



Problem of the Week

Problem A

Baking Cakes

Todd has a great recipe for a cake. Here is a list of the ingredients and amounts needed to bake one cake:

1 cup white sugar
 $\frac{1}{2}$ cup butter
2 eggs
2 teaspoons vanilla extract
 $1\frac{1}{2}$ cups all-purpose flour
2 teaspoons baking powder
 $\frac{1}{2}$ cup milk

Todd would like to bake four cakes for his classmates. He already has the following ingredients and amounts at home:

6 cups of white sugar
3 cups of butter
8 eggs
9 teaspoons of vanilla extract
5 cups of all-purpose flour
8 teaspoons of baking powder
2 cups of milk

Does he have enough of each ingredient to make the four cakes? If not, which ingredient(s) does he not have enough of? How much more does he need?

