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Knowing and Teaching Elementary Mathematics describes the nature and development of the knowledge that elementary teachers need to become accomplished mathematics teachers,

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and suggests why such knowledge seems more common in China than in the United States, despite the fact that Chinese teachers have less formal education than their U.S. counterparts.

Knowing and Teaching Elementary Mathematics: Teachers ...

Every elementary math teacher should

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read it. In China, elementary math teachers only teach math. They have discussions and shared planning time. They actually spend a lot of time studying math. They don't assume they know it and are done. Because American elementary teachers teach all subjects, we don't have time to do what they do, which is a shame.

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Knowing and Teaching Elementary Mathematics: Teachers ...

Knowing and Teaching Elementary Mathematics is an important book. For those who are skeptical that mathematics education research can say much of value, it can serve as a counterexample. For those who are

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Knowing and Teaching Elementary

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Mathematics: Teachers ...
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describes the nature and development of the "profound understanding of fundamental mathematics" that elementary teachers need to become accomplished mathematics teachers, and suggests why such teaching knowledge is much more common in

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China than in the United States, despite the fact that Chinese teachers have less formal education than their U.S. counterparts.

Knowing and Teaching Elem Math

Knowing and Teaching Elementary Mathematics: Teachers' Understanding of Fundamental Mathematics in China

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and the United States. Liping Ma
Lawrence Erlbaum Associates, Inc., 1999
Cloth, \$45.00, ISBN 0-8058-2908-3
Softcover, \$19.95, ISBN 0-8058-2909-1
Notation: The reviewer will refer to the book under review as KTEM.

Knowing and Teaching Elementary Mathematics

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Using concrete examples from Liping Ma's famous book, mathematician Richard Askey explores in this article from American Educator what it takes to achieve deeper mathematics learning. Send Feedback Knowing and Teaching Elementary Mathematics

Knowing and Teaching Elementary

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It disabuses people of the notion that elementary school mathematics is simple--or easy to teach. It cautions us, as Ma says in her conclusion, that "the key to reform...[is to] focus on substantive mathematics." And at the book's heart is the idea that student understanding is heavily dependent on

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Understanding Fundamental In

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mathematics, R Askey - doc ...**

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substantive mathematics.” And at the book’s heart is the idea that student understand-ing is heavily dependent on teacher understanding. We can all learn from this book.

K AND T ELEMENTARY MATHEMATICS

Knowing and Teaching Elementary

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Mathematics is an important book. For those who are skeptical that mathematics education research can say much of value, it can serve as a counterexample. For those who are skeptical that mathematics education research can say much of value, it can serve as a counterexample.

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Knowing and Teaching Elementary Mathematics: Teachers ...

mathematics education Knowing and Teaching Elementary Mathematics describes the nature and development of the knowledge that elementary teachers need to become accomplished mathematics teachers and suggests Both sides in the math wars claim Dr Ma

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as their own Districts have distributed her book to teachers Its broad appeal offers some

Knowing and Teaching Elementary Mathematics: Teachers ...

Knowing and Teaching Elementary Mathematics describes the nature and development of the knowledge that

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elementary teachers need to become accomplished mathematics teachers, and suggests why such knowledge seems more common in China than in the United States, despite the fact that Chinese teachers have less formal education than their U.S. counterparts.

Knowing and Teaching Elementary

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Mathematics - Liping Ma ...

Liping Ma's book Knowing and teaching elementary mathematics has been very influential in Mathematics Education circles. This is a short summary of the book and my reflections on it.

Introduction. Liping Ma in her work compares the teaching of mathematics in the American and the Chinese

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schools.

Understanding Fundamental In

**Reflections on Liping Ma's Work -
Temel Nosce | Know ...**

In a series of case studies of teachers' knowledge, Ma interviewed elementary mathematics teachers in the US and China about the way they would handle various mathematics topics. She found

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that US teachers may seem to "know" more about mathematics (they may have taken more courses, and have some understanding...

Knowing and teaching elementary mathematics : teachers ...

Mathseeds is the research-based online math program specifically designed for

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students in grades K-2. Created by a highly experienced team of elementary teachers, Mathseeds provides self-paced lessons, automated reporting, and a range of teaching tools to help your elementary math students succeed. Sign up for a free trial today.

7 Effective Strategies for Teaching

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Elementary Math ...

Another part of mathematics which I would offer as fundamental to the education of elementary school teachers is the language in which mathematics is expressed. This is largely the language of set theory: union, intersection, the null set, quantifiers, negation,...

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**Teachers' Understanding of
Fundamental Mathematics ...**

Knowing and Teaching Elementary
Mathematics by Liping Ma,
9780805829099, available at Book
Depository with free delivery worldwide.

**Knowing and Teaching Elementary
Mathematics : Liping Ma ...**

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Knowing and Teaching Elementary Mathematics: Teacher's Understanding of Fundamental Mathematics in China and the United States. Ma, Liping This book features a comparative study of American and Chinese mathematics teachers.

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Mathematics: Teacher's ...

Knowing and Teaching Fundamental In Mathematics: Teachers' Understanding of Fundamental Mathematics in China and the United States This is the 10 th anniversary edition of a book that was first published in 1999.

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