

Welcome to the

**erikson**

early math collaborative

INNOVATIONS

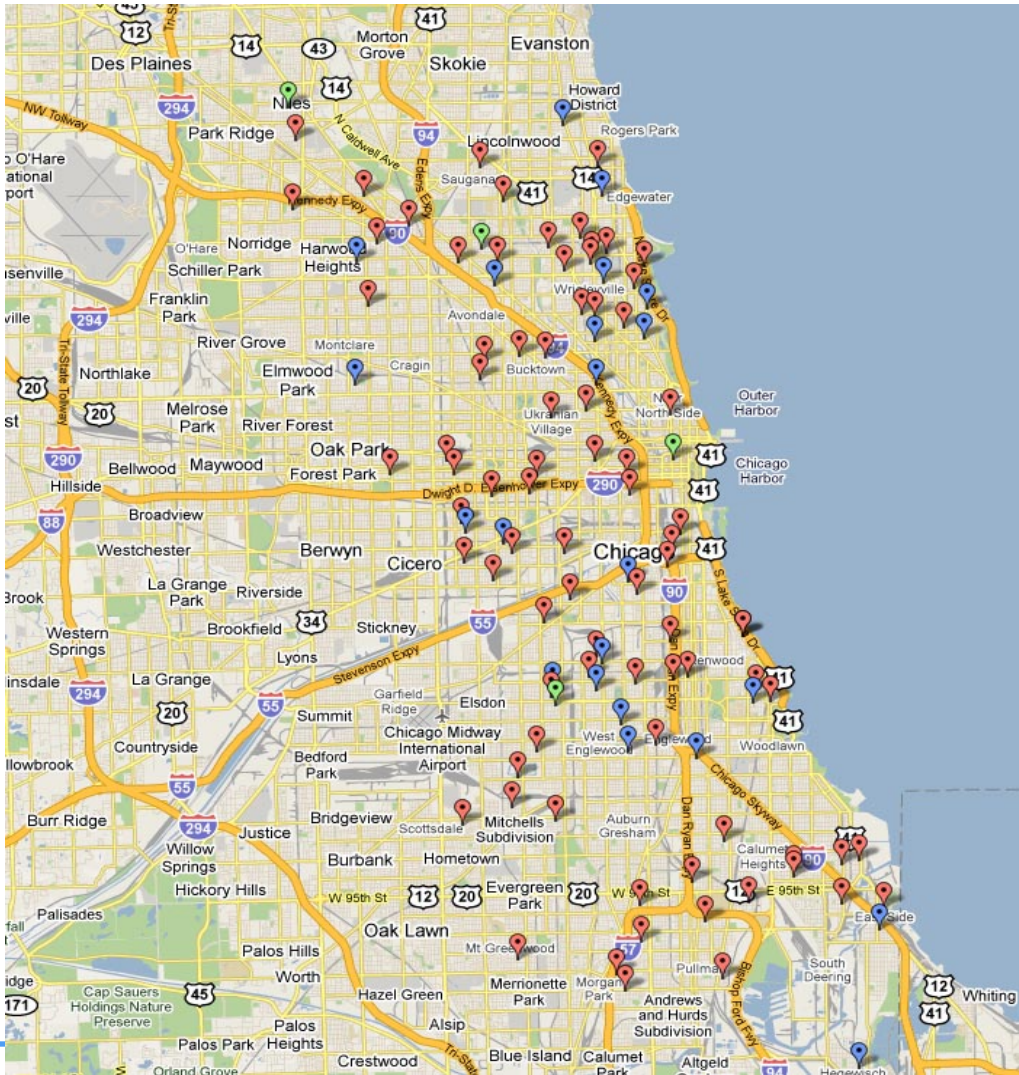
Summer Institute

August 15, 2013

# Agenda

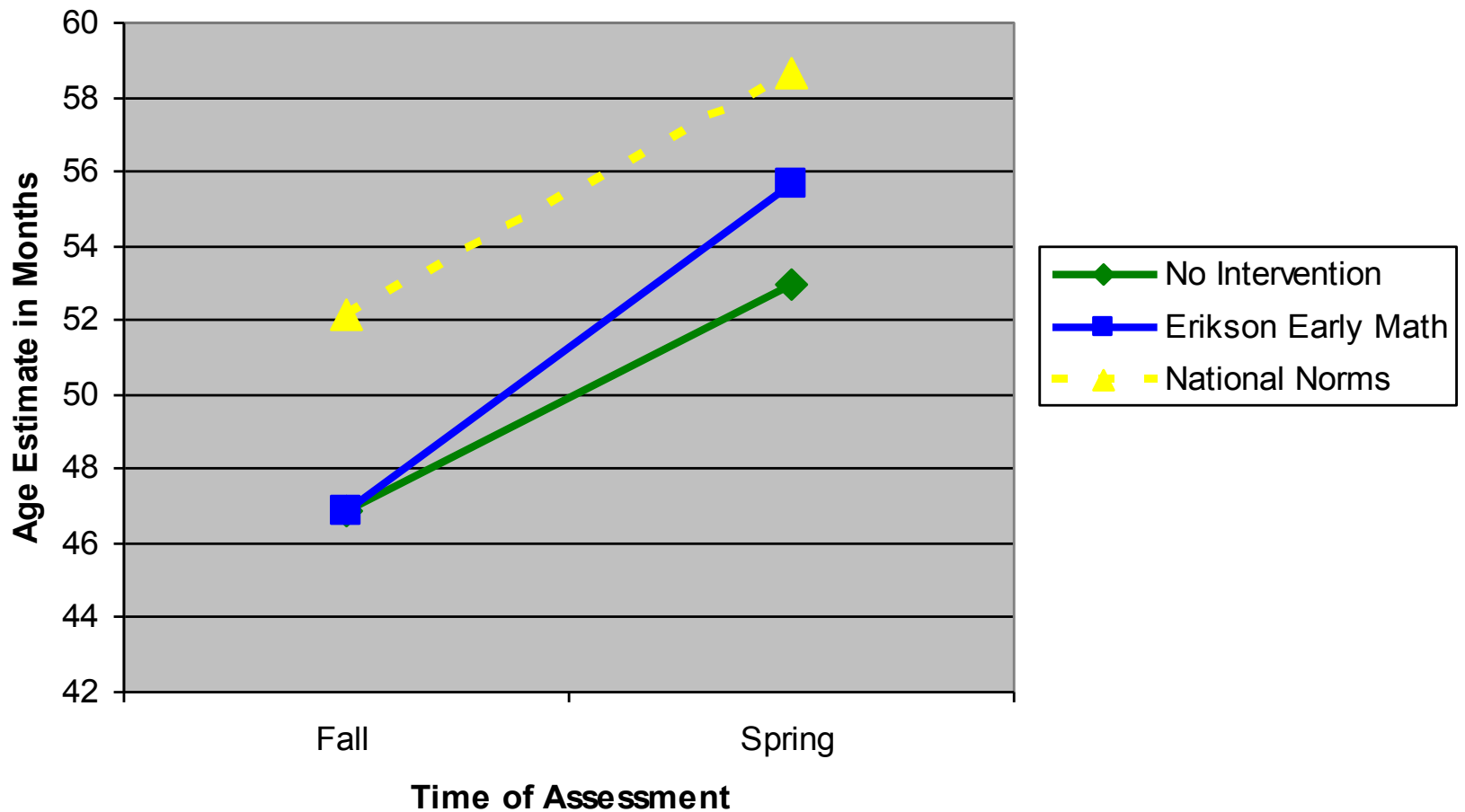
- Where have we been?
- Where are we going?
- Lesson Study in Depth

# Before the innovations Program



- **Schools: 150**
- **Teachers: 290  
(90 for 2 yr PD)**
- **Coaches: 98**
- **Students/yr: 9,300  
approx. 85% of them  
are minorities from  
low-income families**

## Effect of Early Math Education Project on a Hypothetical Child Who is 5 Months Behind in the Fall





# i3 Innovation Grant

- 1,698 applicants
- 49 awardees
- Our proposal ranked 8<sup>th</sup>,  
the only one in Chicago

# Recruitment

- High-need student population
- Fewer than 70% met or exceeded state standards in math
- Low mobility rates
- FACULTY INTEREST





























































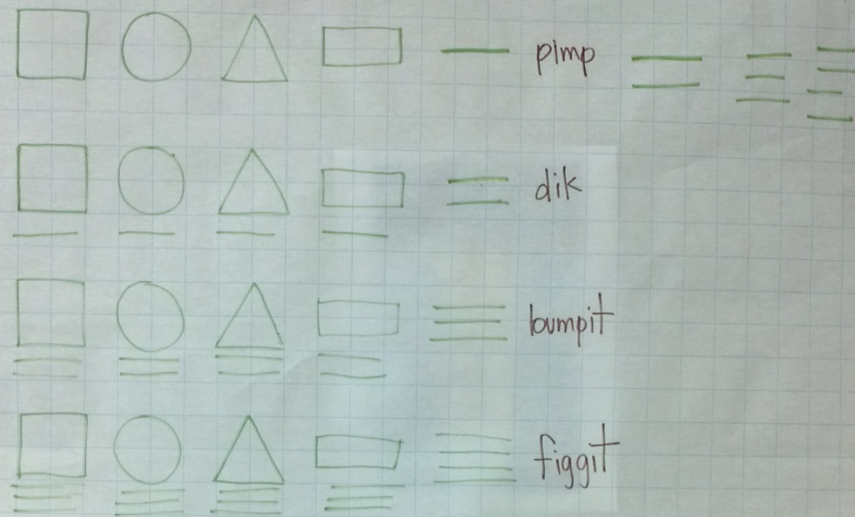












We assigned ~~each~~ a <sup>value</sup> ~~symbol~~ to each <sup>symbol</sup> ~~value~~.

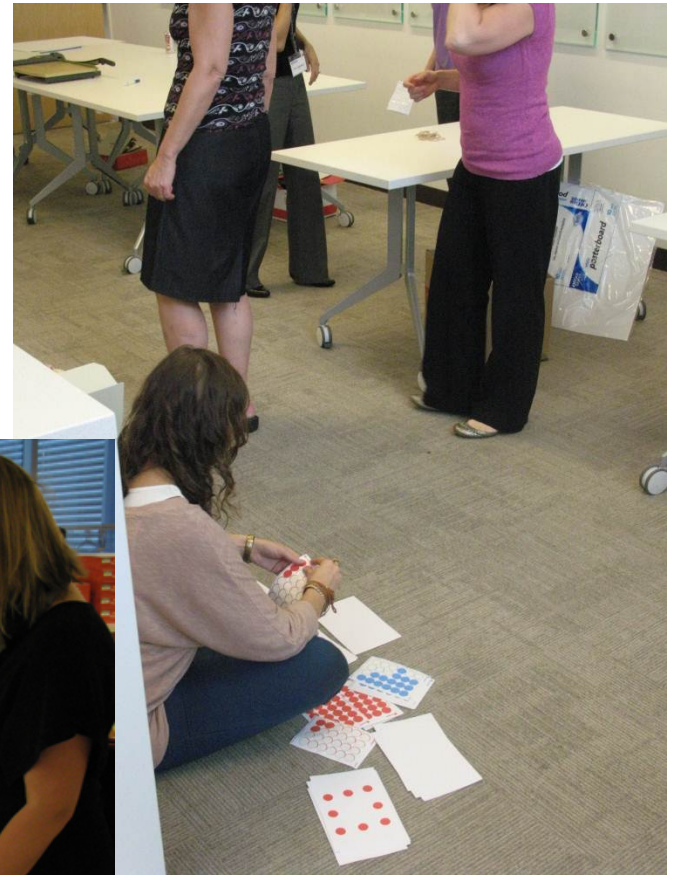
Next we continued the pattern using the symbols & values.

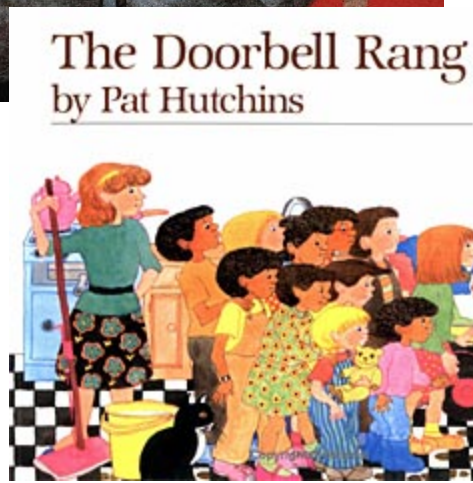
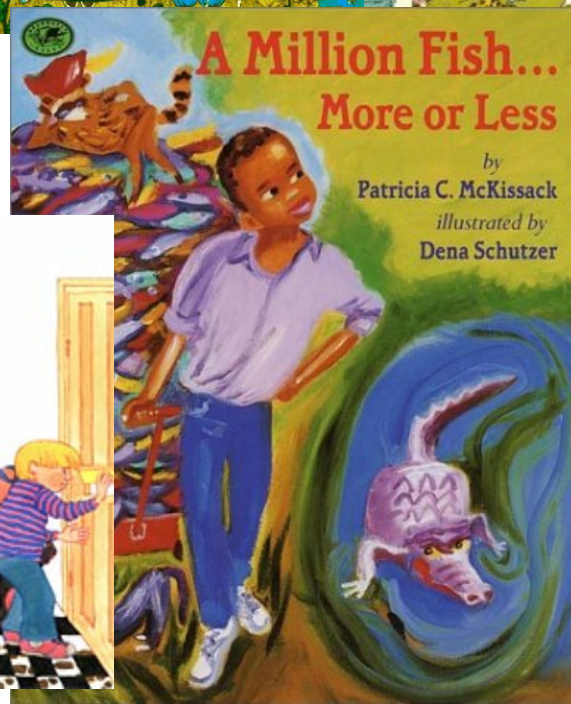
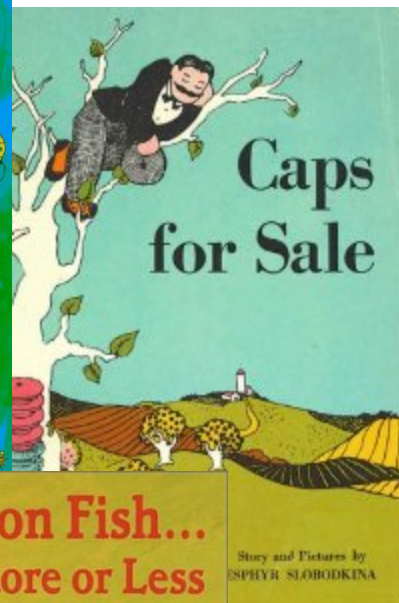
Last we checked our work to determine if the pattern and sums <sup>were</sup> ~~were~~ correct.













# Standards for Mathematical Practice Toolkit

Summer Institute • 2012













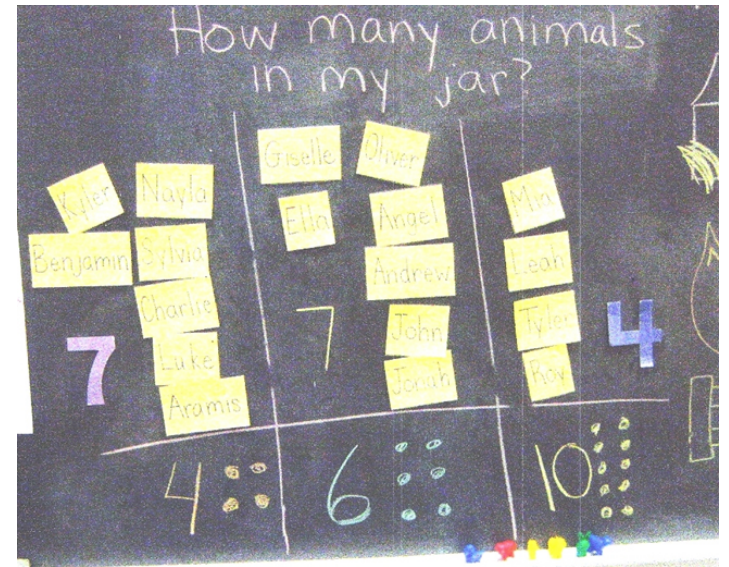
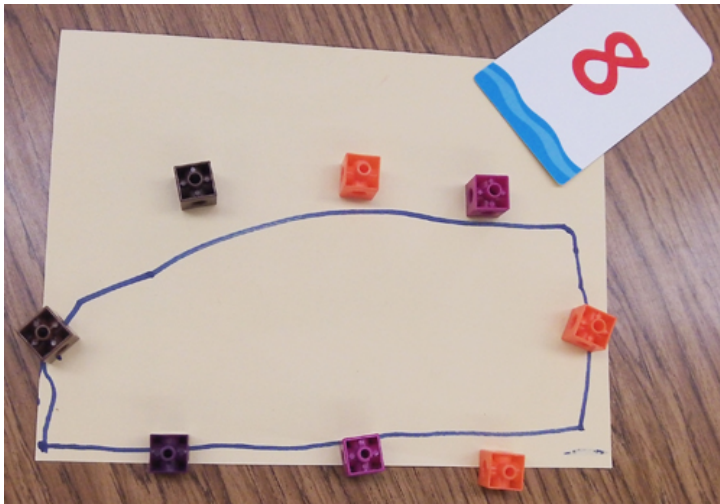
# Results So Far...

- Knowledge for Math Teaching: Online Survey
  - Significant increases from Fall to Spring ( $p < .05$ )
  - Particularly strong increases in
    - How math content areas connect to one another
    - How math content understanding develops in the thinking of children
    - How to assess children's understanding in math

# Results So Far...

- Math Teaching Practice: Observation
  - Trend toward increased use of high-impact math teaching strategies from Fall to Spring ( $p < .056$ )
  - Significant correspondence between the use of these strategies and the amount of growth in children's math achievement (WJ:  $p < .04$ ; TEAM:  $p < .03$ )

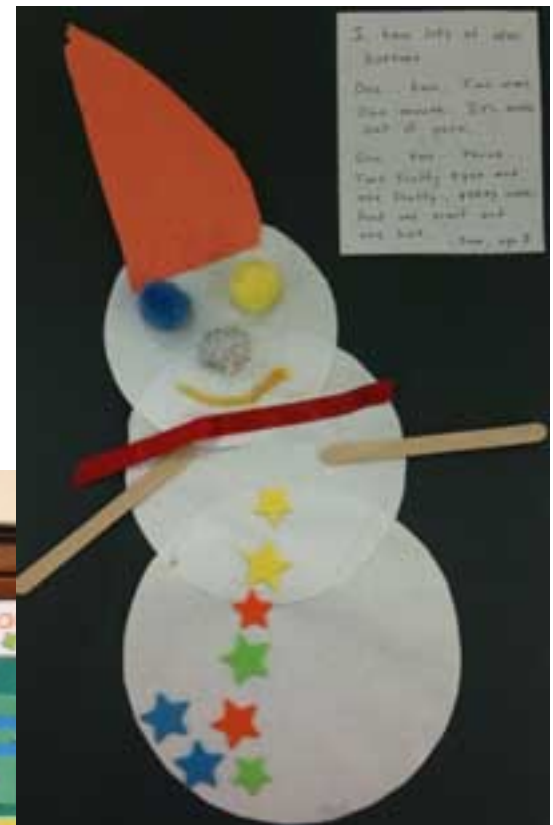
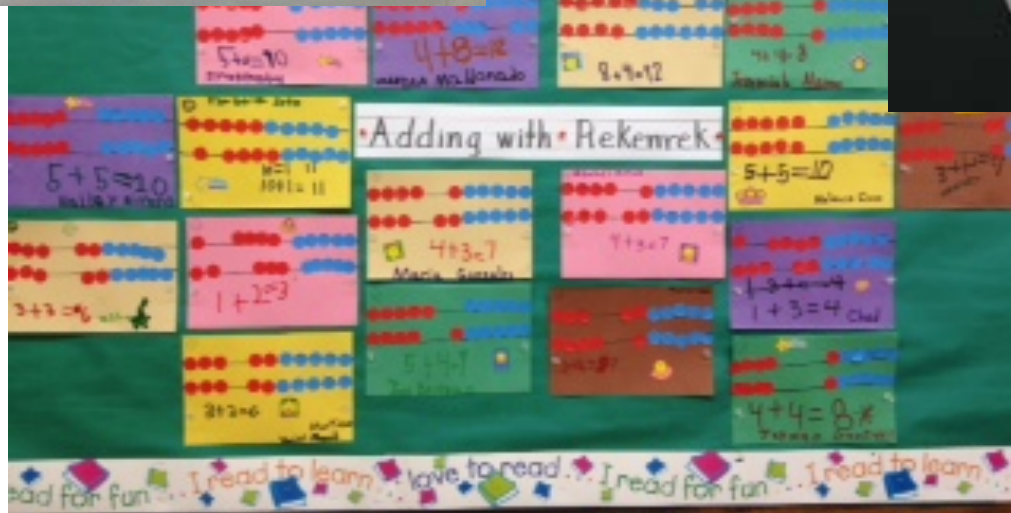




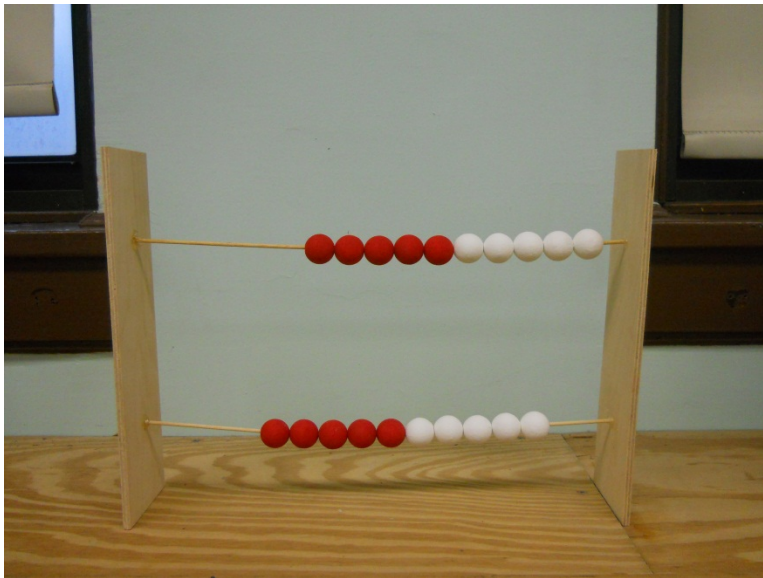
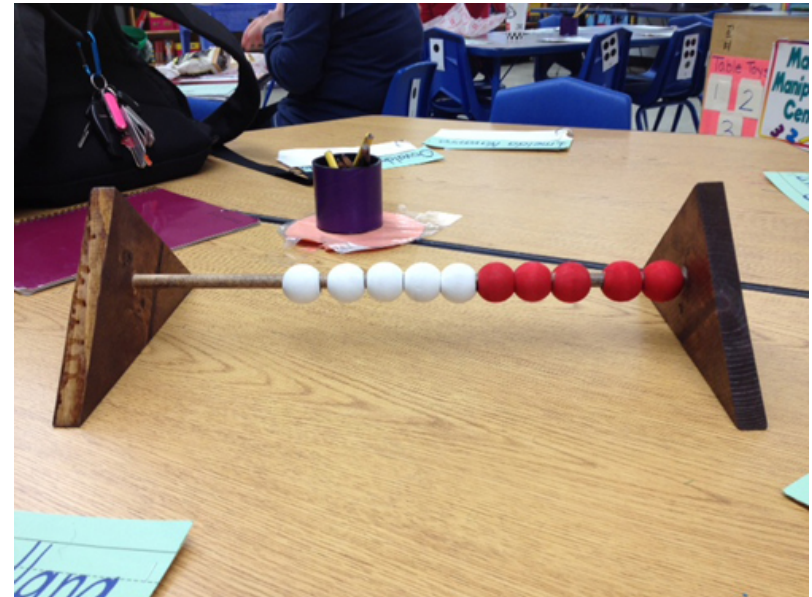
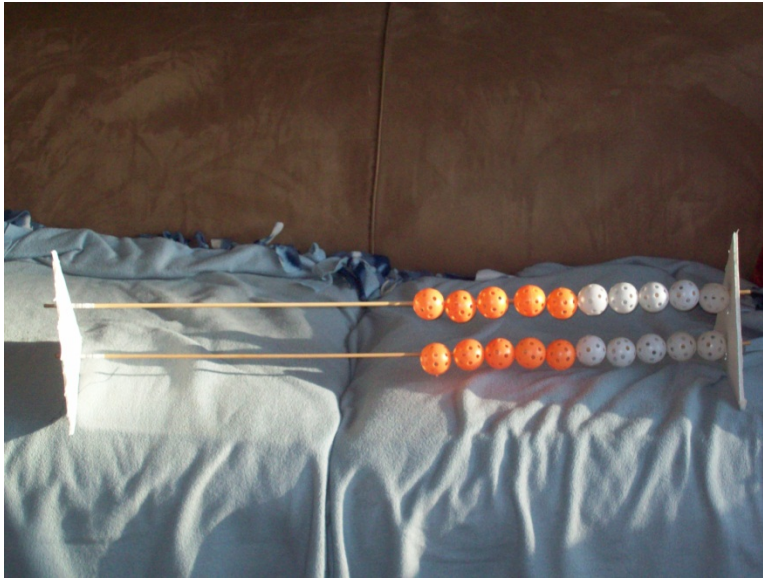
# Turn<sup>a<sub>n</sub></sup> Talk

1. Eyes on Mrs. Russell 👁️👁️
2. Mrs. Russell asks a question ?
3. Turn and talk to partner  
Sit knee to knee, eye to eye
4. Listen for signal 🖐️🖐️
5. Eyes on Mrs. Russell 👁️👁️

I read for fun... I read for fun... I read for fun...







# Looking Ahead...

- More emphasis on school-based services
  - Coaching,
  - Grade level meetings,
  - Etc.
- Less emphasis on learning labs



Service	Status
Learning Labs	Morning of Friday, Jan 24; Date TBD in Spring
Coaching	Continues
Grade Level Meetings	Continues
Leadership Academy	Continues
Lesson Study	Begins