

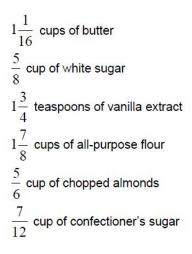
# Assignment: Scaling Up Fractions and Mixed Numbers in Your World

Choose two of the three real-world applications of fractions and mixed numbers. Show all your work, including the change from fractions and mixed numbers to improper fractions (when needed) and back. Show your calculations and explain how you scaled up the amounts.

Then, write your own story problem using mixed numbers that need to be scaled up. The problem should have at least five mixed numbers that will be scaled up. Be sure to show all your work, explain your steps in your solution (including changing improper fractions to mixed numbers), and write a complete answer to your problem. Your answer should include units for the mixed numbers, if needed.

## Choice 1: Scaling Up a Recipe

This recipe makes three dozen cookies. You want to make enough cookies so that 360 people each get two cookies. How will you scale up the recipe? How much of each ingredient will you need?





## Choice 2: Scaling Up Fabric Amounts

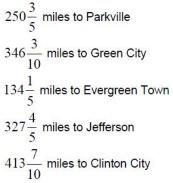
This fabric list makes one Crazy Quilt. But you and a group of your friends are doing a service project and want to make 300 quilts. How much of each type of fabric will you need?





#### Choice 3: Scaling Up

These are the round-trip distances that city buses traveled on different routes each month. Calculate the total distance, in miles, that buses travel each route in one year.





#### Solve Your Own Problem:

Write your own story problem using mixed numbers that need to be scaled up. The problem should have at least five mixed numbers that will be scaled up. Be sure to show all your work, explain your steps in your solution (including changing improper fractions to mixed numbers), and write a complete answer to your problem. Your answer should include units for the mixed numbers, if needed.

