

# MATH *at* HOME



HELPING  
YOUR CHILDREN  
LEARN AND ENJOY  
MATHEMATICS

## RESOURCES TO HELP YOU AND YOUR CHILD WITH MATH

If you'd like more information about family math activities, mathematics education, or strategies for supporting your child's math learning, you'll find the following list of publications helpful. Internet websites with a math focus are also a great source of information for parents.

### PUBLICATIONS

*Adding It Up: Helping Children Learn Mathematics* (National Academy Press, 2001). This new report from the National Research Council of the National Academies will be of interest to parents who want to explore current research about mathematics education in the United States.

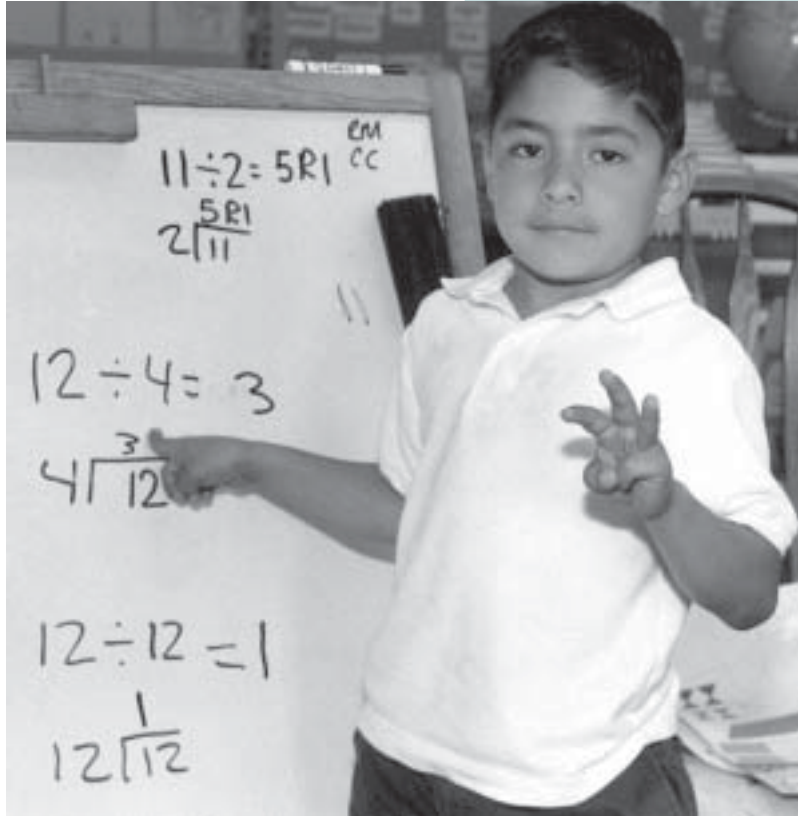
*Algebra To Go* (Great Source Education Group, 2000). This reference book is designed to help students when they're not clear about a math topic and need someplace to look up definitions, procedures, explanations, and rules. The book uses lots of graphics and charts, and includes test-taking strategies, tips for using graphing calculators, and more.

*Family Math*, by Jean Stenmark, Virginia Thompson, and Ruth Cossey (Lawrence Hall of Science, University of California, Berkeley Press, 1986). *Family Math* is a popular book with dozens of math activities that parents and children, age 8 to 12, can do together. Included are activities related to number sense, geometry, probability and statistics, and algebra. A Spanish version of the book, *Matemática Para La Familia*, is also available.

*Family Math for Young Children*, by Grace Coates and Jean Kerr Stenmark (Lawrence Hall of Science, University of California, Berkeley Press, 1997). A sequel to the first *Family Math* publication, this book was developed for families with children between the ages of four and eight.

*Family Math—The Middle School Years*, Virginia Thompson and Karen Mayfield-Ingram (Lawrence Hall of Science, University of California, Berkeley Press, 1998). The activities in this book cover algebraic reasoning and number sense and are appropriate for students in grades six, seven, and eight.

*Math On Call* (Great Source Education Group, 1998). Short definitions, examples, and lessons on over 300 mathematics concepts studied in kindergarten through eighth grade are included in this small handbook for students and parents.



*Mathematics Framework for California Public Schools, Kindergarten to Grade 12* (California Department of Education, revised 2000, available online at [www.cde.ca.gov/cfir/](http://www.cde.ca.gov/cfir/)). Grade-level standards, examples of math problems related to the standards, and information on how schools can build successful mathematics programs are included.

*Bryan Roman*

#### **INTERNET SITES**

The California Department of Education's *Standards and Assessment Division* ([www.cde.ca.gov/statetests](http://www.cde.ca.gov/statetests)) has up-to-date information about the state High School Exit Exam and sample questions from the exam.

*The California State Board of Education* website ([www.cde.ca.gov/board](http://www.cde.ca.gov/board)) provides access to the Board-adopted academic content standards in mathematics.

*Figure This!* ([www.figurethis.org](http://www.figurethis.org)) includes a collection of math challenges for middle school students and their families. Each challenge comes with a hint and the complete solution, along with related information and questions to think about.

*The Math Forum's Student Center* ([www.mathforum.com/students](http://www.mathforum.com/students)) hosts "Ask Dr. Math" and has weekly/monthly math challenges, Internet math hunts, and math resources organized by grade level.

*Math is Power* ([www.mathispower.org](http://www.mathispower.org)), from the National Science Foundation, provides an arcade of math problems for students and resources for parents.

*The Sonoma County Office of Education* ([www.scoe.org](http://www.scoe.org)) links students to Internet sites that provide homework help and web-based math resources. Go to the Resources section of the SCOE site.