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### Spicing Mathematics Teaching through Technology: Case of DeltaMath

Kathryn Zenobio Providence College

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Mathematics with Rigor, Relevance and Responsiveness



NATIONAL COUNCIL OF TEACHERS OF MATHEMATICS

### INTRODUCTION

- Students generally are challenged in mathematics
- Technology motivates and engages students
- Multiple technologies used including
   DeltaMath

## QUESTION OF STUDY

To what extent does DeltaMath increase student motivation and engagement in mathematics?

## METHOD

- Explore general use of technology
- Survey on DeltaMath
  - In-service teacher
  - Pre-service
  - HS students

# SPICING MATHEMATICS TEACHING THROUGH TECHNOLOGY: CASE OF DELTAMATH

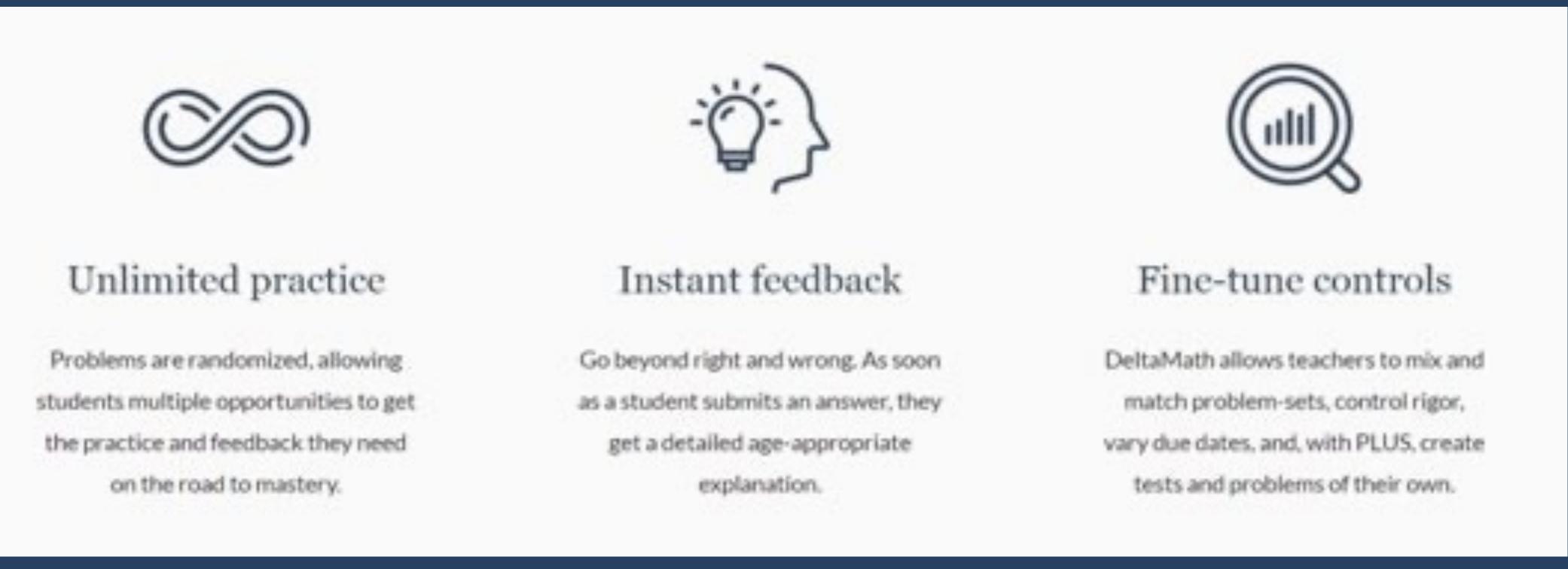
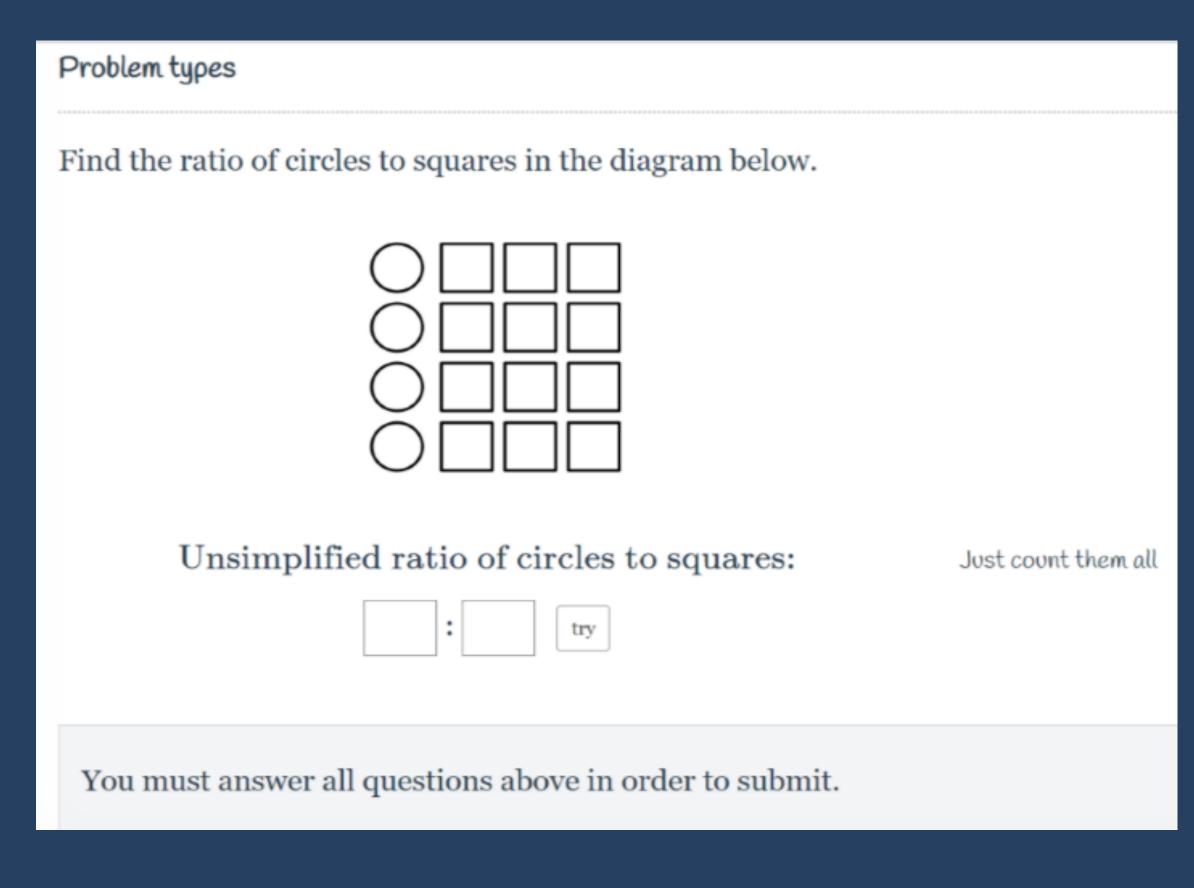
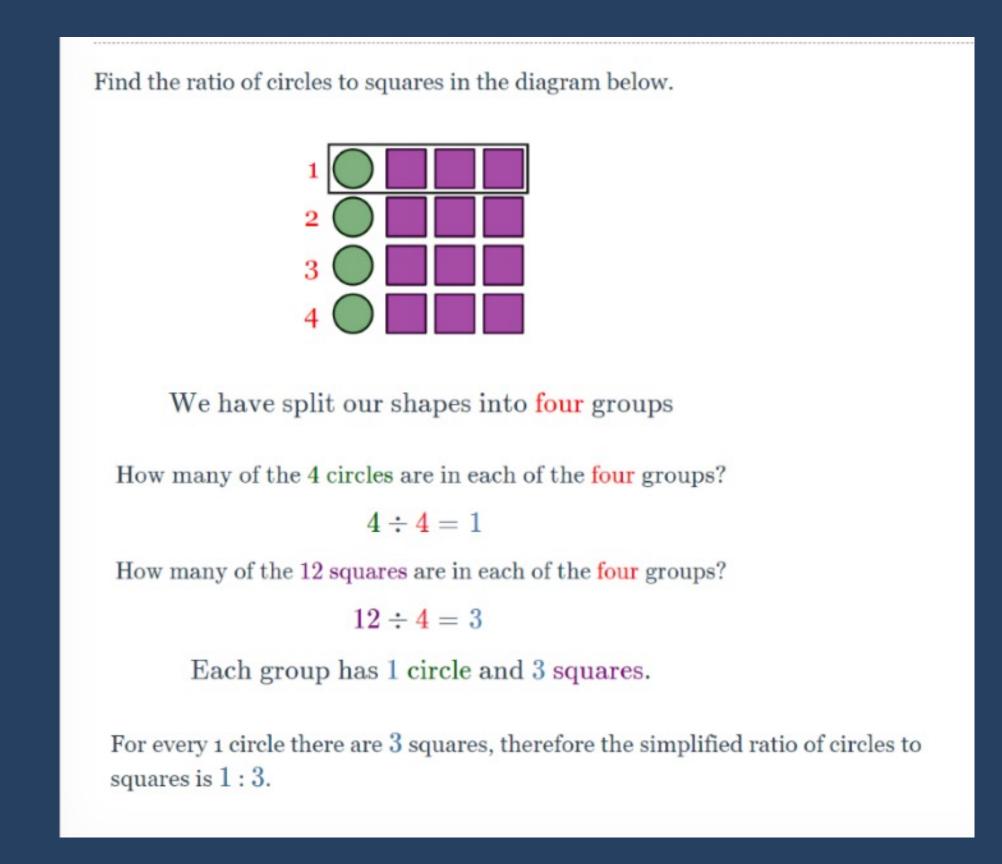


Figure 1: DeltaMath Mission

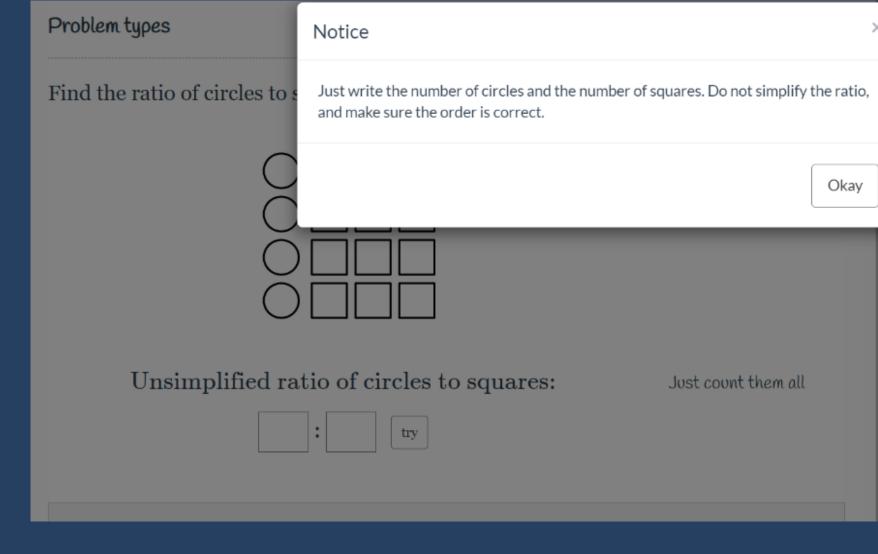
# Sample Problem Student View:



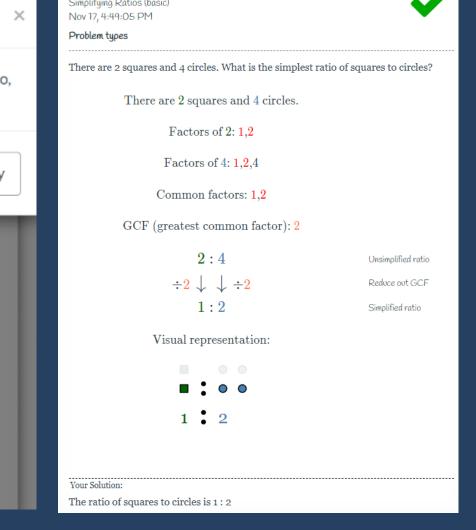
# Sample Problem Teacher View:



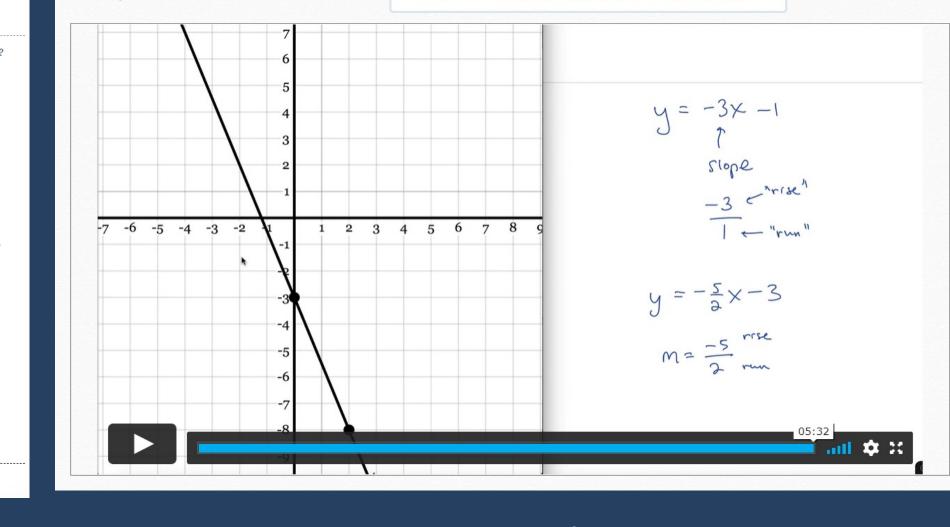
## Adaptive Assessment Strategies



Modeling



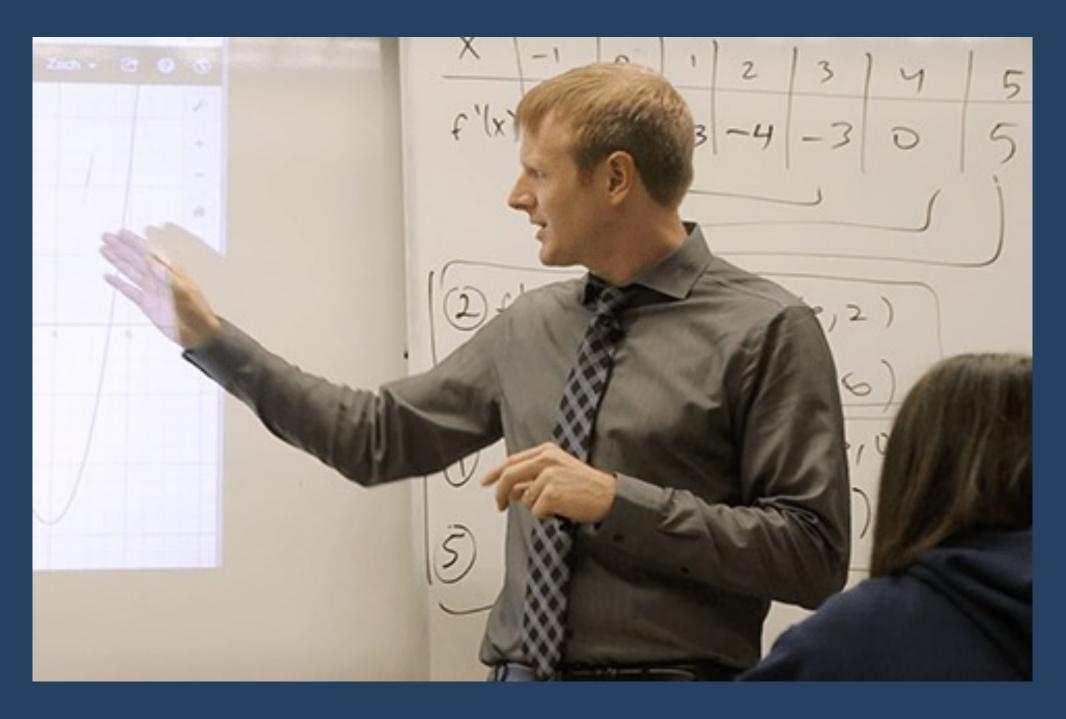




Sample Instructional Videos: Middle School - Graphing Lines from Equations (5: V

Instructional Video





Founder: Zack Korzyk 2009

### FINDINGS

- Customized practice
- Management and monitoring students

### RERFERENCES

1. Wilkerson, T. (2021, Oct).

"Mathematics with Rigor, Relevance, and Responsiveness." Nctm.org. 2. Wong, B. (2018). "DeltaMath: An Innovative Math Website for Student Practice." Bobson Wong NYC Math Teacher.

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