

Lesson Title: Multiplying Fractions Designer: Robin Carden
Discipline: Math Grade Level: 4-5

Activity 1: Roll to Multiply Fractions

(Appropriate for AFTER the Broadcast Lesson)

Activity Goal: Practice multiplying fractions by whole numbers

Targeted Literacy/Math Skills: Multiplying fractions by whole numbers

Materials: Scissors, pencil, dice ([TeacherLed](#)), and [“Roll to Multiply Board”](#).

Steps:

1. Roll the die.
2. Pick a unit fraction card.
3. Multiply the whole number rolled by the fraction card chosen.
4. Complete the organizer by writing the equation, solving the equation using an area or length model, and using a number line.
5. Repeat steps 1-4 three times.

Activity 2: Smoothie Fractions

(Appropriate for AFTER the Broadcast Lesson)

Activity Goal: Rewrite a recipe to make a bigger batch of smoothies.

Targeted Literacy/Math Skills: Multiply fractions and whole numbers

Materials: Pencil and [“Smoothie Fractions page”](#).

Steps:

1. Read the problem.
2. Decide how many times greater 28 is than 4.
3. Multiply each ingredient by how many times greater you need to make the recipe.
4. Rewrite the smoothie recipe to make a batch for 28 people.

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Additional Resources for Lesson-Related Extension Activities:

- **Student-Facing**
 - Farmer's Market Problem - <https://tinyurl.com/1m2a80f4>
 - Interactive practice multiplying fractions grade 4 (iknowit) - <https://www.iknowit.com/lessons/d-multiplying-fractions-by-whole-numbers.html>
- **Teacher-Facing**
 - Grade 4 (4.NF.4) About the Math, Learning Targets, and Rigor (HCPSS) - <https://hcpss.instructure.com/courses/107/pages/4-dot-nf-dot-4-about-the-math-learning-targets-and-rigor>
 - Grade 5 (5.NF.4) About the Math, Learning Targets, and Rigor (HCPSS) - <https://hcpss.instructure.com/courses/108/pages/5-dot-nf-dot-4-about-the-math-learning-targets-and-rigor>