

Recipe Rewrite

Activity

Delilah is making her grandmother's famous moldy muffin recipe for her birthday party. Students are shown a recipe that makes 4 muffins. They are told that there will be 12 friends at the party, so delilah needs to alter her recipe. Can students come up with their own strategies to adapt the recipe to make 12 muffins. How many of each ingredient will be needed?

To support:

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- Provide students with manipulatives to physically represent amounts.
 - Ask guiding questions:
 - ◆ How many muffins does the recipe make?
 - ◆ If you wanted to double the recipe, how many muffins would this make?
 - How would this change how many ingredient you would need?
 - ◆ What if you want to triple the recipe? How many muffins would this make?
 - Model using a ratio table as per solution slide.

To challenge

Ask students some 'What if' questions:

- What if 10 guests were invited?
- What if 18 guests were invited?
- What if the 12 guests ate 3 muffins each?

Get students to look at real recipes. How many portions does the recipe make? What would happen if you doubled the recipe? Halve the recipe? Etc.

Recipe Rewrite

Delilah is making her grandmother's famous moldy muffin recipe for her birthday party. There will be 12 friends at the party, so she needs to alter her recipe. How much of each ingredient will she need?

Moldy Muffins

Makes 4 muffins

- 2 cups of sugar
- 1 $\frac{1}{2}$ cups of flour
- 60 grams of applesauce
- 150 ml of rotten milk
- 90 grams of mold



Solution



4 muffins

- 2 cups of sugar
- 1 ½ cups of flour
- 60 grams of applesauce
- 150 ml of rotten milk
- 90 grams of mold



8 muffins

- 4 cups of sugar
- 3 cups of flour
- 120 g applesauce
- 300 ml milk
- 180 g mold



12 muffins

- 6 cups of sugar
- 4 ½ cups of flour
- 180 g applesauce
- 450 ml milk
- 270 g mold