

Real-Life Projects for Student Assessment in General Education Mathematics
(Online and Classroom)

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Description

I will share my successes. After connecting basic Algebra with the real world, students learn to work with formulas. They calculate simple and compound interest, amortization, and annuities. They rediscover Geometry through home renovation. They investigate Probability and Statistics. Students are asking questions and generating their own solutions to problems based on given and individual data.

Rationale and Projects:



A. Rationale Car

http://online.morainevalley.edu/websupported/jsukta/handouts/simple_interest_car_loan.htm



B. Rationale Home

http://online.morainevalley.edu/websupported/jsukta/handouts/closing_costs.htm



C. Dimensional Analysis
Project National Debt

http://online.morainevalley.edu/websupported/jsukta/handouts/project_national_debt.htm



D. Rationale Home Renovation

http://online.morainevalley.edu/websupported/jsukta/handouts/home_renovation.htm



E. Rationale Annuities

http://online.morainevalley.edu/websupported/jsukta/handouts/annuities_401k.htm

WIN A **\$1 MILLION DREAM HOME,**
or \$1,000,000 in Cash!



F. Rationale Probability Distributions

National Association of Home Builders (NAHB)

<http://online.morainevalley.edu/websupported/jsukta/handouts/illinoismillionaireraffle.htm>

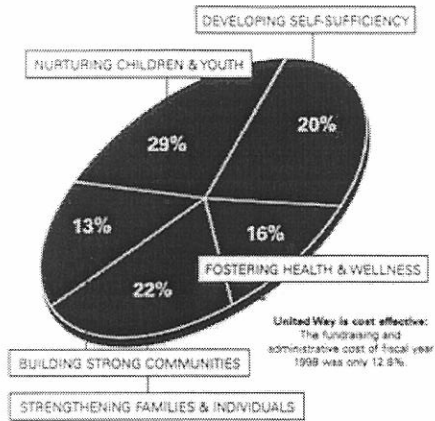


G. Project: Normal Distribution



http://online.morainevalley.edu/websupported/jsukta/handouts/project_normal.htm

WHERE UNITED WAY
donations go



H. Rationale Descriptive Statistics

http://online.morainevalley.edu/websupported/jsukta/handouts/project_united_way.htm

If you have further questions, please contact me by e-mail: jsukta@morainevalley.edu.
Thank you for your interest.

J. Sukta