PUZZLE IT OUT!
WRITING A MATH ARGUMENT

To solve the problem of how many ounces of chocolate chips Carlita needs for her larger batch of the Turkey Surprise recipe, I first need to determine the quantities of ingredients in the original recipe.

Looking at the original recipe, I see that the ingredients are proportional to each other. The quantities are ultimately determined by the amount of turkey.

The turkey amount is given in pounds, but I need to find the increased amount of chocolate chips in ounces. So I'll start by converting the turkey's units from pounds to ounces.

First, I'll convert the 2½ pounds of turkey to its decimal equivalent of 2.5 to make multiplying easier. Then, since 1 pound = 16 oz, I'll set up this equation: 2.5 lbs of turkey x 16 oz per pound = 40 oz of turkey.

The amount of the next ingredient, cherries, is listed as ¼ (which I can convert to 0.25) of the amount of the turkey. So I'll set up this equation: 40 oz of turkey x 0.25 = 10 oz of cherries.

Since the amount of chocolate chips is 0.35 of the 10 oz of cherries, I'll set up this equation: 0.35 x 10 oz of cherries = 3.5 oz of chocolate chips in the original recipe. I feel confident I chose the right operation and put the decimal point in the correct place because I checked it with mental math. I know 0.35 is equivalent to about ⅓, and if I were to divide 10 oz into three equal parts, the parts would be about 3 oz each. So 3.5 oz of chocolate chips sounds right. And 35 oz would definitely be too much—it's more than the amount of cherries!

Therefore, Carlita will need 7.875 oz of chocolate chips for the bigger batch of her recipe.