Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2000 Calories

**You and your group will get a picture of a food item. Use the picture to answer the following questions. Show how you get each answer. Where appropriate, use equations such as x + p = q or px = q, or inequalities such as px** $\leq $ **c.**

1. Food you were given:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. How many of your food make up 2000 calories?

3. If you only ate one, how many calories would that be?

4. How many calories would be in three?

5. If you only wanted to consume 1700 calories, how many could you eat?

6. If you wanted to consume at most 1400 calories, how many whole items you eat?

7. How would your answer to number 6 change if you did not have to consume the entire item?

8. If you had already consumed 3 and wanted to have at most 1500 calories, how many more could you eat?

**Trade your group’s food picture for another group’s food picture.**

9. What is your new food? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10. How many of the new food make up 2000 calories?

11. How many calories is one of the new food?

12. If you had already consumed 2 of your first item and wanted to have at most 1500 calories, how many of the new food could you eat?