Cooking With Fractions

Word Problems

Directions: Practice using fractions by solving each of the 10 word problems below related to recipes, ingredients and portions.

1. Sarah needed \( \frac{1}{3} \) cup of flour to make 1 apple pie. If she made 9 apple pies, how many cups of flour would Sarah need?

2. A soup kitchen had 6 \( \frac{1}{2} \) gallons of soup at the start of the day. They had 2 \( \frac{1}{10} \) gallons of soup left by the end of the day. How many gallons of soup did they use during the day?

3. A cake recipe called for using 6 \( \frac{5}{9} \) cups of sugar before baking and another 5 \( \frac{4}{9} \) cups after baking. What is the total amount of sugar needed in the recipe?

4. A chef bought 7 \( \frac{6}{7} \) pounds of carrots to make a carrot cake. He only used 5 \( \frac{2}{7} \) pounds of the carrots. How many pounds of carrots are left over?

5. A smoothie calls for \( \frac{1}{6} \) of a peach, \( \frac{1}{2} \) of a banana, and \( \frac{2}{5} \) of a kiwi. How much fruit will be in the smoothie?
Kelley baked 3 batches of chocolate chip cookies. She used one-third of a bag of chocolate chips to make all of the cookies. How much of the bag did she use for each batch?

Kevin cooked three pounds of mashed potatoes for a dinner party. The guests only ate two-thirds of the amount he cooked. How much did they eat?

A taco recipe called for cups of \(1 \frac{2}{5}\) meat per taco. If Isabel wanted to make 4 tacos, how much meat would she need?

A restaurant used \(6 \frac{5}{9}\) cans of vegetables for dinner on Friday. On Saturday they used another \(9 \frac{7}{9}\) cans. What is the total amount of cans used?

Sally and Carla were making chocolate cakes. Sally used \(2 \frac{2}{7}\) pounds of chocolate and Carla used \(2 \frac{6}{10}\). Who used more chocolate to make their cake?
Answer Key

1. 3 cups of flour
2. 4 \(\frac{4}{10}\) gallons of soup
3. 12 cups of sugar
4. 2 \(\frac{4}{7}\) pounds of carrots
5. 1 \(\frac{1}{2}\) fruit
6. \(\frac{1}{4}\) of the bag
7. 2 pounds of mashed potatoes
8. 5 \(\frac{3}{5}\) cups of meat
9. 17 \(\frac{3}{4}\) cans of vegetables
10. Carla used more chocolate.