	6	1.3	
100 Meters of Fencing	6	1.4	
Squares in a Figure	6	2.1	
Patterns of Dots	6	2.2	
Expressing a Growth Pattern	6	2.3	
Comparing Types of Growth	6	2.4	
Quadratic Expressions and Area	6	3.1	
Expanding Squares	6	3.2	
Growing Steps	6	3.3	
A Quadratic Function?	6	3.4	
From Least to Greatest	6	4.1	
Which One Grows Faster?	6	4.2	
Comparing Two More Functions	6	4.3	
Comparing $5x^2$ and 2^x	6	4.4	
Notice and Wonder: An Interesting Numerical Pattern	6	5.1	
Falling from the Sky	6	5.2	
Galileo and Gravity	6	5.3	
Where Will It Be?	6	5.4	
Sky Bound	6	6.1	
Tracking a Cannonball	6	6.2	
Graphing Another Cannonball	6	6.3	
Rocket in the Air	6	6.4	
Which One Doesn't Belong: Graphs of Four Functions	6	7.1	
What Price to Charge?	6	7.2	
Domain, Vertex, and Zeros	6	7.3	
Making the Greatest Revenue	6	7.4	
Diagrams of Products	6	8.1	
Drawing Diagrams to Represent More Products	6	8.2	
Using Diagrams to Find Equivalent Quadratic Expressions	6	8.3	
Writing Equivalent Expressions	6	8.4	
Math Talk: Opposites Attract	6	9.1	
Finding Products of Differences	6	9.2	
What is the Standard Form? What is the Factored Form?	6	9.3	
From One Form to Another	6	9.4	
A Linear Equation and Its Graph	6	10.1	
Revisiting Projectile Motion	6	10.2	
Relating Expressions and Their Graphs	6	10.3	
Making Connections	6	10.4	
Mid-Unit Assessment			
Finding Coordinates	6	11.1	
Comparing Two Graphs	6	11.2	
What Do We Need to Sketch a Graph?	6	11.3	
Sketching a Graph	6	11.4	
Matching Graphs to Linear Equations	6	12.1	
Quadratic Graphs Galore	6	12.2	
What Do These Tables Reveal?	6	12.3	
Card Sort: Representations of Quadratic Functions	6	12.4	
Matching Equations and Graphs	6	12.5	
Equivalent Expressions	6	13.1	
What about the Linear Term?	6	13.2	
Writing Equations to Match Graphs	6	13.3	
Sketching Graphs	6	13.4	
A Jumping Frog	6	14.1	
A Catapulted Pumpkin	6	14.2	
Flight of Two Baseballs	6	14.3	
Info Gap: Rocket Math	6	14.4	
Beach Ball Trajectory	6	14.5	
Notice and Wonder: Two Sets of Equations	6	15.1	
A Whole New Form	6	15.2	

Playing with Parameters	6	15.3	
Visualizing A Graph	6	15.4	
Which Form to Use?	6	16.1	
Sharing a Vertex	6	16.2	
Card Sort: Matching Equations with Graphs	6	16.3	
Sketching A Graph	6	16.4	
Graphs of Two Functions	6	17.1	
Shifting the Graph	6	17.2	
A Peanut Jumping over a Wall	6	17.3	
Smiley Face	6	17.4	
Nudging A Graph	6	17.5	
Assessment			

ALGEBRA 1 Unit 7 Unit Dependency: A1.7

What Goes Up Must Come Down	7	1.1	
A Trip to the Frame Shop	7	1.2	
Representing the Framing Problem	7	1.3	
Interpreting a Solution	7	1.4	
How Many Tickets?	7	2.1	
The Flying Potato Again	7	2.2	
Revenue from Ticket Sales	7	2.3	
The Movie Theatre	7	2.4	
How Many Solutions?	7	3.1	
Finding Pairs of Solutions	7	3.2	
Find Both Solutions	7	3.3	
Math Talk: Solve These Equations	7	4.1	
Take the Zero Product Property Out for a Spin	7	4.2	
Revisiting a Projectile	7	4.3	
Solve This Equation!	7	4.4	
Math Talk: Four Equations	7	5.1	
Solving by Graphing	7	5.2	
Finding All the Solutions	7	5.3	
Analyzing Errors in Equation Solving	7	5.4	
Two, One, or None?	7	5.5	
Puzzles of Rectangles	7	6.1	
Using Diagrams to Understand Equivalent Expressions	7	6.2	
Let's Rewrite Some Expressions!	7	6.3	
The Missing Numbers	7	6.4	
Sums and Products	7	7.1	
Negative Constant Terms	7	7.2	
Factors of 100 and -100	7	7.3	
The Missing Symbols	7	7.4	
Math Talk: Products of Large-ish Numbers	7	8.1	
Can Products Be Written as Differences?	7	8.2	
What If There is No Linear Term?	7	8.3	
Can These Be Rewritten in Factored Form?	7	8.4	
Why Would You Do That?	7	9.1	
Let's Solve Some Equations!	7	9.2	
Revisiting Quadratic Equations with Only One Solution	7	9.3	
Conquering More Equations	7	9.4	
Which One Doesn't Belong: Quadratic Expressions	7	10.1	
A Little More Advanced	7	10.2	
Timing A Blob of Water	7	10.3	
Making It Simpler	7	10.4	
How Would You Solve This Equation?	7	10.5	
Mid-Unit Assessment			
The Thing We Are Squaring	7	11.1	
Perfect Squares in Different Forms	7	11.2	
Two Methods	7	11.3	
A Perfect Square	7	11.4	
Perfect or Imperfect?	7	12.1	
Building Perfect Squares	7	12.2	
Dipping Our Toes in Completing the Square	7	12.3	
Make It a Perfect Square	7	12.4	
Math Talk: Equations with Fractions	7	13.1	
Solving Some Harder Equations	7	13.2	
Spot Those Errors!	7	13.3	
How Did We Get Those Solutions?	7	13.4	
Perfect Squares in Two Forms	7	14.1	
Perfect in a Different Way	7	14.2	
When All the Stars Align	7	14.3	
Putting Stars into Alignment	7	14.4	
One More Equation	7	14.5	
Roots of Squares	7	15.1	
Solutions Written as Square Roots	7	15.2	
Finding Irrational Solutions by Completing the Square	7	15.3	

Finding Exact Solutions	7	15.4	
Evaluate It	7	16.1	
Pesky Equations	7	16.2	
Meet the Quadratic Formula	7	16.3	
Solving and Checking	7	16.4	
No Solutions for You!	7	17.1	
The Potato and the Pumpkin	7	17.2	
Back to the Framer	7	17.3	
Tennis Ball Up, Tennis Ball Down	7	17.4	
Bits and Pieces	7	18.1	
Using the Formula with Care	7	18.2	
Sure About That?	7	18.3	
Where Did It Go Wrong?	7	18.4	
Studying Structure	7	19.1	
Complete the Square using a Placeholder	7	19.2	
Decoding the Quadratic Formula	7	19.3	
Step by Step	7	19.4	
Rational or Irrational?	7	20.1	
Suspected Irrational Solutions	7	20.2	
Experimenting with Rational and Irrational Numbers	7	20.3	
What Kind of Solutions?	7	20.4	
Operations on Integers	7	21.1	
Sums and Products of Rational Numbers	7	21.2	
Sums and Products of Rational and Irrational Numbers	7	21.3	
Equations with Different Kinds of Solutions	7	21.4	
Adding Irrational Numbers	7	21.5	
Three Expressions, One Function	7	22.1	
Back and Forth	7	22.2	
Inconvenient Coefficients	7	22.3	
Info Gap: Features of Functions	7	22.4	
Rewrite This Expression	7	22.5	

Values of a Function	7	23.1	
Maximums and Minimums	7	23.2	
All the World's a Stage	7	23.3	
Looking for The Greatest or the Least	7	23.4	
Equations of Two Lines and A Curve	7	24.1	
The Dive	7	24.2	
A Linear Function and A Quadratic Function	7	24.3	
Profit from A River Cruise	7	24.4	
Assessment			