

## Math-Ese

Revising the Ancient Language of  
Mathematics  
Improving Mathematics  
Comprehension Through Literacy

- Students at collegiate level do not understand mathematic language
  - Numerator
  - Denominator
  - Reduce
- Low scores on math portion of mandated tests in public schools especially on word problems
- Connection?

## Introductions

- Shawna Lyle
- Jana Peterson
- Pauline Hodges
- Elaina Stewart
- Jerry Mihelic
- Maggie Cline
- Robin Coffman
- Nancy Roberts
- Gwen Strain
- Joyce Shrock
- Representatives from business in the area
- External Evaluators
- Kyle Dahlem, OSRHE

## Benefits of Workshop

- Ready to use Lesson Plans
- New Teaching Strategies
- Supply and Resource Information
- Information about Literature to Use While Teaching Mathematics
- Exposure to Teaching with Technology
- Books, Supplies, Posters, Manipulatives

## Workshop Schedule

- Tuesday – Friday 8am-5pm
- Monday – Wednesday 9am-4pm
- Thursday & Friday - optional
- Five Follow-up Dates (Two Lesson Plans including one on following topics)
  - Sept. 9 "Cool Tools to Solve Challenging Word Problems"
  - Oct. 7 "Comprehension of Word Problems"
  - Oct. 28 "Mastering Math Vocabulary"
  - Nov. 18 "Using Manipulatives and/or Technology to Solve Math Problems"
  - Dec. 9 "Using R & R to Teach Mathematics"

## Workshop Schedule

- Divided activities
  - Elementary 2-8 – HMH 109
  - Secondary 9-12 – HMH 108
- Combined activities – HMH 127
- Lunch – OPSU Grill, Ballroom and Cafeteria
- Breaks – morning and afternoon
- Bathrooms
- Copy machines, telephones, etc.

## Requirements

- Attendance
- Portfolio (Resource File)
  - Fours Sections
    - Lesson Plans
    - Teaching Strategies
    - Supply and Materials Information
    - R & R Information
- Journal Entries

## Requirements

- Lesson Plans including reflections
  - Following Supplied Format
  - Covering Math and Literacy
  - Including Sample Student Work Showing Mastery of Objective
  - Including Reflections
- Pre/post test at your school for unit taught