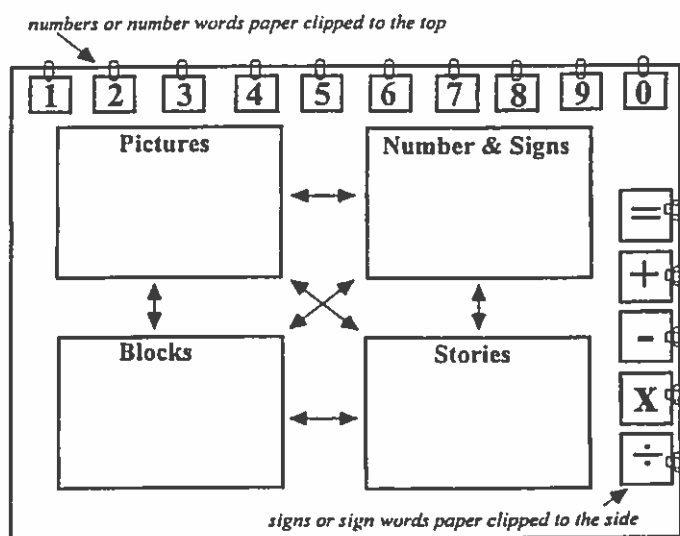


My Math Board & Representing Algebra Equations

by Marilyn Miller,
with appreciation to Dawn Reithaug
LAT/Resource Teacher
Trafalgar Junior Secondary School
SD #8 (Kootenay Lake)

My Math Board is an elementary level strategy which was presented by Dawn Reithaug at the SEA Crosscurrents Conference. Dawn's aim was to encourage students to develop their interest, understanding and involvement in math, and particularly to emphasize the visual understanding of math operations. Each quadrant on the board is connected to all the others. The arrows highlight the connections. Students can discover the relationships between and among the four presented ways of expressing the simple math operations of addition, subtraction, multiplication and division. The board looks like this:



However, as I teach math at the grade 7-9 level, I needed to adapt Dawn's strategy to a higher content level. I used Dawn's strategy as a foundation for building a process for representing algebra equation problem solving in four ways. I too wanted to emphasize relationships between and among the different representational methods and to emphasize

REPRESENTING ALGEBRA EQUATIONS IN 4 WAYS

ALGEBRA TILE DRAWING

ALGEBRAIC EQUATION

FLOW CHART

WORD PROBLEM

