

# Nose Knows

## In a Pickle - Lesson 2



### For the Classroom:

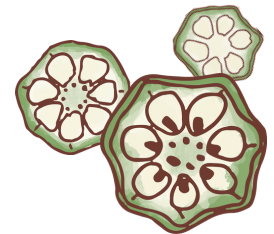
- Group structure - whole group or small group
- Location - at tables
- Approximate time - 15 minutes

### Standards:

- CCSS.MATH.CONTENT.2.OA.C.3. Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.
- CCSS.MATH.CONTENT.3.OA.A.3. Use multiplication and division within 100 to solve word problems in situations involving equal groups, arrays, and measurement quantities, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.1

### Materials:

- 2 wide mouth jars filled with okra (from Lesson 1)
- 10 cups or Ziploc bags
- 4 garlic peeled cloves, 2 oregano sprigs, 2 basil sprigs, 2 bay leaves
- Optional: [“Quick Pickle Ingredient” Cards](#) (if ingredients are not available)



### Procedures:

#### 1. Engage:

- a. “Let’s explore some flavors we can add to our okra pickles!”
- b. Place each of the 10 aromatics and herbs listed above in individual cups or bags so they can be handled and passed around without being touched.
- c. “I am going to pass around some secret ingredients for you to look at and smell - but please do not touch or taste yet.” Pass the containers around the class so each student can look at and smell each ingredient.
- d. When all ingredients are back to the front of the class, hold up one at a time. “Show me thumbs-up/thumbs-down, do you think you know the name of this ingredient? Put your hand in the air if you’d like to share anything you think you know about this ingredient.”

#### 2. Explore:

- a. “Now, we need to divide each of these ingredients between our two jars.” If the ingredients are not available, you could also use the [“Quick Pickle Ingredient” Cards](#) to practice division.
- b. “If we have 4 garlic cloves, can we divide them evenly between two jars - is 4 an even number? Or will we have one left over when we divide them into two groups - is 4 an odd number?”
- c. “If we have 4 garlic cloves divided between 2 jars, show me on your fingers, how many garlic cloves will go in each jar?” Demonstrate how one can go in one jar, then one can go in the next jar. Continue until the ingredient is gone.
- d. Repeat for oregano, basil, and bay leaves.

#### 3. Explain:

- a. “Herbs and aromatics add a lot of flavor with just a little bit. Aromatics are vegetables that are aromatic, or have a strong aroma, or smell, like garlic, onion, or ginger. Herbs are leaves of plants that have a strong smell as well.”

Lesson Created by Jenna Mobley for Georgia Organics