


# Mathematics for Elementary School Teachers


By Tom Bassarear, Meg Moss



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Intended for the one- or two-semester course required of Education majors, **MATHEMATICS FOR ELEMENTARY SCHOOL TEACHERS, 6E** offers future teachers a comprehensive mathematics course designed to foster concept development through examples, investigations, and explorations. Visual icons throughout the main text allow instructors to easily connect content to the hands-on activities in the corresponding Explorations Manual. Bassarear presents real-world problems, problems that require active learning in a method similar to how archaeologists explore an archaeological find: they carefully uncover the site, slowly revealing more and more of the structure. The author demonstrates that there are many paths to solving a problem, and that sometimes, problems have more than one solution. With this exposure, future teachers will be better able to assess student needs using diverse approaches.

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## Mathematics for Elementary School Teachers By Tom Bassarear, Meg Moss Bibliography

- Sales Rank: #401845 in Books
- Brand: imusti
- Published on: 2015-01-01
- Original language: English
- Number of items: 1
- Dimensions: 10.70" h x .90" w x 8.40" l, .0 pounds
- Binding: Paperback
- 752 pages

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### **Editorial Review**

#### **About the Author**

Tom Bassarear is a professor at Keene State College in New Hampshire. He received his BA from Claremont-McKenna College, his MA from Claremont Graduate School, and was awarded an Ed.D degree from the University of Massachusetts. Tom's complementary degrees in mathematics and educational psychology have strongly influenced his convictions about education--specifically, mathematics education. Before teaching at the college level, he taught both middle school and high school mathematics. Since arriving at Keene State College, Tom has spent many hours in elementary classrooms observing teachers and working with them in school and workshop settings, plus, he has taught 4th grade math every day for a semester at a local elementary school.

Meg Moss began teaching the mathematics for elementary school teachers course over 20 years ago. She obtained her MA in Math Education from Appalachian State University and her PhD in Math Teacher Education from the University of Tennessee, Knoxville. She has been actively involved in various roles, influencing teacher education training throughout her career.

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