



LITERACY CONNECTIONS

Texts Base Ten Value, Operations, and Thinking

- *City by Numbers*, Stephen T Johnson
- *Museum 123*, The Metropolitan Museum of Art
- *The Best of Time*, Greg Tang and Harry Briggs
- *Multiplying Menace, the Revenge of Rumpelstiltskin*, Pam Calvert and Wayne Geenhan
- *One Grain of Rice, A Mathematical Folktale*, Demi
- *Multiplying Menace Divides*, Pam Calvert and Wayne Geenhan
- *Sir Cumference and the Dragon of Pi, A Mathematical Adventure*, Cindy Neushwander and Wayne Geenhan

Time and Money

- *Just a Second: A Different Way to Look at Time*, Steve Jenkins
- *About Time: A First Look at Time and Clocks*, Bruce Koscielniak
- *Growing Money, A Complete Investing Guide for Kids*, Gail Karlitz and Debbie Honing
- *DK. Eyewitness Books: Money*

Measurement, Probability, Data

- *A Very Improbable Story*, Edward Einhorn and Adam Gustavon
- *Sir Cumference and the Off-the-Charts Dessert*, Cindy Neuschwander and Wayne Geehan
- *How Long or How Wide? A Measuring Guide*, Brian P. Cleary and Brian Gable

Geometry

- *The Librarian Who Measured the Earth*, Kathryn Lasky
- *What's your Angle Pythagoras?* Julie Ellis
- *Pythagoras and the Ratios*, Julie Ellis
- *Cut Down to Size at High Noon*, Scott Sundby and Wayne Geehan
- *Sir Cumference and the Sword in the Cone*, Cindy Neushander and Wayne Geehan
- *Sir Cumference and the Viking's Map*, Cindy Neushwander and Wayne Geehan

SCIENCE CONNECTIONS

Students may participate in the following activities:

- Compare mixtures based on measured quantities and visual properties and compare them to pure substances
- Collect data to predict future weather
- Measure mass, length, volume and density
- Collect temperature data and relate it to global warming
- Collect precipitation data in different regions and discuss water shortage and drought
- Analyze changes in populations as a result of water pollution
- Calculate the work done in lifting heavy objects
- Collect data as part of an experiment
- Calculate speed of moving objects
- Use mathematical formulas relating to motion, speed, work, etc.
- Use technology to simulate how engineers plan, test, and revise a design given a budget and time constraints

SOCIAL STUDIES CONNECTIONS

- Calculate the cost of war, natural disasters, etc
- Locate ancient and modern Peru, China, Egypt, and Greece on a map and find its coordinates
- Compare economics, income, and debt in various countries
- Map the exploration of various Countries and find the coordinates of major landmarks
- Explore and calculate tax as it relates to the British taxation in the Colonies
- Map the various routes of famous explorers and calculate the distance of the expeditions
- Calculate the change in populations of new territories over many years
- Map the battles in various wars, find the coordinates for the location of major battles
- Calculate income and cost of living for workers during the industrial revolution
- Calculate changes in population though out history
- Write number stories/world problems related to the Great Depression, and the crash of the stock market
- Compare income and expenses for people with different jobs during the Great Depression

RELIGION CONNECTIONS

- Create a budget for a service project and collect money to complete it
- Graph to describe the inequality of the consumption of
- the world's resources and design service projects to address global injustice
- Calculate and compare the number of people who suffered injustices throughout history and discuss ways to prevent injustices from occurring in your community