

Alternate Versions of Flour problem

1. For the question below do the following steps: Draw pictures or write number sentences to show why your answer is correct. If there is a remainder, tell what the remainder means for the situation.
Bill is making 22 small pizzas for a party. He has 16 cups of flour. Each pizza crust takes $\frac{3}{4}$ cup of flour. Does he have enough flour?
2. Bill plans to make some small pizzas for a party but isn't sure if he has enough flour. He has a 5 pound bag of all-purpose flour. The crust recipe calls for $\frac{3}{4}$ cup of all-purpose flour. He is not sure whether he will have enough flour on hand. He also isn't sure how many cups of flour are in a pound, so checked on the internet and found this statement:

The cup measure of 1 pound of flour will vary, depending on the type of flour. Here's a guide: If your recipe calls for 1 pound of all-purpose flour, use $3\frac{1}{3}$ cups. If your recipe calls for 1 pound of cake flour, use $4\frac{1}{2}$ cups.

- How many pizzas can Bill make with this flour?
- Suppose he needed to make 2 more—how might he do that without additional flour?