



NATIONAL COUNCIL OF
TEACHERS OF MATHEMATICS

THE NATION'S PREMIER MATH EDUCATION EVENTS

Anaheim, CA | July 27–29, 2015

Engaging Students in Learning:

Mathematical Practices & Process Standards

AN NCTM INTERACTIVE INSTITUTE FOR GRADES 3–8



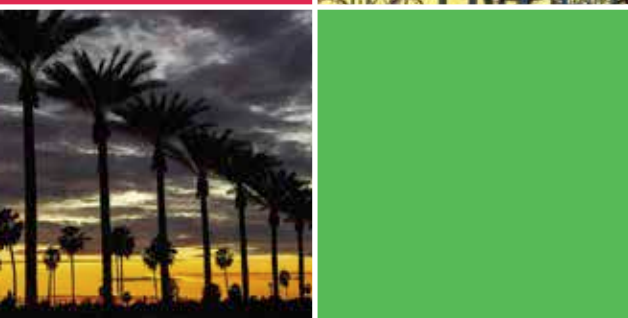
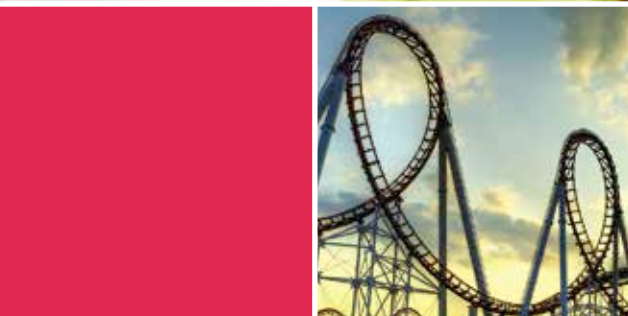
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Join us in Anaheim for a focused professional learning experience that will help you transform your classroom into an environment where students will learn how to examine, interpret, and think critically about math concepts.

- **Explore teaching, learning, and assessment** related to the mathematical practices in the Common Core State Standards and the NCTM Process Standards.
- **Discuss best practices** to support students' learning of mathematical content and processes
- **Learn practical strategies** to prepare your students for success in college and beyond.

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features

530 The Language of Mathematics

*Faye Bruun, Joan M. Diaz,
and Valerie J. Dykes*

Students may excel in computation, but their ability to apply their skills will suffer if they do not understand the math vocabulary used in instructions and story problems. This action research project examined two methods for strengthening students' ability to communicate mathematically.

538 Mapping the Way to Content Knowledge

*Lisa L. Poling, Tracy Goodson-Espy,
Chrystal Dean, Kathleen Lynch-Davis,
and Art Quickenton*

An exploration and development cycle emphasizing the use of concept maps for subtraction can expand preservice teachers' understanding.

548 Three Steps to Mastering Multiplication Facts

*Gina Kling and
Jennifer M. Bay-Williams*

First understand what fluency is, then use these games and a sequence of strategies to help your students develop facility and confidence.



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Three-part appendix for "The Language of Mathematics," **p. 530**

Appendix of additional problems for "Mapping the Way to Content Knowledge," **p. 538**

Appendix of additional games for "Three Steps to Mastering Multiplication Facts," **p. 548**

Student activity sheet for the Postscript department, **p. 576**

The **more4u** content, an additional benefit, is for members only.

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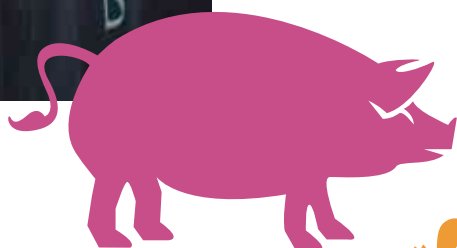
in the next issue

+ *Teaching Children Mathematics (TCM)* does not publish an issue in June or July, but watch for an email in June giving you access to some of our favorite articles from the 2014–2015 volume as well as a complimentary copy of articles from our sister journals, *Mathematics Teacher* and *Mathematics Teaching in the Middle School*.

The July email will have some favorites from the TCM Editorial Panel and a preview of TCM's Fall 2015 issue.



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