

T E X A S   A D U L T   E D U C A T I O N   S T A N D A R D S  
L E S S O N   P L A N

**Before you begin**

**Title:** Understanding Fractions (phase one): Fractions, Ratio and Proportions in the Kitchen

**Setting:** ABE/ASE

**NRS Level(s):** Level 3: Low Intermediate Basic Education  
Level 4: High Intermediate Basic Education

**Open entry/exit:** Yes

**Context:** Family

**Standard(s):** Use Math to Solve Problems and Communicate

**Benchmark(s):** 1.3, 1.4

**Objective:** To distinguish fractions from whole numbers; to interpret, illustrate, create, and summarize the concept of fractions.

**Materials:** Flip-flash math (fractions), several cooking recipes and their ingredients, measuring spoons and cups, paper and pencil, lesson outline.

**Estimated time needed to prepare for this lesson plan:** 15 minutes

**Estimated time needed to complete this lesson plan:** (4) 1 hour lectures; (4) 30 minute tutoring sessions.

**The Lesson Plan**

**Introduce the Lesson:**

As a class, ask students to brainstorm situations they have needed to increase or reduce the measurements of something.

**Teach the Lesson:**

Provide visual representations of fractions (e.g. pies and rectangle segmentations).

**Practice the lesson:**

Students will individually complete an activity “Fractions, Ratio, and Proportion in the Kitchen.” The student will be given a recipe and instructed to double and triple the measurements.

**Assess the lesson:**

Individually, students will be given a real world problem situation that requires manipulation of fraction skills and that will demonstrate problem solving strategies. Responses will be made orally and in writing.

**Apply the lesson to the real world:**

Lesson is beneficial for learning meal planning for large groups of people. In addition, this lesson is useful for making home repairs (e.g. window measurements).

**Submitted by:** Alvin LeBlanc