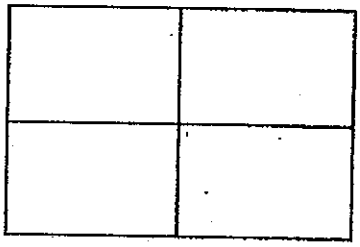
erikson
early mathematics education
INNOVATIONS

Summer Institute, Day 2
6/19/2012

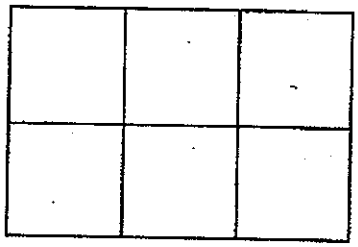
Agenda

- *Begin with Breakfast*
- Investigation: Sharing Pizza
  - What is a whole? What is an equal part?
- CCSS for Mathematical Practice
  - What do they mean? How do they look & sound?
- Math Games: Mancala & 21
- *Break for Lunch*
- Getting the Most Math out of Routines
- *Gathering to End the Day*

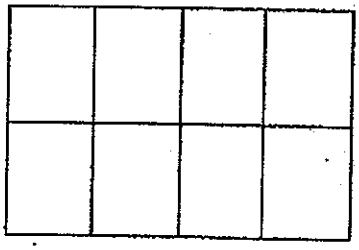
2. At Creative Cuts Pizza, all the pizzas are the same size, but they are called Small, Medium, or Large, depending on the size of their pieces. Thus, there are 4 large pieces in a large pizza, 6 medium pieces in a medium pizza, and 8 small pieces in a small pizza. You order a medium garlic-artichoke pizza and a small spinach-pineapple pizza. As before, you eat $\frac{2}{6}$ of the garlic-artichoke and $\frac{3}{8}$ of the spinach-pineapple. How much of the pizza did you eat this time?



Large

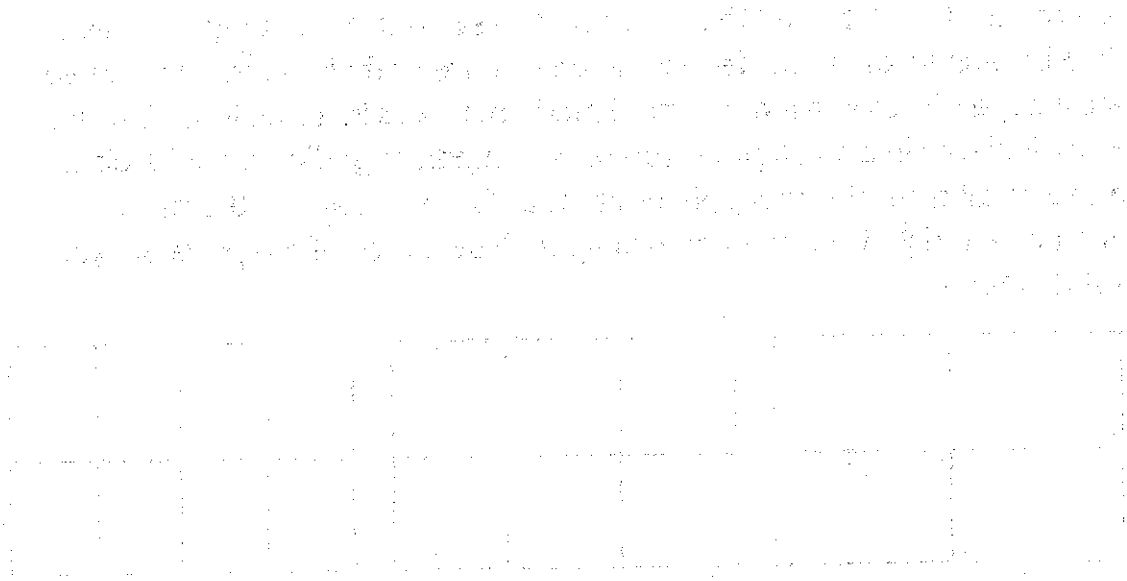


Medium



Small

(Problem reprinted from *lenses on Learning, Module 2: Teacher Learning for Mathematics Instruction* by C.M.Grant et al. [Dale Seymour, 2003]).



Thinking About the BIG IDEAS of Fractional Number Sense

BIG IDEAS	Notes (examples, models, skills or other musings)
Fractions are equal parts of a whole.	
A whole or unit can be divided into equal parts in many different ways.	
A unit may be a single object or may be a collection of things.	

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Getting the Most Math out of Routines

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Name of the Routine	What math learning does it support?	How does the math learning change over time? (Write in new focus/ how emphasis shifts)	How much time does it take daily?	How does the time it takes change over time?