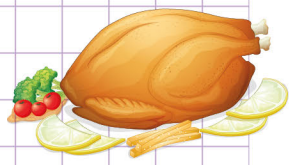
Name: ..... Class: .....

Multiply fractions and mixed numbers in recipes

a. **Rita wants to make tripple dipped fried chicken. If she wants to double the recipe, what quantity of all the ingredients of the original recipe does she need?** (Simplify your answer)

Tripple dipped fried chicken ingredients:

3 cups all-purpose flour
$1\frac{1}{2}$ table spoons garlic salt
1 tablespoon paprika
$\frac{1}{2}$ teaspoon poultry seasoning
1 teaspoon salt
2 egg yolks, beaten
$1\frac{1}{2}$ table spoons garlic salt
1 quart vegetable oil for frying
1 (3pound) whole chicken, cut into pieces.



b. **Peter intends to make peanuts butter and jully ice cream. What quantity of each and every ingredient will he need to make 5 times the original recipe?** (Simplify your answer)

Peanut butter and Jelly ice cream ingredients:

$1\frac{1}{2}$ cups whole milk
$\frac{2}{3}$ cup packed brown sugar
$\frac{1}{2}$ teaspoon salt
1 egg, lighly beaten
2 teaspoons vanilla extract
$\frac{1}{2}$ cup grape jelly.
$1\frac{2}{3}$ cup creamy peanut butter
$2\frac{1}{2}$ cups heavy whipping cream

© http://mathskills4kids.com

Solution

mathskills4kids

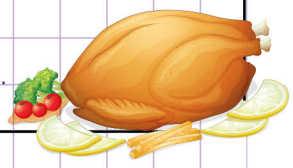
Name: ..... Class: .....

Multiply fractions and mixed numbers in recipes

a. Rita wants to make tripple dipped fried chicken. If she wants to double the recipe, what quantity of all the ingredients of the original recipe does she need? Simplify your answer.

To solve this, Rita needs to multiply each and every ingredient by 2 to make a double of the recipe.

2 x 3 cups all-purpose flour	= 6 cups all-purpose flour
2 x $1\frac{1}{2}$ table spoons garlic salt	= $\frac{(1\times2)+1}{2} \times \frac{2}{1} = \frac{6}{2}$ table spoons garlic salt (or 3)
2 x 1 tablespoon paprika	= 2 tablespoon paprika
2 x $\frac{1}{2}$ teaspoon poultry seasoning	= $\frac{2}{2}$ teaspoon poultry seasoning (or 1)
2 x 1 teaspoon salt	= 2 teaspoon salt
2 x 2 egg yolks, beaten	= 4 egg yolks, beaten
2 x $1\frac{1}{2}$ table spoons garlic salt	= $\frac{(1\times2)+1}{2} \times \frac{2}{1} = \frac{6}{2}$ table spoons garlic salt (or 3)
2 x 1 quart vegetable oil for frying	= 2 quart vegetable oil for frying
2 x 1 (3pound) whole chicken, cut into pieces.	= 2 (3pound) whole chicken, cut into pieces.



b. Peter intends to make peanuts butter and jully ice cream. What quantity of each and every ingredient will he need to make 5 times the original recipe? Simplify your answer.

To solve this, we need to multiply each ingredient by 5 to make 5 times the original recipe.

5 x $1\frac{1}{2}$ cups whole milk	= $\frac{(1\times2)+1}{2} \times \frac{5}{1} = \frac{15}{2}$ cups whole milk (or $7\frac{1}{2}$)
5 x $\frac{2}{3}$ cup packed brown sugar	= $\frac{10}{3}$ cups packed brown sugar (or $3\frac{1}{3}$)
5 x $\frac{1}{2}$ teaspoons salt	= $\frac{5}{2}$ teaspoons salt (or $2\frac{1}{2}$)
5 x 1 egg, lightly beaten	= 5 eggs, lightly beaten
5 x 2 teaspoons vanilla extract	= 10 teaspoons vanilla extract
5 x $\frac{1}{2}$ cup grape jelly	= $\frac{5}{2}$ cup grape jelly (or $2\frac{1}{2}$)
5 x $1\frac{2}{3}$ cup creamy peanut butter	= $\frac{(1\times3)+2}{3} \times \frac{5}{1} = \frac{25}{3}$ cup creamy peanut butter
5 x $2\frac{1}{2}$ cups heavy whipping cream	= $\frac{(2\times2)+1}{2} \times \frac{5}{1} = \frac{25}{2}$ cups heavy whipping cream

© http://mathskills4kids.com