

Table of Contents

Note: The letters and numbers in parentheses following the activity name reference specific Common Core State Standards for Mathematics addressed by the activity.

- 1 Order of Operations
- 2 Evaluating Algebraic Expressions
- 3 Solving Simple Equations (6.EE.7)
- 4 Word Expressions to Algebraic Expressions (6.EE.2)
- 5 Solving Word Problems (7.EE.4)
- 6 Adding Signed Numbers (7.NS.1)
- 7 Subtracting Signed Numbers (7.NS.1)
- 8 Multiplying Signed Numbers (7.NS.2)
- 9 Dividing Signed Numbers (7.NS.2)
- 10 Adding and Subtracting Monomials (6.EE.3)
- 11 Multiplying Signed Numbers and Monomials
- 12 Multiplying Monomials
- 13 Dividing Monomials
- 14 Evaluating Expressions of One Variable (6.EE.2)
- 15 Evaluating Expressions of Two Variables
- 16 Multiplying Monomials and Binomials (7.EE.1)
- 17 Solving Equations with the Variable on One Side (6.EE.7)
- 18 Solving Equations with the Variable on Both Sides
- 19 Writing Algebraic Expressions from Word Expressions (6.EE.2)
- 20 Solving for an Unknown Number in a Word Sentence (7.EE.4)
- 21 Solving Word Problems (7.EE.4)
- 22 Solving Inequalities (A-REI 3)
- 23 Solving More Inequalities (A-REI 3)
- 24 Solving Word Problems with Inequalities (7.EE.4)
- 25 Absolute Values
- 26 Factoring Binomials
- 27 Miscellaneous Factoring
- 28 Multiplying and Dividing Monomials (8.EE.1; N-RN 2)
- 29 Simplifying Fractions with Monomial Terms (8.EE.1; N-RN 2)
- 30 Simplifying Radicals (N-RN 2)
- 31 Adding and Subtracting Radicals (N-RN 2)
- 32 Multiplying Radicals (N-RN 2)

- 33 Simplifying Rational Expressions (*A-APR 7*)
- 34 Adding and Subtracting Fractions with Monomial Terms (*A-APR 7*)
- 35 Multiplying and Dividing Fractions with Monomial Terms (*A-APR 7*)
- 36 Adding and Subtracting Rational Expressions (*A-APR 1; A-APR 7*)
- 37 Multiplying and Dividing Rational Expressions (*A-APR 1; A-APR 7*)
- 38 Interpreting Linear Graphs (*A-REI 10*)
- 39 Interpreting Quadratic Graphs (*A-REI 10*)
- 40 Interpreting Absolute Value Graphs (*A-REI 10*)
- 41 Solving Simultaneous Linear Equations (*8.EE.8*)
- 42 Finding the Next Missing Term in a Sequence

Solution Key (See pages following Activity 42.)