

COLLINS WRITING PROGRAM SPECIALTY INSTITUTE

How Did You Get That? Improving Written Responses in Math (grades K-12)

*For **math** teachers, department heads, principals, supervisors, curriculum committee members, and special educators.*

Open response questions require students to show or explain their answers and are often the most difficult math problems for students to solve. They also present a unique window into how students think about mathematics. This workshop will look carefully at students' written response work and help you diagnose underlying weaknesses that affect their achievement level and understanding of math. Seven critical strategies that help students produce complete and thorough answers in math will be introduced.

Participants will learn techniques to get every student involved in mathematical thinking and show students how to take more responsibility for learning. There will be a special emphasis on designing quick assessments, improving mathematical vocabulary, computing, and reading strategies. Participants will learn how to use focused criteria to score open response answers and create great math assignments. All examples will align with the new state frameworks for math.

PARTICIPANTS WILL LEARN HOW TO . . .

- Boost scores without endless drill
- Engage and motivate students with easy-to-use techniques that draw out and reinforce what they already know
- Use writing to assess and build metacognition
- Teach consistent reading strategies for dissecting open response questions
- Analyze the most common state test graphics and the questions that accompany them
- Identify vocabulary words that strengthen open responses
- Understand, design, and use questions that align with the Math Frameworks
- Communicate the item-specific rubrics used to score answers
- Use the state DOE websites to understand the text-structure of questions
- Watch or participate in a demonstration lesson that engages *all* students

Contact us for more information.



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