

Using Anchor Tasks to Engage Learners

Deepening Understanding through
Exploration and Discourse

Math Champions Professional Development



Beth Curran

Lead Trainer and
Instructional Coach

Beth@MathChampions.com



Cassy Turner

Founder

Cassy@MathChampions.com

www.singaporemathsource.com

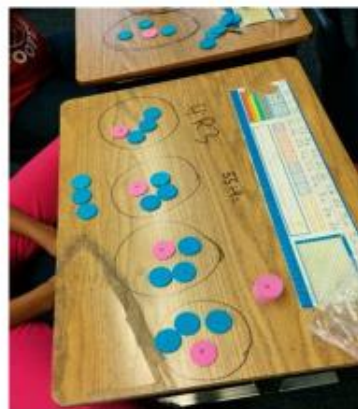
Five Big Abilities

1. Number Sense
2. Visualization
3. Communication
4. Metacognition
5. Generalization

Anchor Task

Four Key Components

- Exploring
- Structuring
- Reflecting
- Journaling



Lesson:

Objective:

Date:

Warm-Up:	
Anchor Task:	
Structure: (Methods)	
Reflection/Guided Practice: (Textbook)	Journaling:
Activity:	
Practice/Homework: (Workbook)	

Problem 1: 3rd grade

Using all the pieces, how many different quadrilaterals can you make? How many that are 3 square units? 2 square units? 1 square unit?

Problem 2: 4th grade

There are 20 cookies in a sleeve of Girl Scout cookies. You and two friends each eat $\frac{1}{4}$ of the sleeve. How many cookies did you and your friend eat altogether?

Problem 3: 5th grade

4 friends share 3 pizzas equally. What fraction of a pizza does each friend get?
What if 2 friends share the 3 pizzas?

Questioning for Differentiation

- ✓ Can you prove it?
- ✓ How do you know?
- ✓ Can you solve it another way?
- ✓ Can you draw a picture or make a model to solve it?
- ✓ I wonder how this is like what we practiced yesterday?
- ✓ Can you find a connection with something you already know?
- ✓ What if...?