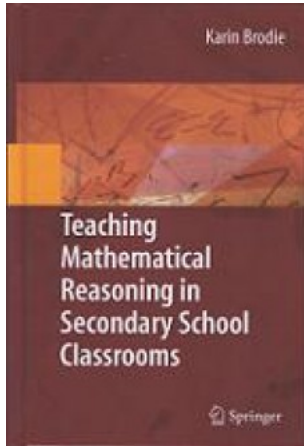


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Título: Teaching Mathematical Reasoning In Secondary School Classrooms

Autor: Brodie, Karin

Precio: \$1440.00

Editorial:

Año: 2010

Tema:

Edición: 1^a

Sinopsis

ISBN: 9780387097411

For too many students, mathematics consists of facts in a vacuum, to be memorized because the instructor says so, and to be forgotten when the course of study is completed. In this all-too-common scenario, young learners often miss the chance to develop skills—specifically, reasoning skills—that can serve them for a lifetime. The elegant pages of *Teaching Mathematical Reasoning in Secondary School Classrooms* propose a more positive solution by presenting a reasoning- and discussion-based approach to teaching mathematics, emphasizing the connections between ideas, or why math works. The teachers whose work forms the basis of the book create a powerful record of methods, interactions, and decisions (including dealing with challenges and impasses) involving this elusive topic. And because this approach shifts the locus of authority from the instructor to mathematics itself, students gain a system of knowledge that they can apply not only to discrete tasks relating to numbers, but also to the larger world of people and the humanities.