The Problem

Miss G wants to bake her Scrumptious Sugar Cookies but she can only find a 1/3 cup measuring cup and a ¼ teaspoon measuring spoon. How can bake enough cookies for her 44 students to have 2 cookies each using only her limited measuring utensils?

How many cookies does she need? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

One batch makes 24 cookies. How many batches does she need? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ingredients for one batch:**

2 ¾ cups flour (all-purpose is fine)

1 ½ teaspoon baking soda

1 cup butter (softened in microwave)

1 ½ cups sugar

1 egg (large)

1 teaspoon vanilla extract

*Optional:*

1 teaspoon cinnamon

**How much of each ingredient does she need?**

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**How can she measure that ingredient using only 1/3 cup or ¼ teaspoon?**

\_\_\_\_ cups flour = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

She will need to measure \_\_\_\_ 1/3 cups of flour.

\_\_\_\_ teaspoons baking soda = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

She will need to measure \_\_\_\_ 1/4 teaspoons of baking soda.

\_\_\_\_ cups butter = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

She will need to measure \_\_\_\_ 1/3 cups of butter.

\_\_\_\_ cups sugar = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

She will need to measure \_\_\_\_ 1/3 cups of sugar.

\_\_\_\_ teaspoons vanilla extract = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

She will need to measure \_\_\_\_ 1/4 teaspoons of vanilla extract.

\_\_\_\_ teaspoons cinnamon = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

She will need to measure \_\_\_\_ 1/4 teaspoons of cinnamon.