

# LIVING MATH THROUGH HISTORY

## Cycle 1 Tentative Primary Level Booklist

### History Quarter Unit 4 Renaissance to Age of Enlightenment

**These selections are not final.** Plans are in progress and some substitutions and/or additions will occur. This unit will contain more original written material and less readers due to a lack of available children's literature for mathematicians of this era.

If using book lists without purchasing plans, please consider purchasing books through the Amazon affiliate links on the Living Math site to benefit Living Math, or enter through <http://www.amazon.com/exec/obidos/redirect-home/livingmath-20>



**Joy of Mathematics** by Theoni Pappas. Math vignettes to inspire exploration



**Math Talk Poetry in Two Voices** by Theoni Pappas. Poetry in two voices



**Mathematicians Are People, Too Vol. 1** by Luetta Reimer



**Marvels of Math** by Kendall Haven for older children in this level



**Math History readers: One or more**, according to your child's ability:

**Mathematics: The World of Science** by Irene Fekete

**Go Figure!** by Johnny Ball: DK style book, not nearly as much text or story telling, has outstanding pictures

**Numbers** by Steve Perkins



**MathFocus Mr. Base Ten Invents Mathematics** by Bethany H. Tucker. Very simple story-based math.



**Great Moments in Science** by Kendall Haven - Reader's Theatre, well done, recommended if you have the ability to act out as a family or in groups.




Optional Historical Context - **Story of the World Vol 2 and 3** by Susan Wise Bauer

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 **Mathematickles!** By Betsy Franco

 **MathFocus** Graph Games by Frederique and Papy

 **MathFocus** MathStart by Stuart Murphy: Ready, Set, Hop! Building Equations L. 3; A Fair Bear Share, Regrouping, L. 2; Coyotes All Around, Rounding, L.2

 **MathFocus** Anno's Math Games

 **MathFocus** G is for Googol, A Math Alphabet Book by David M. Schwartz


 **MathFocus** A Million Dots by Andrew Clements

 **MathFocus** Estimation by Charles F. Linn

 **MathFocus** MathStart by Stuart Murphy: Same Old Horse, Making Predictions L. 2; Betcha! Estimating L. 3

 **A Million Fish . . . More or Less** by Patricia McKissack

 **Great Estimations** by Bruce Goldstone


 **Girls Think of Everything: Stories of Ingenious Inventions by Women** and/or **The Sky's the Limit, Stories of Discovery by Women and Girls** by Catherine Thimmesh

 **Women and Numbers** by Teri Perl

 **Grace Hopper: Computer Whiz** by Patricia Murphy

 **MathFocus** More M&M's Brand Chocolate Candies Math

 **MathFocus** Fractals, Googols and Other Mathematical Tales by Theoni Pappas

Some others of  **MathFocus** readers from previous units will be brought in for various themes with math history

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### Readers on Fractions and Percents

**Apple Fractions** by Jerry Pallotta - Very well done introduction to fractions

**Twizzlers Percentages** Book by Jerry Pallotta - not as good as the above, but good pictorial representations of percents

MathStart by Stuart Murphy: **Give Me Half!** L. 2; **Jump, Kangaroo, Jump!** L. 3  
Introduction to fractions; **The Grizzly Gazette** L. 3, Percentages

**Piece = Part = Portion** by Scott Gifford - on fractions, decimals and percents

**Multiplying Menace, The Revenge of Rumpelstiltskin**, by Pam Calvert, very clever story about the effect of multiplying fractions

**Fraction Fun** by David Adler

**Fraction Action** by Loreen Leedy

**Hershey's Fractions** by Jerry Pallotta

**Go Fractions!** By Judith Stamper

**Fraction Jugglers** by Ruth Alexander Bell - Game cards and book

**Polar Bear Math, Learning about Fractions from Klondike and Snow**, by Ann Whitehead Nagda

**The Fraction Family Heads West** by Trevor Romain

**Fabulous Fractions** by Lynette Long



**MathFocus** Dr. Wright's Kitchen Table Math Book 1 by Chris Wright, Phd, published by Art of Problem Solving. Parent resource for teaching math in natural ways. See AoPS for TOC, excerpts and to order.

[http://www.artofproblemsolving.com/Books/AoPS\\_B\\_Item.php?page\\_id=91](http://www.artofproblemsolving.com/Books/AoPS_B_Item.php?page_id=91)