MathMedia®
Unlocking the Mystery of Math
Educational Software, Inc.

SYLLABUS   **COMPLETE INTERACTIVE FLEXIBLE LEARNING SYSTEM**

Basic Math Series

The Basic Math course covers the standards for fractions, decimals, percents, and an introduction to Algebra and Geometry. This is the math curriculum for Grade 4 through adult education courses. It is generally used for upper elementary students, middle school math students through adult students returning to their math education. It is appropriate across all age groups who need to learn these basic math skills. Even younger elementary math students will be able to learn from the early sections.

Fraction Basics

(1) What Is a Fraction?
(2) Equivalent Fractions
(3) Reduce to Lowest Terms
(4) Lowest Common Denominator (LCD)
(5) Comparing Fractions
(6) Convert Improper Fraction to Mixed Fraction
(7) Convert Mixed Fraction to Improper Fraction
(8) Graphing Fractions
(9) Convert to a Decimal
(10) What Is a Ratio?
(11) What Is a Proportion?
(12) Adding Fractions
(13) Subtracting Fractions
(14) Multiplying Fractions
(15) Dividing Fractions
(16) Fractions of Numbers
(17) Operations on Mixed Numbers
Measurement Basics
TEST A
TEST B

Decimal Basics

(1) Place Value
(2) Writing Decimals
(3) Reading From a Graph
(4) Least to Greatest/Comparing Decimals
(5) Rounding Decimals/Estimating
(6) Convert Decimal to Fraction
(7) Compare Decimals to Fractions
(8) Adding Decimals
(9) Subtracting Decimals
(10) Multiplying Decimals
(11) Dividing Decimals
(12) Powers of Ten / Scientific Notation
(13) Rational and Irrational Numbers
(14) Word Problems
TEST A
TEST B

Percent Basics

(1) What Is A Percent?
(2) Type 1 Problems
(3) Type 2 Problems
(4) Type 3 Problems
(5) Calculate Grades
(6) Sports
(7) Nutrition
(8) Discounts
(9) Circle Graphs
(10) Increase & Decrease
(11) Geography
(12) Political Polls
(13) Stock Market
TEST A
TEST B

Algebra Basics

Signed Numbers
Order of Operations
Variables
Properties
Expressions
Equations
Exponents
Square Roots
Sets
Probability
Charts and Graphs
Challenge Questions
TEST A
TEST B

Geometry Basics

Points, Lines, Angles
Perpendicularity
Parallel Lines
Triangle Sum
Similarity
Right Triangles
Circles
Quadrilaterals
Perimeter & Area
Volume
Coordinate Geometry
Mean / Median / Mode
Vocabulary
TEST A
TEST B

Word Problem Program

Practice for Standardized Tests

LEARNING FEATURES

- Easy to Use
- On Demand Audio
- Plenty of Practice Screens
- Quizzes for each learning section
- Pre-Tests, Post-Tests
- Score reporting to included database
- Bookmarking

PREREQUISITES

Arithmetic and Basic Reading Comprehension

DELIVERY METHODS

- Online Subscription for all devices
- Downloadable for Windows
- CD for Windows