



Online Workshops for Teachers of Grades 5–9

Using Technology and Problem Solving to Build Algebraic Reasoning

Explore how technology can help students build algebraic reasoning as they model and solve contextualized problems using a variety of representations, including graphs, tables, equations, and words. Engaging, constructed-response problems provide opportunities for students to explain their reasoning and processes.

Program Features

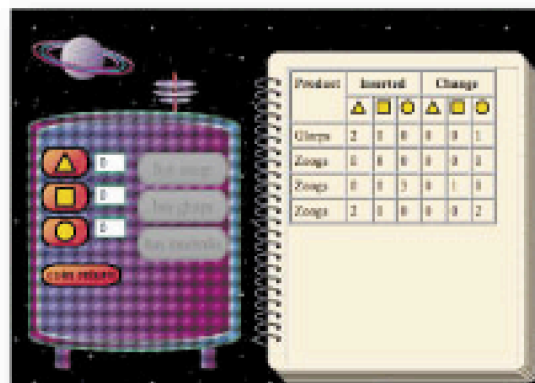
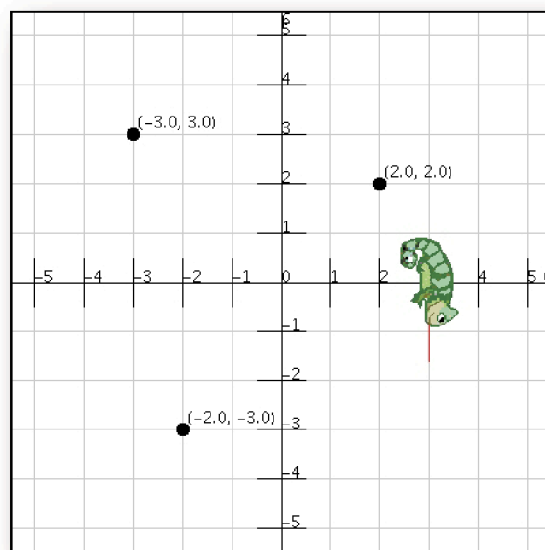
- Uses freely-available math software
- Flexibility of anytime, anywhere online learning
- No cost—for a limited time, workshop fees will be covered by a National Science Foundation grant

To register or for more information, please visit:

http://mathforum.org/nsdl_mathtech/

By the end of the eighth grade, students should have a solid background in algebra and other areas that will prepare them to enter substantive high school courses.

—NTCM Standards



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The Math Forum is a research and educational enterprise of the Drexel University School of Education.



Online Workshops for Teachers of Grades 3–5

Tools for Building Math Concepts

Sign up now to explore the use of technology for developing the concepts of multiplication, division, fractions, and decimals. This workshop introduces the use of computers to develop understanding in these areas through the exploration of patterns and analysis of data.

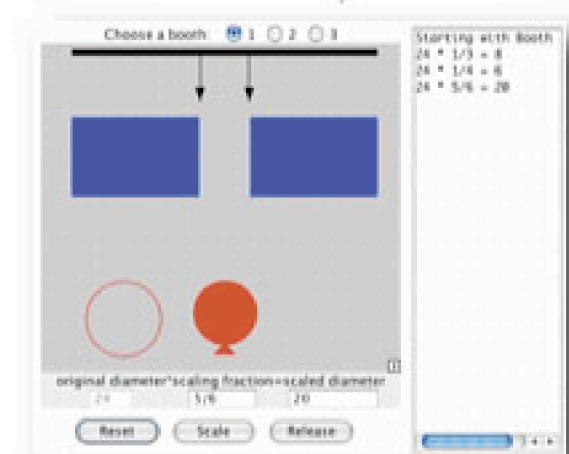
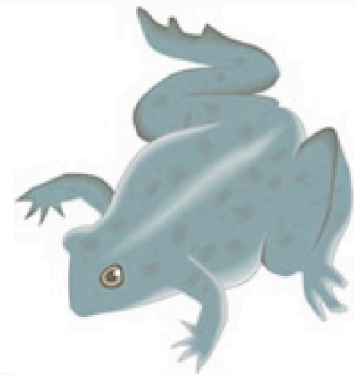
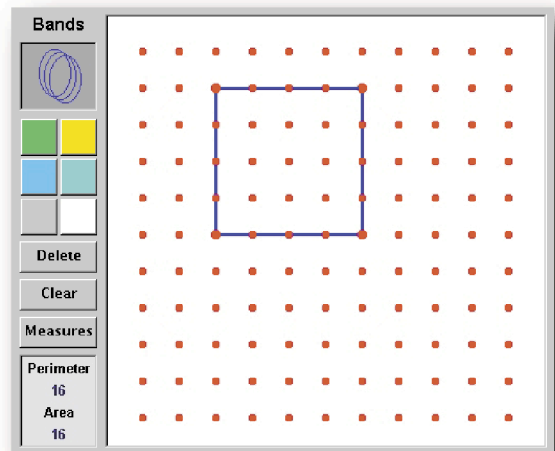
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<http://mathforum.org/toolsandconcepts/>

Key features of this free program include:

- investigations of important mathematics curricular focal points using tools for generating and organizing data.
- use of the Math Forum's Math Tools, a digital library of technology tools, lessons, activities, and support materials for teaching and learning mathematics.
- support for teachers to work collaboratively online to continue their professional development throughout their careers.

This workshop is made possible by a grant from the Microsoft Corporation.



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