

PH Math Common Core Algebra 1 Skills

Report from Monday, August 12, 2019 to Thursday, May 14, 2020

Show Standards Covered

<i>Foundation of Algebra Pacing Guide</i>	<i>Title</i>	<i>Type</i>	<i>Date</i>
Ch. 1: Foundations For Algebra			
- 1-1: Variables and Expressions	Variables and Expressions	Lesson Plan	08/13/19
- 1-2: Order of Operations and Evaluating Expressions	Order of Operations and Evaluating Expressions	Lesson Plan	08/14/19
- 1-3: Real Numbers and the Number Line	Real Numbers and the Number Line	Lesson Plan	08/15/19
- 1-4: Properties of Real Numbers	Properties of Real Numbers	Lesson Plan	08/16/19
- 1-5: Adding and Subtracting Real Numbers	Adding and Subtracting Real Numbers	Lesson Plan	08/20/19
- 1-6: Multiplying and Dividing Real Numbers	Multiplying and Dividing Real Numbers	Lesson Plan	08/21/19
- 1-7: The Distributive Property	The Distributive Property	Lesson Plan	08/22/19
- 1-8: An Introduction to Equations and Solutions	An Introduction to Equations	Lesson Plan	08/23/19
- 1-9: Patterns, Equations, and Graphs	Patterns Equations and Graphs	Lesson Plan	08/26/19
Ch. 2: Solving Equations			
- 2-1: Solving One-Step Equations	Solving One-Step Equations	Lesson Plan	08/29/19
- 2-2: Solving Two-Step Equations	Solving Two-Step Equations	Lesson Plan	08/30/19

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- 2-3: Solving Multi-Step Equations	Solving Multi-Step Equations	Lesson Plan	09/03/19
- 2-4: Solving Equations With Variables on Both Sides	Solving Equations With Variables on Both Sides	Lesson Plan	09/04/19
- 2-5: Literal Equations and Formulas	Literal Equations and Formulas	Lesson Plan	09/05/19
- 2-6: Ratios, Rates, and Conversions	Ratios Rates and Conversions	Lesson Plan	09/09/19
- 2-7: Solving Proportions	Solving Proportions	Lesson Plan	09/10/19
- 2-8: Proportions and Similar Figures	Proportions and Similar Figures	Lesson Plan	09/11/19
- 2-9: Percents	Percents	Lesson Plan	09/12/19
- 2-10: Change Expressed as a Percent	Change Expressed as a Percent	Lesson Plan	09/13/19
Ch. 3: Solving Inequalities			
- 3-1: Inequalities and Their Graphs	Inequalities and Their Graphs	Lesson Plan	09/18/19
- 3-2: Solving Inequalities Using Addition or Subtraction	Solving Inequalities Using Addition or Subtraction	Lesson Plan	09/19/19
- 3-3: Solving Inequalities Using Multiplication or Division	Solving Inequalities Using Multiplication or Division	Lesson Plan	09/20/19
- 3-4: Solving Multi-Step Inequalities	Solving Multi-Step Inequalities	Lesson Plan	09/23/19
- 3-5: Working with Sets	Working with Sets	Lesson Plan	09/25/19
- 3-6: Compound Inequalities	Compound Inequalities	Lesson Plan	09/26/19
- 3-7: Absolute Value Equations and Inequalities	Absolute Value Equations and Inequalities	Lesson Plan	09/27/19

- 3-8: Unions and Intersections of Sets	Unions and Intersections of Sets	Lesson Plan	10/07/19
Ch. 4: An Introduction to Functions			
- 4-1: Using Graphs to Relate Two Quantities	Using Graphs to Relate Two Quantities	Lesson Plan	10/10/19
- 4-2: Patterns and Linear Functions	Patterns and Linear Functions	Lesson Plan	10/11/19
- 4-3: Patterns and Nonlinear Functions	Patterns and Nonlinear Functions	Lesson Plan	10/15/19
- 4-4: Graphing a Function Rule	Graphing a Function Rule	Lesson Plan	10/17/19
- 4-5: Writing a Function Rule	Writing a Function Rule	Lesson Plan	10/18/19
- 4-6: Formalizing Relations and Functions	Formalizing Relations and Functions	Lesson Plan	10/21/19
- 4-7: Sequences and Functions	Arithmetic Sequences	Lesson Plan	10/22/19
Ch. 5: Linear Functions			
- 5-1: Rate of Change and Slope	Rate of Change and Slope	Lesson Plan	10/25/19
- 5-2: Direct Variation	Direct Variation	Lesson Plan	10/28/19
- 5-3: Slope-Intercept Form	Slope-Intercept Form	Lesson Plan	10/29/19
- 5-4: Point-Slope Form	Point-Slope Form	Lesson Plan	10/30/19
- 5-5: Standard Form	Standard Form	Lesson Plan	11/01/19
- 5-6: Parallel and Perpendicular Lines	Parallel and Perpendicular Lines	Lesson Plan	11/04/19
- 5-7: Scatter Plots and Trend Lines	Scatter Plots and Trend Lines	Lesson Plan	11/05/19
- 5-8: Graphing Absolute Value Functions	Graphing Absolute Value Functions	Lesson Plan	11/06/19
Ch. 6: Systems of Linear Equations and Inequalities			

- 6-1: Solving Systems by Graphing	Solving Systems by Graphing	Lesson Plan	11/11/19
- 6-2: Solving Systems Using Substitution	Solving Systems Using Substitution	Lesson Plan	11/12/19
- 6-3: Solving Systems Using Elimination	Solving Systems Using Elimination	Lesson Plan	11/13/19
- 6-4: Applications of Linear Systems	Applications of Linear Systems	Lesson Plan	11/14/19
- 6-5: Linear Inequalities	Linear Inequalities	Lesson Plan	11/18/19
- 6-6: Systems of Linear Inequalities	Systems of Linear Inequalities	Lesson Plan	11/19/19
Ch. 7: Exponents and Exponential Functions			
- 7-1: Zero and Negative Exponents	Zero and Negative Exponents	Lesson Plan	11/22/19
- 7-2: Multiplying Powers With the Same Base	Multiplying Powers With the Same Base	Lesson Plan	12/02/19
- 7-3: More Multiplication Properties of Exponents	More Multiplication Properties of Exponents	Lesson Plan	12/03/19
- 7-4: Division Properties of Exponents	Division Properties of Exponents	Lesson Plan	12/04/19
- 7-5: Rational Exponents and Radicals	Rational Exponents and Radicals	Lesson Plan	12/06/19
- 7-6: Exponential Functions	Exponential Functions	Lesson Plan	12/09/19
- 7-7: Exponential Growth and Decay	Exponential Growth and Decay	Lesson Plan	12/10/19
- 7-8: Geometric Sequences	Geometric Sequence	Lesson Plan	12/11/19
Ch. 8: Polynomials and Factoring			
- 8-1: Adding and Subtracting Polynomials	Adding and Subtracting Polynomials	Lesson Plan	01/07/20

- 8-2: Multiplying and Factoring	Multiplying and Factoring	Lesson Plan	01/08/20
- 8-3: Multiplying Binomials	Multiplying Binomials	Lesson Plan	01/09/20
- 8-4: Multiplying Special Cases	Multiplying Special Cases	Lesson Plan	01/10/20
- 8-5: Factoring $x^2 + bx + c$	Factoring $x^2 + bx + c$	Lesson Plan	01/14/20
- 8-6: Factoring $ax^2 + bx + c$	Factoring $ax^2 + bx + c$	Lesson Plan	01/15/20
- 8-7: Factoring Special Cases	Factoring Special Cases	Lesson Plan	01/16/20
- 8-8: Factoring by Grouping	Factoring by Grouping	Lesson Plan	01/17/20
Ch. 9: Quadratic Functions and Equations			
- 9-1: Quadratic Graphs and Their Properties	Quadratic Graphs and Their Properties	Lesson Plan	01/23/20
- 9-2: Quadratic Functions	Quadratic Functions	Lesson Plan	01/24/20
- 9-3: Solving Quadratic Equations	Solving Quadratic Equations	Lesson Plan	01/27/20
- 9-4: Factoring to Solve Quadratic Equations	Factoring to Solve Quadratic Equations	Lesson Plan	01/28/20
- 9-5: Completing the Square	Completing the Square	Lesson Plan	01/30/20
- 9-6: The Quadratic Formula and the Discriminant	The Quadratic Formula and the Discriminant	Lesson Plan	01/31/20
- 9-7: Linear, Quadratic, and Exponential Models	Linear Quadratic and Exponential Models	Lesson Plan	02/03/20
- 9-8: Systems of Linear and Quadratic Equations	Systems of Linear and Quadratic Equations	Lesson Plan	02/04/20
Ch. 10: Radical Expressions and Equations			
- 10-1: The Pythagorean Theorem	The Pythagorean Theorem	Lesson Plan	02/07/20

- 10-2: Simplifying Radicals	Simplifying Radicals	Lesson Plan	02/10/20
- 10-3: Operations with Radical Expressions	Operations With Radical Expressions	Lesson Plan	02/11/20
- 10-4: Solving Radical Equations	Solving Radical Equations	Lesson Plan	02/13/20
- 10-5: Graphing Square Root Functions	Graphing Square Root Functions	Lesson Plan	02/14/20
- 10-6: Trigonometric Ratios	Trigonometric Ratios	Lesson Plan	02/18/20
Ch. 11: Rational Expressions and Functions			
- 11-1: Simplifying Rational Expressions	Simplifying Rational Expressions	Lesson Plan	02/21/20
- 11-2: Multiplying and Dividing Rational Expressions	Multiplying and Dividing Rational Expressions	Lesson Plan	02/24/20
- 11-3: Dividing Polynomials	Dividing Polynomials	Lesson Plan	02/25/20
- 11-4: Adding and Subtracting Rational Expressions	Adding and Subtracting Rational Expressions	Lesson Plan	02/26/20
- 11-5: Solving Rational Equations	Solving Rational Equations	Lesson Plan	02/28/20
- 11-6: Inverse Variation	Inverse Variation	Lesson Plan	03/16/20
- 11-7: Graphing Rational Functions	Graphing Rational Functions	Lesson Plan	03/17/20
Ch. 12: Data Analysis and Probability			
- 12-1: Organizing Data Using Matrices	Organizing Data Using Matrices	Lesson Plan	03/20/20
- 12-2: Frequency and Histograms	Frequency and Histograms	Lesson Plan	03/23/20
- 12-3: Measures of Central Tendency and Dispersion	Measures of Central Tendency and Dispersion	Lesson Plan	03/24/20
- 12-4: Box-and-Whisker Plots	Box-and-Whisker Plots	Lesson Plan	03/25/20

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- 12-5: Samples and Surveys	Samples and Surveys	Lesson Plan	03/26/20
- 12-6: Permutations and Combinations	Permutations and Combinations	Lesson Plan	03/30/20
- 12-7: Theoretical and Experimental Probability	Theoretical and Experimental Probability	Lesson Plan	03/31/20
- 12-8: Probability of Compound Events	Probability of Compound Events	Lesson Plan	04/01/20