



# ModuMath

## Basic Math and Algebra

### Basic Math

1.1	Naming Whole Numbers	3.5	Dividing Decimals
1.2	The Number Line	3.6	Changing Fractions to Decimals
1.3	Adding Whole Numbers - 1-digit	3.7	Square Roots
1.4	Adding Whole Numbers - more than 1 digit	4.1	Percent
1.5	Subtracting Whole Numbers	4.2	Percent in Word Problems
1.6	Understanding multiplication	4.3	More Problems in Percent
1.7	Multiplying Whole Numbers – Basic facts	5.1	Signed Numbers (positives & negatives)
1.8	Multiplying Larger Whole Numbers	5.2	Adding Signed Numbers
1.9	Exponents	5.3	Subtracting Signed Numbers
1.10	Dividing Whole Numbers – Basic facts	5.4	Multiplying Signed Numbers
1.11	Dividing Whole Numbers – Long division	5.5	Dividing Signed Numbers
1.12	Word Problems	5.6	Signed Fractions
1.13	Solving Equations – Introduction to variables	5.7	Negative Exponents
1.14	Prime Numbers	6.1	Measurement and Unit Conversion
2.1	Introducing Fractions	6.2	The Metric System
2.2	Renaming/Reducing Fractions	6.3	Length
2.3	Adding Fractions with the Same Denominator	6.4	Perimeter & Circumference
2.4	Adding Fractions with Different Denominators	6.5	Area and Volume
2.5	Subtracting Fractions	6.6	Fluid Volume
2.6	Multiplying Fractions	6.7	Weight and Temperature
2.7	Dividing Fractions	6.8	Numbers with More Than One Unit - (such as hour & minute)
2.8	Ratio and Proportion	6.9	Angles
3.1	Understanding Decimals	6.10	Triangles
3.2	Adding and Subtracting Decimals	6.11	Interpreting Graphs
3.3	Rounding Numbers	6.12	Mean, Median and Mode
3.4	Multiplying Decimals		

### Algebra

1	Getting Acquainted with Algebra	18	Systems of Equations – Story problems
2	Order of Operations	19	Exponents
3	Adding and Subtracting Algebraic Expressions	20	Factoring – Greatest Common Factor
4	Multiplying Polynomials/FOIL	21	Factoring – Perfect square & difference of 2 squares
5	The Laws of Algebra	22	Factoring – Trinomials
6	Solving 1-Step Equations	23	Roots and Radicals
7	Solving 2-Step Equations	24	Roots and Radicals – Add, subtract, multiply, divide
8	Using Equations to Solve Problems	25	Quadratic Equations Intro
9	Solving Practical Problems	26	Quadratic Equations – Quadratic formula
10	Inequalities ( $<$ , $>$ , $\leq$ , $\geq$ )	27	Rational Expressions – Multiply & divide
11	Linear Equations and Graphs - Introduction	28	Rational Expressions – Add, subtract, & complex fractions
12	Linear Equations and Graphs - Slope		
13	Linear Equations and Graphs – Slope-intercept	29	Rational Expressions - Equations
14	Linear Equations – Find equation of a line	30	Rational Expressions – Work, time/distance problems
15	Systems of Equations – Graphing & substitution		
16	Systems of Equations – Elimination, basic	31	The Pythagorean Theorem
17	Systems of Equations – Elimination, complex	32	Proportion and Direct & Indirect Variation