

WHY I BUY (page 505)

Grades 4-12

MATHEMATICS

Standard 2: Students use data collection and analysis, statistics, and probability to make valid inferences, decisions and arguments and to solve a variety of real-world problems.

Essentials

- 2M-E1. Construct, read, analyze and interpret tables, charts, graphs and data plots (e.g., box-and-whisker, stem-and-leaf, and scatter plots)
- 2M-E2. Make valid inferences, predictions and arguments based on statistical analysis.
- 2M-E5. Determine probabilities through experiments and/or simulations and compare the results with the mathematical expectation.

Proficiency

- 2M-P1. Construct and draw inferences including measure of central tendency, from charts, tables, graphs and data plots that summarize data from real-world situations.
- 2M-P5. Design and conduct a statistical experiment to study a problem and interpret and communicate the outcomes.
- 2M-P11. Apply measures of central tendency, variability and correlation.

SOCIAL STUDIES

Standard 4: Students develop economic reasoning skills to apply basic economic concepts, assess problems, make choices, and evaluate the choices of others as consumers, workers, and citizens participating in local, national, and global economies.

Essentials

- 4SS-E3. Describe how consumer and businesses interaction the United States economy.
- 4SS-E7. Describe the operation of a market economy.

Proficiency

- 4SS-P9. Apply an understanding of economics to personal financial choices.

LANGUAGE ARTS

Standard 4: Students use a variety of visual media and resources to gather, evaluate and synthesize information and to communicate with others.

Essentials

- Analyze visual media for language, subject matter and visual techniques used to influence opinions, decision making and cultural perceptions.
- Plan, develop and produce a visual presentation, using a variety of media such as videos, films, newspapers, magazines and computer images.
- Compare, contrast and establish criteria to evaluate visual media for purpose and effectiveness.

Proficiency

- Plan, organize, develop, produce and evaluate an effective, multimedia presentation, using tools such as charts, photographs, maps, tables, posters, transparencies, slides and electronic media.
- Analyze and evaluate the impact of visual media on the intended audience.