

N I	\bigcirc I	
Name:	Class:	

Multiply fractions and mixed numbers by whole number in recipes

a.	Tom intends to make chocolate	b.	Yesterday, Rosemary quadriple a
	caremels for his cousin Roy. He wants		pumpkin pie recipe while making it.
	to make a reasonable quantity that he		What quantity of each ingredient from
	needs to tripple the recipe. If he		the original recipe did she use
	tripples the recipe, what quantity of		
	all the ingredients in the original		Pumpkin pie: Ingredients
	recipe does he need?		-1 ¹ / ₄ pillsbury refrigerated pie crust
			- 2 eggs
	Chocolate caramel: Ingredients		- 3 cup sugar
	$-1\frac{1}{2}$ tea spoon butter, softened		$-1\frac{1}{2}$ teaspoons pumpkin pie spice
	- ½ cup sugar		- 1 teaspoon salt
	- 3/4 cup light corn syrup		
	- 2 ounces unsweetened chocolate,		
	chopped		
	$-1\frac{1}{3}$ cups heavy whipping cream,		
	divided		
		554	
6			



mathskills4kids

Name:	Clara	
IName:	Class:	

Multiply fractions and mixed numbers by whole number in recipes

a.	Tom intends to make chocolate k	o	Yesterday, Rosemary quadriple a
	caremels for his cousin Roy. He wants		pumpkin pie recipe while making it.
	to make a reasonable quantity that he		What quantity of each ingredient from
	needs to tripple the recipe. If he		the original recipe did she use
	tripples the recipe, what quantity of		
	all the ingredients in the original		Chocolate caramel: Ingredients
	recipe does he need?		-1 -1 pillsbury refrigerated pie crust
			- 2 eggs
	Chocolate caramel: Ingredients		- 3 cup sugar
	$-1\frac{1}{2}$ tea spoon butter, softened		$-1\frac{1}{2}$ teaspoons pumpkin pie spice
	- 1 cup sugar		- 1/2 teaspoon salt
	- 3/4 cup light corn syrup		
	- 2 ounces unsweetened chocolate,		To solve this, Rosemary needs to multiply each
	chopped		and every ingredient in the original recipe by
	$-1\frac{1}{3}$ cups heavy whipping cream,		4 inorder to quadriple it.
	divided		$4 \times 1^{\frac{1}{4}}$ pillsbury refrigerated pie crust
			$= 4 \times (\frac{1 \times 4 + 1}{4}) = \frac{4 \times 5}{4} = \frac{20}{4} = 5$ pillsbury
	To solve this, Tom needs to multiply each and		refrigerated pie crust
	every ingredient in the oringinal recipe by 3		4 x 2 eggs = 8 eggs
	inorder to tripple it.		$4 \times \frac{3}{4}$ cup sugar = $\frac{4 \times 3}{4}$ = $\frac{12}{4}$ = 3 cups sugar
	3 x 1 1 teaspoon butter, softened		$4 \times 1\frac{1}{2}$ teaspoons pumpkin pie spice
	$= 3 \times 1 \frac{1}{2} = 3 \times (\frac{1 \times 2 + 1}{2}) = \frac{3 \times 3}{2} = \frac{9}{2}$		$= 4 \times (\frac{1 \times 2 + 1}{2}) = \frac{4 \times 3}{2} = \frac{12}{2} = 6 \text{ teaspoons}$
	$=4\frac{1}{2}$ teaspoons of butter, softened		pumpkin pie spice
	3 x 2 cup sugar		$= 4 \times \frac{1}{2}$ teaspoon salt $= \frac{4}{2} = 2$ teaspoon salt
	$= 3 \times \frac{2}{2} = \frac{3 \times 1}{2} = \frac{3}{2} = 1 \frac{1}{2}$ cup sugar		
	3 x 3 cup light corn syrup		
	$= \frac{3 \times 3}{4} = \frac{9}{4} = 2 \frac{1}{4}$ cup light corn syrup		
	3 x 2 ounces unsweetened chocolate,		
	chopped = 6 ounces unsweetened chocolate,		
	chopped.		
	$= 3 \times \frac{1 \times 3 + 1}{3} = \frac{3 \times 4}{3} = \frac{12}{3}$	K	
	= 4 cups heavy whipping cream, divided.		
	The state of the s		