

incredible!

American Egg Board

Grade 5

Name _____ Problem solving, multiplying fractions (5.NF.B.6)

Dinner for How Many?

Use the recipes to answer the questions. Show your work. Use another page if you need it.

c. = cup

tsp. = teaspoon

Deviled Eggs

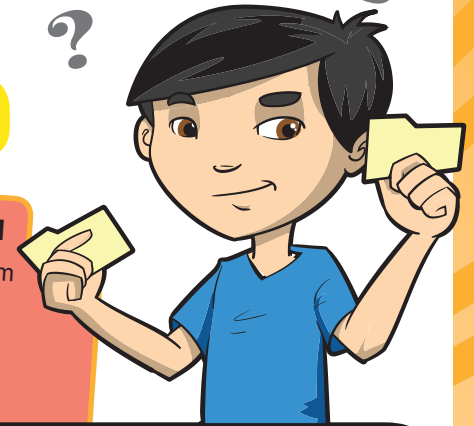
6 eggs
 $\frac{1}{4}$ c. mayonnaise
1 tsp. white vinegar
1 tsp. mustard
 $\frac{1}{8}$ tsp. salt
(Makes 12)

Mini Quiches

$\frac{1}{2}$ c. shredded cheese
 $\frac{1}{3}$ c. spinach or fully-cooked bacon
 $\frac{3}{4}$ c. liquid whole egg
 $1\frac{1}{2}$ c. milk
pinch onion salt
one recipe pie crust dough
(Makes 32 mini quiches)

Chocolate Custard

1 c. heavy whipping cream
 $\frac{1}{3}$ c. milk
 $\frac{3}{4}$ c. semi sweet chocolate
4 egg yolks
(6 servings)



1. If you could only make 10 deviled eggs, how much mayonnaise would you need?

2. How much milk would you use to make just 24 mini quiches instead of 32?

3. If you made four servings of chocolate custard instead of six, how much chocolate would you need?

4. How much spinach or bacon would the recipe require if you made just eight mini quiches?

5. How much salt would you need to use if you made 18 deviled eggs instead of 12?

6. If you made 20 mini quiches instead of 32, how much liquid whole egg would you need?

7. How much milk would you use to make ten servings of chocolate custard instead of six?

8. How much shredded cheese would you need to make 16 mini quiches instead of 32?

Bonus: Choose a problem from above. Then write four or more steps that explain how you solved the problem.



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Answer Key for “Dinner for How Many?”

1. $\frac{10}{48}$ or $\frac{5}{24}$ c. mayonnaise
2. $\frac{72}{64}$ or $\frac{9}{8}$ c. milk
3. $\frac{12}{24}$ or $\frac{1}{2}$ c. semi sweet chocolate
4. $\frac{8}{96}$ or $\frac{1}{12}$ c. spinach or bacon
5. $\frac{18}{96}$ or $\frac{3}{16}$ tsp. salt
6. $\frac{60}{128}$ or $\frac{15}{32}$ c. liquid whole egg
7. $\frac{10}{18}$ or $\frac{5}{9}$ c. milk
8. $\frac{16}{64}$ or $\frac{1}{4}$ c. shredded cheese

Bonus: Answers will vary.