

# Using Anchor Tasks to Engage Learners

Deepening Understanding through  
Exploration and Discourse

## Math Champions Professional Development

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## Five Big Abilities

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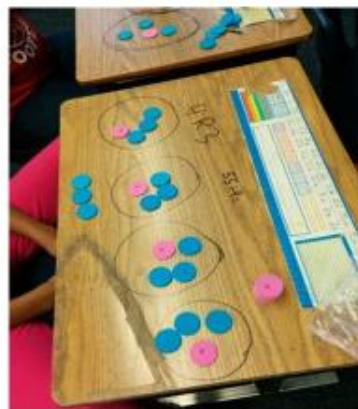
1. Number Sense
2. Visualization
3. Communication
4. Metacognition
5. Generalization

## Anchor Task

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### 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: 5<sup>th</sup> 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

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- ✓ 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...?