

1. Record Nr.	UNINA9910460968103321
Autore	Muschla Judith A.
Titolo	Teaching the common core math standards with hands-on activities, grades 9-12 / / Judith A. Muschla, Gary Robert Muschla, Erin Muschla-Berry
Pubbl/distr/stampa	San Francisco, California : , : Jossey-Bass, , 2015 ©2015
ISBN	1-119-06220-9
Descrizione fisica	1 online resource (315 p.)
Disciplina	510.71/273
Soggetti	Mathematics - Study and teaching (Middle school) Mathematics - Study and teaching (Secondary) Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Jossey-Bass Teacher"--Cover. Includes index.
Nota di contenuto	Cover; Title Page; Copyright; About This Book; About the Authors; Acknowledgments; Contents; Section 1:Standards and Activities for Number and Quantity; The Real Number System; N-RN.1; Activity: Understanding Integer and Rational Exponents; N-RN.2; Activity: Finding the Values of Expressions; N-RN.3; Activity: Sums and Properties of Rational and Irrational Numbers; Quantities; N-Q.1; Activity: A Recommendation for the Boss; N-Q.2; Activity: Defining Appropriate Quantities; N-Q.3; Activity: Determining Levels of Accuracy in Measurement; The Complex Number System; N-CN.1 Activity: Classifying Complex NumbersN-CN.2; Activity: Operations with Complex Numbers; N-CN.7; Activity: Matching Roots; N-RN.1: The Meaning of Rational Exponents; N-RN.2: Equations and Their Values; N-RN.3: Proving the Sum of Two Rational Numbers Is Rational; N-RN.3: Proving the Sum of Rational and Irrational Numbers Is Irrational; N-Q.2: Defining Appropriate Quantities for Problem Solving; N-CN.1: Graphic Organizer for Complex Numbers; N-CN.2: Complex Number Cards-Solutions and Problems; N-CN.7: Quadratic Equations and Their Roots; Section 2:Standards and Activities for Algebra

Seeing Structure in ExpressionsA-SSE.1; Activity: Interpreting Expressions; A-SSE.2; Activity: Rewriting Expressions; A-SSE.3; Activity: Expressions and Equivalent Forms; A-SSE.4; Activity: Deriving a Formula; Arithmetic with Polynomials and Rational Expressions; A-APR.1; Activity: Pick the Polynomial; A-APR.2; Activity: Solving a Division Puzzle; A-APR.3; Activity: Matching Functions, Graphs, and Zeroes of a Function; A-APR.4; Activity: Proving the Polynomial Identity; A-APR.6; Activity: Mistakes in Rational Expressions; Creating Equations; A-CED.1 Activity: Creating Equations and InequalitiesA-CED.2; Activity: Creating and Graphing Equations; A-CED.3; Activity: Pricing T-Shirts; A-CED.4; Activity: Rearranging Formulas and Equations; Reasoning with Equations and Inequalities; A-REI.1; Activity: Organizing the Steps for Solving Equations; A-REI.2; Activity: Solving Equations; A-REI.3; Activity: What's the Solution?; A-REI.4; Activity: Racing to Solve Quadratic Equations; A-REI.5; Activity: Solving a System of Equations; A-REI.6; Activity: Solving Systems in Many Ways; A-REI.7; Activity: Solving Systems of Equations; A-REI.10 Activity: Tracing EquationsA-REI.11; Activity: Selecting Pairs of Equations with the Same Solutions; A-REI.12; Activity: Identifying Solutions through Graphing; A-SSE.1: The Expressions Game; A-SSE.2: Identifying and Rewriting Expressions; A-SSE.3: Expressions and Equivalent Forms Cards; A-SSE.4: Identifying Errors in a Derived Formula; A-APR.1: Polynomial Cards; A-APR.2: Polynomial Division Cards; A-APR.3: Finding Your Match, I; A-APR.3: Finding Your Match, II; A-APR.6: Correcting Mistakes in Rational Expressions; A-CED.1: Which One Does Not Belong? A-CED.2: Word Problems, Equations, and Graphs

Sommario/riassunto

Bring Common Core Math into high school with smart, engaging activities Teaching Common Core Math Standards with Hands-On Activities, Grades 9-12 provides high school teachers with the kind of help they need to begin teaching the standards right away. This invaluable guide pairs each standard with one or more classroom-ready activities and suggestions for variations and extensions. Covering a range of abilities and learning styles, these activities bring the Common Core Math Standards to life as students gain fluency in math communication and develop the skillset they need to tackle successiv
