



# The ANIE: A Math Assessment Tool that Reveals Learning and Informs Teaching

*Kevin Bird, Kirk Savage*

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The ANIE (Assessment of Numeracy for Education) is a teacher-developed assessment tool that uses numeracy and common core performance standards to assess student understanding of math concepts. This simple diagnostic tool helps teachers identify gaps in learning so they can plan intervention. It takes about 10 minutes to administer, grading is relatively quick and most important, teachers can use the results to plan timely and targeted intervention.

This remarkable book introduces a powerful assessment tool and intervention strategies that are remarkably simple yet revolutionary in their impact on student learning. Based on extensive use in hundreds of classrooms, the book explains each component of the ANIE. It shares proven techniques for introducing the ANIE to students, grading and interpreting the results to inform teaching and learning. This highly-readable book uses real situations and results throughout the book to illustrate radical improvements in learning that the ANIE has inspired.

The ANIE helps students master a consistent, 4-step process for solving any math question

- decide what operation is needed to solve a question
- estimate a reasonable answer
- calculate the answer
- represent the question and apply the concept to a real world situation by developing a word problem.

Designed for students in grades 1 through 12, the ANIE is a one-page assessment of a single learning outcome or standard. Complex enough to fully align with performance standards, it is simple enough to use as a learning tool every day.

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