**Cooking with Fractions**

**I encourage you to do this project with your parent(s)/guardian! Explain the math to them, have them help you with the cooking, answer the questions together on a *separate sheet of paper* and have your *parent initial* it! Have fun!**

1. Find a recipe that includes fractions for the amount needed for at least 5 ingredients. (ex: **½** cup of butter…)
2. If you were to feed our whole class this food, how many servings would you need? Calculate how many times more than the original recipe you would need to feed everyone. Choose a mixed number for this part.
	1. (For example, if the recipe makes 12 and we have 30 in our class, we need twice as many as the recipe calls for plus 6 more servings, or $2\frac{1}{2}$ times the original recipe. If your recipe makes 12 and we have 24 in our class though, we would only need two times the original recipe. Since we want a mixed number however, plan as if you were going to make a little extra and make $2\frac{1}{5}$ times the original recipe (or your favorite mixed number close to the amount you need).
3. Calculate how much of each ingredient you will need in order to make your food for our class.
4. Look up prices (or ask your parents to approximate) for each of the ingredients in your recipe.
5. Calculate the total cost for all your ingredients.
6. If you were to start a business, how much would you charge per serving you sell?
7. Repeat steps 2 & 3 with the same recipe, this time calculating how much of each ingredient you would need in order to make just enough for your family.

**Optional: If you would like to actually MAKE your food and bring it in Wednesday to eat in class, you are welcome to do so as a pre-Thanksgiving celebration!**

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