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## ★ LIFE OF FRED MATH

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### IMPORTANT NOTE:

Designed to make your child **THINK!** and to learn on their own. It does not give step-by-step directions and answers to every question. They learn to apply to current questions the concepts previously taught. Upon completion they will understand how math works, why it works, and how to apply it. They will know the formulas and how to apply them in real-life situations, not just situations created for a textbook. This program relies heavily on reading comprehension and thinking, not rote spoon-fed learning that is quickly forgotten. Parents can learn these novel methods along with the student, but should not try to integrate the traditional rote/memorization methods.

### **Life of Fred: Fractions** (Plus Pre-Algebra & more) #LOFF - \$24.47

After you know your addition and multiplication tables, you are ready for Life of Fred: Fractions. It covers the first half of pre-algebra including: Cardinal and ordinal numbers, Diameter and Radius, Everything about Fractions, Roman Numerals, Lines of Symmetry, Division by Zero, Circumference, Mixed Numbers, Commutative Law, Functions and Inverse Functions, Unit Analysis, and Beginning Geometry. And much more . . . (answers included) With this book plus Decimals & Percents and you are ready for algebra.

### **Life of Fred: Decimals and Percents** LOFDP - \$24.47

The second half of pre-algebra (after Life of Fred: Fractions). After this book you are ready for algebra. This book covers the second half of pre-algebra including: Number Systems, Pi, Sets, Ordered Pairs, Why Set Theory is the Basis for Arithmetic, Rounding, Everything about Decimals, Two Definitions of Function, Rules of Divisibility, Bar Graphs, Two Conjectures of Goldbach, Pie Charts, Everything about Percents, Ratios, Graphing, and Probability. And much more. Answers included. (Pre-Algebra & more)

### **Life of Fred: Beginning Algebra**

#LOFBA Textbook . . . . . \$37.27

#LOFBAC Companion . . . . . \$17.97

Covers all of beginning algebra including: Numbers, Integers, Equations, Motion & Mixture, Two Unknowns, Exponents, Factoring, Fractions, Square Roots, Quadratic Equations, Functions & Slope, Inequalities & Absolute Value. And much more . . . (Answers in companion guide)

### **Life of Fred: Advanced Algebra**

#LOFAA Textbook . . . . . \$37.27

#LOFAAC Companion . . . . . \$17.97

Covers all of advanced algebra including: Ratio, Proportion & Variation, Radicals, Logarithms, Graphing, Systems of Equations, Conics, Functions, Linear Programming, Partial Fractions, Math Induction, Sequences, Series, Matrices, Permutations & Combinations, and more. . . (Answers in companion guide)

### **Life of Fred: Geometry**

#LOFG Textbook . . . . . \$49.97  
#LOFGA Answer Key. . . . . \$ 7.97

Covers all of geometry including: Points and Lines, Angles, Triangles, Parallel Lines, Perpendicular Lines, Quadrilaterals, Area, Similar Triangles, Symbolic Logic, Right Triangles, Circles, Constructions (46 of them!) Non-Euclidean Geometry, Solid Geometry, Geometry in Four Dimensions, Coordinate Geometry, Flawless (Modern) Geometry with lots of proofs (which is the heart of geometry) throughout the book. And much more.

### **Life of Fred: Trigonometry**

#LOFT Textbook. . . . . \$37.27  
#LOFTC Companion Guide. . . . . \$17.97

All of trigonometry including. . . Sines, Cosines and Tangents, Graphing, Significant Digits, Trig Functions of Any Angle, Factoring, Trig Identities, Graphing  $y = a \sin (bx + c)$ , Radian Measurement, Conditional Trig Equations, Functions of Two Angles, Oblique Triangles, Inverse Trig Functions, Polar Coordinates, Polar Form of Complex Numbers, and much more. . . (Answers in companion guide)

### **Life of Fred: Calculus**

#LOFC Textbook. . . . . \$49.97  
#LOFCA Answer Key. . . . . \$7.97

All 15 or 16 units of college calculus including. . . Functions, Limits, Speed, Slope, Derivatives, Concavity, Trig, Related Rates, Curvature, Integrals, Area, Work, Centroids, Logs, Conics, Infinite Series, Solids of Revolution, Polar Coordinates, Hyperbolic Trig, Vectors, Partial Derivatives, Double Integrals, Vector Calculus, Differential Equations. And much more. . .

### **Life of Fred: Statistics**

#LOFS Textbook. . . . . \$49.97  
#LOFSA Answer Key. . . . . \$7.97

More statistics than is usually taught in a college course. Descriptive statistics (averages, measures of dispersion, types of distributions), Probability, Bayes' Theorem, From a Given Population Determine What Samples Will Look Like (7 tests), Techniques of Sampling, From a Given Sample Determine What the Population Was (14 tests), Determine Whether Two Given Samples Came From the Same Population (15 tests), Working With Three or More Samples (10 tests), Emergency Statistics Guide, Regression Equations, Field Guide, 16 Tables and much more...