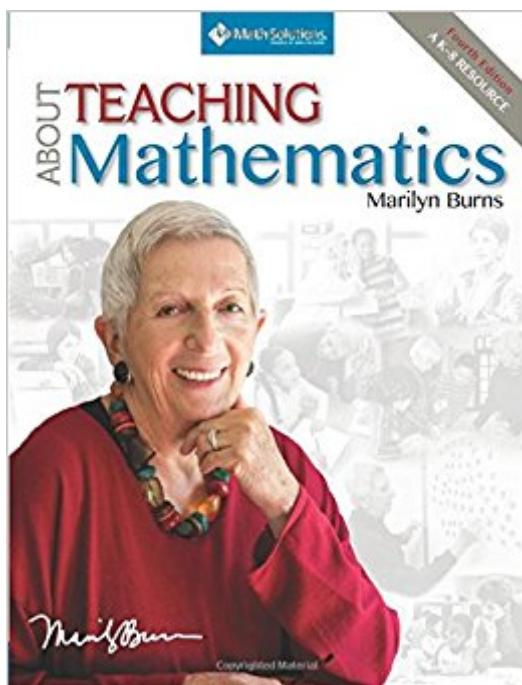


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# About Teaching Mathematics: A K-8 Resource (4th Edition)



## Synopsis

In this fourth edition of her signature resource, Marilyn presents her current thinking and insights and includes ideas from her most recent teaching experiences. In Part 1, "Starting Points" reflects the major overhaul of this book and addresses twenty-three issues important to thinking about teaching mathematics today. In Part 2, "Problem-Solving Investigations" opens with how to plan problem-solving lessons; followed by whole-class, small-group, and individual investigations organized into five areas of the curriculum: Measurement, Data, Geometry, Patterns and Algebraic Thinking, and Number and Operations. In Part 3, "Teaching Arithmetic" focuses on the cornerstone of elementary mathematics curriculum, offering ideas and assessments that build students' understanding, confidence, and competence in arithmetic. In Part 4, "Questions Teachers Ask" features Marilyn's responses to pedagogical questions she's received from teachers over the years. More than forty reproducibles for About Teaching Mathematics are available to download in a printable format.

## Book Information

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## Customer Reviews

Marilyn Burns is one of today's most highly respected mathematics educators. Over the course of more than 50 years, Marilyn has taught children, led in-service sessions, spoken at conferences, contributed to professional journals, written more than a dozen books for children, and

created more than 20 professional development resources for teachers and administrators. In 1984, Marilyn formed Math Solutions Professional Development, an organization dedicated to the improvement of math instruction in Grades K-8. Working with a highly qualified team of in-service leaders, Marilyn offered specialized courses to teachers and administrators nationwide. In collaboration with Scholastic in 2007, Marilyn developed Do The Math, a 13-module intervention program that focuses on Number and Operations. Do The Math targets addition and subtraction, multiplication, division, and fractions. In 2011, Marilyn developed Do The Math Now!, extending Do The Math to serve students in grades 6 and up. In 2012, working with a team of Math Solutions colleagues, Marilyn developed a web-based formative assessment tool suitable for grades 5 and up, Math Reasoning Inventory (MRI), funded by the Bill & Melinda Gates Foundation. Also in 2012, Marilyn and Scholastic developed Math Reads, a program that helps teachers use children's literature for teaching mathematics. Marilyn continues to teach regularly in the classroom, finding the experience essential to developing and testing new ideas and materials.

Excellent resource for K-8 math teachers and pre-service teachers. I use this book at the college level as the foundation for my elementary math methods class, but it would be equally as valuable to an elementary teacher. Burns stresses big ideas in teaching conceptual math, not by providing a bunch of printable activities for kids to do that can fragment math skills and be just another worksheet, but by providing hands-on ideas using manipulatives and visuals to help kids see the meaning in math. All the activities are set in the context of what good math teaching is, which is clearly explained and emphasized in areas from classroom management to assessment.

I'm using this new edition to teach a graduate level class in math methods. The chapters are well organized and the math activities and questions can be used in the classroom. I find this book easy to read and understand--no unnecessary jargon for newer teachers. Clear and concise. Love it.

Conceptual math investigations- great fun for 2nd-3rd grade Navajo students.

One of the best books a math teacher can read; so many incredible examples of problems that have always been successful when adapted for my classroom.

Awesome

Marilyn Burns is a Math genius. I am very happy that I purchased her book. It is worth its price, and I will use this book for years to come.

I have all editions now and this is by far the best for teachers, coaches, staff developers, and administrators.

Excellent math resource book. Great ideas for all grades

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