

7-2**Real-Life Career Activity*****Cake Baker***

Some bakers run their own businesses. As well as knowing how to bake, they must know about nutrition, business administration, marketing, and health and safety regulations.

Often bakers must adapt recipes to bake smaller or larger cakes. When the recipe contains fractions, bakers must multiply and divide fractions.

A recipe for a one-pound cake includes $\frac{1}{2}$ cup of walnuts. A baker wants to use the recipe to make a five-pound cake. The baker must multiply all of the ingredients by 5. How many cups of walnuts should she use?

$$\frac{1}{2} \times 5 = 2\frac{1}{2}$$

For the five-pound cake, the baker needs $2\frac{1}{2}$ cups of walnuts.

Solve.

1. A recipe for a two-pound cake includes $\frac{1}{4}$ cup of chocolate chips. A baker wants to make a ten-pound cake. How many cups of chocolate chips does she need?
2. A recipe for a one-pound cake includes $\frac{1}{3}$ cup of sugar. A baker wants to make an eight-pound cake. How many cups of sugar does he need?
3. A recipe for a two-pound cake includes $\frac{1}{2}$ teaspoon of mint flavoring. The baker wants to make a ten-pound cake, but only has two teaspoons of mint flavoring left. Does the baker have enough mint flavoring?

