Math 51 – Fractions Activity   Names: _____

Lippman – Fall 2011

You are having a get together and are expecting 30 guests. You plan on serving Banana Bread, Chocolate Chip Cookies, and Sugar Cookies. Using the three recipes given, work with your group to create recipe cards to feed 30 people. Next, total up the ingredients needed. Then, check to see how much of each product needs to be purchased based on what is already on hand.

Banana Bread	Chocolate Chip Cookies	Sugar Cookies
3 bananas	$2\frac{1}{2}$ cups flour	$1\frac{1}{3}$ cup sugar
$\frac{1}{3}$ cup melted butter	1 teaspoon baking soda	$\frac{1}{2}$ cup butter
$\frac{2}{3}$ cup sugar	$\frac{3}{4}$ teaspoon salt	$\frac{1}{4}$ teaspoon baking soda
1 egg	$\frac{3}{4}$ cup sugar	1 egg
$\frac{3}{4}$ teaspoon vanilla	1 cup butter	$\frac{1}{2}$ teaspoon vanilla
$\frac{1}{2}$ teaspoon baking soda	1 teaspoon vanilla	$1\frac{1}{2}$ cups flour
$1\frac{1}{2}$ cups flour	2 eggs	
	$\frac{3}{4}$ pound of chocolate chips	
Serves 10 people	Serves 60 people	Serves 20 people

Use your new recipe cards to find the total amount of each ingredient needed. Use the table below to help you.

Ingredient	Recipe 1 + 2 + 3 (Don't forget to find common denominators before adding.)	Total needed (Be sure to simplify any fractions.)
Flour		
Sugar		
Butter		
Vanilla		
Baking Soda		
Eggs		

When taking inventory in the pantry, you found that you already have some of the ingredients. Use the following table to organize your work. Don't forget common denominators.

Ingredient	Total needed from above	Already in Panty	Needs to be bought
Flour		$3\frac{1}{2}$ cups	
Sugar		2 cups	
Butter		$\frac{3}{4}$ cup	
Vanilla		2 teaspoons	
Baking Soda		$1\frac{1}{2}$ teaspoons	
Eggs		2	