

## RATIOS AND PROPORTIONS RECIPE PROJECT

You will apply ratios and proportions to help you convert a recipe to serve more people.

*You have found your favorite recipe for a dessert or appetizer and want to bring it to the class party. The problem is your recipe does not serve enough people. Use proportions to increase the recipe to serve all the people in class including your teacher. Make 1 serving per person.*

For this project you will need to:

1. Choose one recipe from the internet, cookbook, or home.
2. The recipe must have at least 8 ingredients, must have the number of portions it makes (must serve greater than 4 people and less than 10).
3. Use proportions to increase the recipe to serve thirty people (1 serving per person).
4. Complete the table below.

**If time permits** you will make a brochure that includes the following: (Use attached table to assist you)

- Original Recipe
- Ratio for one serving, for example: if the recipe used 1 cup of sugar, and the recipe serves 8, the ratio for one serving equals 1 to 8 c. sugar (think unit rate!)
- Proportion used to increase recipe to number of servings to give thirty portions. For example, if there were 30 people in class than  $1 / 8 \text{ servings} = x / 30 \text{ servings}$
- Round your measurements to the nearest half (i.e. 3.2222 teaspoons, rounds to 3 teaspoons, 3.6666 rounds to  $3 \frac{1}{2}$  teaspoons).
- Scaled Recipe - Ingredient and new amount needed to make thirty servings.
- Be creative! Use drawings, pictures, etc. to demonstrate your knowledge of ratios and proportions.





6th Grade Honors Math  
Ratios & Proportions Project

**Write About Your Strategies:**

Using complete sentences, describe the math you used to solve this problem.

---

---

---

---

---

---

---

---

---

---