

GLOBAL GROCERY BAGS (page 531)

Grades 5-12

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)

Proficiency

- 2M-P1. Construct and draw inferences including measures of central tendency, from charts, tables, graphs and data plots that summarize data from real-world situations.

Standard 3: Student's use algebraic methods to explore, model and describe patterns, relationships and functions involving numbers, shapes, data and graphs within a variety of real-world problem-solving situations.

Essentials

- 3M-E4. Analyze functional relationships to explain how a change in one variable results in a change in another.

Proficiency

- 3M-P2. Represent and analyze relationships using written and verbal explanations, tables, equations, graphs and matrices and describe the connections among those representations.

Standard 6: Students use both inductive and deductive reasoning as they make conjectures and test the validity of arguments.

Essentials

- 6M-E2. Construct, use and explain algorithmic procedures for computing and estimation with whole numbers, fractions, decimals and integers.
- 6M-E3. Use if...then statements to construct simple, valid arguments.

Proficiency

- 6M-P1. Use inductive and deductive logic to construct simple valid arguments.
- 6M-P2. Determine the validity of arguments.

SOCIAL STUDIES

Standard 3: Students analyze locations, regions, and spatial connections, recognizing the natural and cultural processes that impact the way in which people and societies live and interact with each other and their environment.

Essentials

- 3SS-E4. Demonstrate understanding of the characteristics, purposes, and use of geographic tools to locate and analyze information about people, places, and environments.
- 3SS-E5. Describe natural and human characteristics of places and use this knowledge to define regions, their relationships with other regions and their patterns of change.

Proficiency

- 3SS-P2. Analyze natural and human characteristics of places in the world studied to define regions, their relationships, and their pattern of change.
- 3SS-P5. Apply geographic knowledge of people, places, and environments to understand the past and present and plan for the future.