



# Introduction to Reasoning and Proof, Grades 6-8 (Math Process Standards)

*Susan O'Connell, Karren Schultz-Ferrell, Denisse R Thompson*

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NCTM's Process Standards support teaching that helps students develop independent, effective mathematical thinking. The books in the Heinemann Math Process Standards Series give every middle grades math teacher the opportunity to explore each standard in depth. The series offers friendly, reassuring advice and ready-to-use examples to any teacher ready to embrace the Process Standards.

In *Introduction to Reasoning and Proof*, Denisse Thompson and Karren Schultz-Ferrell familiarize you with ways to help students explore their reasoning and support their mathematical thinking. They offer an array of entry points for understanding, planning, and teaching, including strategies for encouraging middle grades students to describe their reasoning about mathematical activities. Thompson and Schultz-Ferrell also provide methods for questioning students about their conclusions and their thought processes in ways that help support classroom-wide learning.

The book and accompanying **CD-ROM** are filled with activities that are

- **modifiable** for immediate use with students of all levels
- **customizable** to match your specific lessons.

In addition, a correlation guide helps you match the math content you teach with the mathematical processes it utilizes.

If your students could benefit from more opportunities to develop their reasoning about math concepts, or if you're simply looking for new ways to work the reasoning and proof standards into your curriculum, read, dog-ear, and teach with *Introduction to Reasoning and Proof*. And if you'd like to learn about any of NCTM's process standards, or if you're looking for new, classroom-tested ways to address them in your math teaching, look no further than Heinemann's Math Process Standards Series. You'll find them explained in the most understandable and practical way: from one teacher to another.

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