

NO BIG DEAL NBD math program

Presented by the Dyscalculia Training & Research Institute

Algebra 1 Pacing Guide

Use this pacing guide to help you keep track of your work.

<u>Unit</u>	<u>Topic</u>	<u>Goal Date</u>
Unit 1	<u>Week 1, Classify Numbers</u> Classifying Numbers Rational and Irrational Numbers Rational and Irrational Square Roots	
	<u>Week 2, Integers</u> Combine Integers with a Number Line Combine Integers with a Calculator Multiply and Divide Integers Unit 1, Week 3 Test	
	<u>Week 3, Opposites and Absolute Value</u> Opposite Numbers Solving Problems with Opposite Numbers Absolute Value Solve Absolute Value Problems	
	<u>Week 4, Properties</u> Identity Property Commutative Property Associative Property Distributive Property with Variables Distributive Property with Fractions Unit 1, Week 5 Test	
Unit 2	<u>Week 1, Expressions</u> Expressions and Equations Monomials and Polynomials Identify Expressions Parts of an Expression Identify Terms Degree of an Expression	
	<u>Week 2, Word Problems and Expressions</u> Key Words in Word Problems Write Expressions from Word Problems Write Equations from Word Problems Write a System from Word Problems Unit 2, Week 2 Test	
	<u>Week 3, One-Step Equations</u> Solving Addition Problems with Subtraction Solving Subtraction Problems with Addition Solving Multiplication Problems with Division Solving Division Problems with Multiplication	
	<u>Week 4, Two-Step Equations</u> Two-Step Equations with Addition Two-Step Equations with Subtraction	

	Two-Step Equations with Fractions Unit 2, Week 4 Test	
	<u>Week 5, Like Terms</u> Combine Like Terms Solve Equations with Like Terms Solve Equations with Variables on Two Sides Solve Equations with Multiple Steps	
	<u>Week 6, Solving Inequalities</u> Inequality Signs Review Inequalities on Number Lines One-Step Inequalities Two-Step Inequalities Unit 2, Week 6 Test	
Unit 3	<u>Week 1, Graphs</u> Graphs of Linear Equations Graph Linear Inequalities Quadratic, Cubic, and Quartic Functions Absolute Value, Rational, and Root Functions	
	<u>Week 2, Literal Equations</u> Literal Equations, Part 1 Literal Equations, Part 2 Literal Equations, Part 3 Unit 3, Week 2 Test	
	<u>Week 3, Linear Graphs</u> Key Features of Linear Graphs Writing Linear Equations Linear Equations and Word Problems	
	<u>Week 4, Linear Equations</u> Slope-Intercept Form Writing a Linear Equation Identify the Slope and y-Intercept Standard Form to Slope-Intercept Form Unit 2, Week 4 Test	
	<u>Week 5, Graph a Linear Equation</u> Identify Slope and y-Intercept from a Graph Graph the y-intercept and Follow the Slope Match a Graph to an Equation Write in Slope-Intercept Form and Graph	
	<u>Week 6, Slope</u> Slope Formula Finding Slope From a Graph Finding Slope From Ordered Pairs Equation of a Line from Word Problems Unit 3, Week 4 Test	
	<u>Week 7, Functions</u> Identify Functions from a Graph Identify Functions from a Table Identify Functions from Ordered Pairs	
	<u>Week 8, Parallel & Perpendicular Lines</u> Equations of Parallel Lines Point-Slope Form for Parallel Lines Equations of Perpendicular Lines Point-Slope Form for Perpendicular Lines Unit 3, Week 6 Test	
Unit 4	<u>Week 1, Writing Equations</u>	

	Write Equations from Word Problems Write a System of Equations from Word Problems Write a System of Inequalities	
	<u>Week 2, System of Equations</u> Graph a System of Equations Solve a System of Equations by Graphing Solve a System of Inequalities by Graphing Unit 4, Week 2 Test	
	<u>Week 3, Solving a System</u> Solve a System with Elimination Solve a System with Elimination (Advanced) Substitution Solve a System with Substitution	
Unit 5	<u>Week 1, Exponents</u> Bases and Exponents Exponents and Expanded Form The Value of Exponents The Zero Power	
	<u>Week 2, Roots and Radicals</u> Square Roots Cube Roots Approximate Roots Negative Exponents Unit 5, Week 2 Test	
	<u>Week 3, Laws of Exponents</u> Multiply Bases Divide Bases Power to a Power Simplify Radicals Add and Subtract Radicals Multiply and Divide Radicals	
	<u>Week 4, Scientific Notation</u> Scientific Notation Scientific Notation with Large Numbers Scientific Notation with Decimals Adding and Subtracting with Scientific Notation Multiplying and Dividing with Scientific Notation Unit 5, Week 4 Test	
	<u>Week 5, Interest</u> Simple Interest Formula Find the Principle, Rate, or Time Compound Interest Formula Find Compound Interest	
Unit 6	<u>Week 1, Operations with Polynomials</u> Add Polynomials Subtract Polynomials Multiply Monomials Multiply Polynomials	
	<u>Week 2, FOIL Binomials</u> FOIL Method FOIL Special Patterns FOIL when $a > 1$ Unit 6, Week 2 Test	
	<u>Week 3, Factor Polynomials</u> Factor GCF	

	Factor Polynomials Factor Special Patterns Factor when $a > 1$	
Unit 7	<u>Week 1, Key Features of Quadratics</u> Vertex and Axis of Symmetry Maximum or Minimum Roots or Solutions Graph from Key Features Is the x-value a Solution?	
	<u>Week 2, The Quadratic Formula</u> The Quadratic Formula Solve with the Quadratic Formula Solve for Irrational Roots with the Quadratic Formula	
Unit 8	<u>Week 1, Measures of Central Tendency</u> Range, Mean, Median, Mode Read a Box Plot Create a Box Plot Histograms	
	<u>Week 2, Scatter Plots</u> Scatter Plots and Correlations Equations and Scatter Plots	
	<u>Week 3, Probability</u> Probability with Cards or Dice Probability with Spinners and Word Problems Probability	
	<u>Week 4, Semester Two Review</u> Semester Two Review Semester Two Exam	