

Math & Science Collaborative Lesson Plan



Lesson Title: Building Fraction Vocabulary

Unit Learning Target (Standard/Performance Expectation(s)) Use and demonstrate understanding of the fraction. vocabulary of whole, half, and quarter.		
Building Block or Lesson Learning Target: Dividing units into four equal parts or $\frac{1}{4}$ s	Student Success Criteria: Students correctly dividing a sandwich into four equal parts	
Previous Lesson Learning Target: Dividing units into halves or $\frac{1}{2}$ s		
Target Introduction/ Thinking Question * We have four people and only one sandwich. How can we divide the sandwich so each person receives the same size portion?		
Lesson Progression (Flow) with Talk-Structures Begin with paper sandwiches. Ask for ideas on how to divide the sandwiches equally. Ask the students to divide their sandwich into four equal parts using a crayon to mark the division lines. Ask the students to cut the crayon lines into 4 equal sandwich parts Stack the parts on top of each other to see if they are equal.	Anticipated Misconceptions: Four parts does not mean <u>equal</u> parts	Formative Task or Question* <i>Designed to elicit student misconception(s)</i> Divide a sandwich into 4 parts that are not equal. Ask the students, “Are these pieces fair? Are they all the same? How can I divide a sandwich fairly or equally?”
	Key Terms In Lesson: whole half quarter equal parts	
Lesson Closure Pass out real sandwiches to groups of four and have the students divide the sandwiches into $\frac{1}{4}$ s.		Exit Task* Students eat the equal $\frac{1}{4}$ s

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Northwest Educational
Service District 189

Together We Can

Do the Math for the Thinking Question

$$1 = \frac{1}{2} + \frac{1}{2} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = 1$$

Anticipated Misconceptions:

Instructional Adjustment(s) (if needed) *Tied to common misconception(s)*

If parts are not equal reteach the $\frac{1}{2} + \frac{1}{2} = 1$
Use different manipulatives and reteach 1 whole divided into 4 equal parts.

Manipulatives and materials to include and have ready to support the lesson *

Sandwich bread
Square and circle paper
cookies

* Opportunity for formative assessment