

See a gap in understanding? Mine it to move your students forward.

“Wow! This book is a treasure trove for middle school teachers and those who support middle level mathematics education. The tasks presented are top notch, the student work is illustrative of classrooms, and the suggestions for how to respond are incredible!”

—Kevin Dykema, Math Teacher,
Mattawan Middle School,
Mattawan, MI

Mine the Gap for Mathematical Understanding, Grades 6-8

Common Holes and Misconceptions and What To Do About Them

John SanGiovanni, Jennifer Rose Novak

How good are you at exploiting students' mathematical mistakes? In this remarkable book, the authors remind us that student mistakes are not random, and when we take the time to “mine the gap,” we can dispel misunderstandings before they take root. Included are 180 downloadable high-quality tasks, aligned to the standards and big ideas of grades 6–8 mathematics. Each task includes sample student work, commentary on strengths and gaps, and next instructional steps. Whether you use this bank of tasks for instruction or assessment, you will love how it helps you easily identify students' thinking and then follow up with instruction that brings clear, complete understanding.

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