

N-GEN MATH™ 6

BY KIRK WEILER

UNIT #1 – THE WHOLE NUMBERS 11

- Lesson 1 – Whole Number Multiplication
- Lesson 2 – Multiples of Whole Numbers
- Lesson 3 – Division of Whole Numbers
- Lesson 4 – Multidigit Multiplication and Division
- Lesson 5 – Factoring and Prime Numbers
- Lesson 6 – Prime Factoring
- Lesson 7 – Greatest Common Factors
- Lesson 8 – Turning Sums into Products

UNIT #2 – FRACTIONS 53

- Lesson 1 – Fractions and Mixed Numbers
- Lesson 2 – Equivalent Fractions
- Lesson 3 – Fractions and Division
- Lesson 4 – Adding and Subtracting Fractions
- Lesson 5 – Multiplying Fractions by Whole Numbers
- Lesson 6 – Finding a Fraction of a Whole
- Lesson 7 – Multiplying Fractions
- Lesson 8 – Dividing Fractions
- Lesson 9 – More Work Dividing Fractions



UNIT #3 – DECIMALS 99

- Lesson 1 – The Base-Ten Number System
- Lesson 2 – Adding and Subtracting Decimals
- Lesson 3 – Multiplying Decimals
- Lesson 4 – More Work Multiplying Decimals
- Lesson 5 – Dividing Whole Numbers with Decimal Remainders
- Lesson 6 – Dividing Decimals
- Lesson 7 – More Practice Dividing Decimals
- Lesson 8 – Mixed Up Decimal Practice

UNIT #4 – NEGATIVE NUMBERS 139

- Lesson 1 – Ordering the Positive Numbers
- Lesson 2 – Introduction to Negative Numbers
- Lesson 3 – Ordering the Rational Numbers
- Lesson 4 – The Absolute Value of a Number
- Lesson 5 – Plotting Points in the Coordinate Plane
- Lesson 6 – More Work in the Coordinate Plane

UNIT #5 – ALGEBRAIC EXPRESSIONS 171

- Lesson 1 – Exponents
- Lesson 2 – Order of Operations
- Lesson 3 – Variables and Algebraic Expressions
- Lesson 4 – Parts of an Algebraic Expression
- Lesson 5 – Equivalent Expressions
- Lesson 6 – More Work with Equivalent Expressions



UNIT #6 – EQUATIONS AND INEQUALITIES 205

- Lesson 1 – Equations and Their Solutions
- Lesson 2 – Solving One Step Equations with Addition and Subtraction
- Lesson 3 – Solving One Step Equations with Multiplication and Division
- Lesson 4 – Messy Equations
- Lesson 5 – Translating into Math Equations
- Lesson 6 – Solutions to Inequalities
- Lesson 7 – Translating Phrases into Inequalities

UNIT #7 – RATIOS AND RATES 243

- Lesson 1 – Introduction to Ratios
- Lesson 2 – Using Tables to Solve Ratio Problems
- Lesson 3 – Equivalent Ratios
- Lesson 4 – Investigating Ratios Using Tape Diagrams
- Lesson 5 – Ratios as Fractions
- Lesson 6 – Ratios and Unit Rates
- Lesson 7 – More Work with Rates
- Lesson 8 – Converting Units
- Lesson 9 – Variables Related by Rates

UNIT #8 – PERCENT 289

- Lesson 1 – Introduction to Percent
- Lesson 2 – Percent and Equivalent Ratios
- Lesson 3 – Finding Percent Using a Product
- Lesson 4 – Everyday Percent Problems



UNIT #9 – AREA 313

- Lesson 1 – The Area of a Rectangle
- Lesson 2 – The Area of a Triangle
- Lesson 3 – Trapezoids and Their Areas
- Lesson 4 – Parallelograms
- Lesson 5 – Perimeter, Area, and Algebra

UNIT #10 – SOLIDS 343

- Lesson 1 – Types of Solids
- Lesson 2 – Volumes of Right Rectangular Prisms
- Lesson 3 – Surface Area
- Lesson 4 – Modeling with Volume and Surface Area

UNIT #11 – STATISTICS 367

- Lesson 1 – Statistical Questions
- Lesson 2 – Populations and Samples
- Lesson 3 – Displaying Data in Histograms
- Lesson 4 – Measuring the Center of a Data Set
- Lesson 5 – Variation in a Data Set
- Lesson 6 – Data Distribution Shapes
- Lesson 7 – Outliers
- Lesson 8 – Sampling a Population



UNIT #12 – PROBABILITY 413

- Lesson 1 – Measuring Chance with Ratios
- Lesson 2 – Predicting Outcomes
- Lesson 3 – Probability and Percent
- Lesson 4 – Nonuniform Probabilities

TOTAL LESSON COUNT = 78



