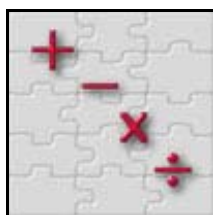




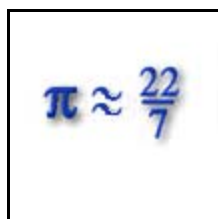
Mathematics Materials for Tomorrow's Teachers

Produced by the M2T2 Team in cooperation with the Office for Mathematics, Science, and Technology Education (MSTE) at University Of Illinois at Urbana-Champaign

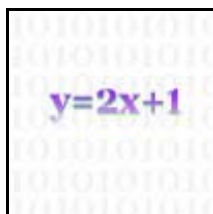
Materials Connected to the Illinois Learning Standards for Middle School Mathematics



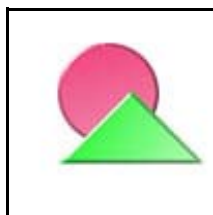
Goal 6: Number Sense



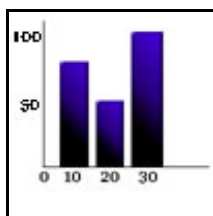
Goal 7: Measurement



Goal 8: Algebra



Goal 9: Geometry



Goal 10: Statistics

www.mste.uiuc.edu/m2t2/

Table of Contents

Section A: Introductory Material

Section B: Number Sense

Section C: Measurement

Section D: Algebra

Section E: Geometry

Section F: Statistics

Mathematics Materials for Tomorrow's Teachers

Project Manager: *George Reese*

Principal Investigator: Kenneth J. Travers

ISBE Division Administrator for Mathematics and Science (2000-2001): *Claran Einfeldt*

Primary Writing and Editing Team: *George Reese, Jana Sebestik and Peter Braunfeld*

Applet Programmers: *Jim Dildine, Nick Exner, Michael McKelvey and Kristen Carvell*

Contributing Authors and Editors:

Jan Wright

Larry Wessels

Arvurm Weinzweig

Lawrence Turner

Fern Tribbey

Ken Travers

Kathleen Smith

Ed Susmilch

Luciano Sestito

Jana Sebestik

Anthony Scott

Shelley Schmidt

George Reese

Sue Pippen

Randy Pippen

Evangeline Pianfetti

Margery Osborne

Jill Ohm

Anne Munroe

Michael McKelvey

Linda Lawrence

Todd Lash

Marie Jernigan

Tim Hendrix

Megan Forness

Nick Exner

Claran Einfeldt

Martha Eggers

James P. Dildine

Astrida Cirulis

Kristen Carvell

Lecretia Buckley

Peter Braunfeld

Lisa Bievenue

Jeremy Bartusch

These materials are available on the World Wide Web at <http://www.mste.uiuc.edu/m2t2/>

The M2T2 team thanks the many trainers in the Illinois regional offices of education who have conducted M2T2 workshops and provided valuable feedback for the ongoing development and revision of these materials.

Statement of Philosophy by M2T2 Development Team

The M2T2 materials were developed under the direction of the Office for Mathematics, Science, and Technology Education (MSTE) at the University of Illinois at Urbana-Champaign by a team consisting of teachers, administrators, university researchers, mathematicians, graduate students, and members of the Illinois State Board of Education. It was our goal to create modules that are interesting, mathematically rich, challenging, and appropriate for students and teachers in the middle grades. We have also worked to connect these modules to the Illinois Learning Standards for mathematics with a special view toward preparation for the Illinois Standards Achievement Test (ISAT).

We encourage you to consider the following points as you work with students and teachers with these materials.

- There is a creative tension between the reform-based, standards-based approaches to mathematics education and a standardized test like the ISAT. These materials seek to illustrate the concepts and advocate approaches in line with the Illinois Learning Standards. Using them in the way in which they were intended is the responsibility of the teachers with support of their administrators.
- These materials are not a complete curriculum. They focus on in-depth understanding of a few concepts in mathematics and are not intended to cover a broad range of topics.
- Preparation for exams is a continuous process that is spread throughout the year. The materials discussed are not intended as a single review session for the ISAT exams.
- We welcome comments and suggestions for improving these materials. Please send your comments to m2t2@mail.mste.uiuc.edu.

Postal Address:

M2T2 at the MSTE Office
Room 341 Armory Building
505 East Armory Ave.
Champaign, IL 61820
Phone: (217) 244-7486
Fax: (217) 333-2605

