

Consumer Mathematics

Grade 9+

1 Credit

This course trains the student in practical daily applications of mathematical skills. It may be used as a supplement to a mathematics program or as a part of the basic mathematics program. The course involves the student in new and creative skills and previously learned skills. The student is given examples to help him understand and use each mathematical skill in various consumer problems. These problems deal with family finances, occupations, business, and transportation.

LightUnit 1	LightUnit 2	LightUnit 3	LightUnit 4	LightUnit 5
Creative Arithmetic Basic Arithmetic Skills Addition Subtraction Multiplication Division Mental Search Skills Puzzles Factors Prime Numbers Creative Manipulation Skills Addition and Subtraction Multiplication Division Mental Imagery	Fractions, Decimals, and Percent Fractions Terminology Skills Consumer Applications Decimals Terminology Skills Consumer Applications Percent Decimal Fractions Consumer Applications	Family Finances 1 Income Salary Wages Commission Self-Employment Taxes Income; FICA; Miscellaneous Budgets Planning the Budget Working the Budget Buying Sales Prices Real Estate Advertisements Food Buying Credit Buying	Family Finances 2 Insurance Life Insurance Automobile Insurance Other Insurance Banking Your Money Their Money Other Services Financial Planning Making Investments Disposing of an Estate	Construction and Building Trades Measure Systems Metric System Conversion Procedures Area Computations and Applications Plane Figures With Straight Boundaries Plane Figures With Curved Boundaries Area Applications Volume Computations and Applications Solid Figures With Plane Boundaries Solid Figures With Curved Boundaries
LightUnit 6	LightUnit 7	LightUnit 8	LightUnit 9	LightUnit 10
Service Occupations Financial Transactions Cash Transactions Involving Change Sales Tax Data Interpretations Tabular Data Interpretation Line-Graph Analysis Bar-Graph Analysis Facility Capacity Estimation Service Occupations Food Services Personal Appearance Services Prices for Services Rendered	Transportation Financing and Operating an Automobile Finance Charges Automobile Operating Costs Insurance Cost Comparisons Transportation and Travel Time, Distance, and Rate Time Zone Adjustments Currency Exchange Rates and Travel Cost Comparisons Currency Exchange Rates Travel Cost-Benefit Comparisons	Business Services Financial Records: Part I Balance Sheet Cash Budget Financial Records: Part II Bank Statement Reconciliation Payroll Deductions Business Operations Pricing Considerations Terms of Credit Markups, Markdowns, and Discounts	Occupational Diagrams Scale Drawings Reviewing Mathematical Operations Choosing Scales Reading Maps Reading Scale Drawings Informal Geometry Angles Polygon Construction Inscribing Regular Polygons House Plans Diagramming House Plans Furnishings Cost-Saving Guidelines	Review Mathematical Operations Fractions, Decimals, and Percentages Ratios and Proportions Angles, Perpendiculars, and Polygons Plane Geometric Figures with Curved Boundaries Solid Geometric Figures Metric Conversion Family Finances Income; Taxes; Credit Buying Family Financial Records Occupational Services Insurance; Banking Transportation and Travel Business Trades and Services Architecture and Interior Decorating