

Math Assessment Grade 7: Cookie Party

Program and Essential Standards: 1, 2, 3, 4, 5

Administration Time: Grade 7, 2nd Semester

The assessment must be completed so that the Tally Sheet is submitted to the CSO by the week of April 22nd.

Suggested Time Frame: One week completed entirely in class

Lifelong Learning Skills:

- Content/Comprehension
- Presentation
- Problem Solving

Essential Question: How are fractions, proportions, and conversions helpful when measurements need to be adjusted?

Task: As a service project, your class has been assigned the task of making cookies for a bake sale to raise funds for the local food bank.

Guidelines:

1. In class, use your recipe to figure the fractional amount of each ingredient needed for exactly 40 cookies. In writing, show how you arrived at your answers.
2. Determine the price of ALL of the ingredients needed for your recipe from the grocery list provided.*
3. Calculate the cost to prepare your recipe for 40 cookies. (Example: You purchased a five-pound bag of sugar for \$1.29. You will use only $2\frac{1}{2}$ cups of sugar. Calculate the cost of $2\frac{1}{2}$ cups of sugar.) In writing, show how you arrived at your answers.
4. Complete the table provided with the data found in Guidelines 1, 2 and 3.*
5. Submit the following to your teacher:
 - a) a copy of the recipe;
 - b) your newly calculated recipe;
 - c) your grocery list;
 - d) your table;
 - e) your written work from Guidelines 2 and 4; and
 - f) written answers to the questions in number 7.
6. Give an oral presentation that includes the following information:
 - a) What is your price per cookie and why did you choose this price?
 - b) How could you justify, then apply what you've learned in this assessment to situations that you may encounter in the future outside of cooking?

Teacher notes:

1. A cookie recipe has been provided* that has fractional measurements and does not make exactly 40 cookies. Distribute the recipes as noted in the Appendix.
2. **See Appendix for:
 - a) Teacher Notes
 - b) Recipes
 - c) Grocery List
 - d) Tables

Name: _____ Assessment Completion Date: _____

Math Scoring Guide Grade 7: Cookie Party

As a service project, your class has been assigned the task of making cookies for a bake sale to raise funds for the local food bank.

Criteria	<u>Level 1</u> Does not meet Standard	<u>Level 2</u> Progressing toward Standard	<u>Level 3</u> Meets Standard	<u>Level 4</u> Exceeds Standard	Results
Content and Comprehension	<ul style="list-style-type: none"> • Demonstrates less than four of the criteria in Level 3 	<ul style="list-style-type: none"> • Demonstrates only four of the criteria in Level 3 	<ul style="list-style-type: none"> • Submits original and new recipe showing calculations • Submits grocery list and prices • Submits a complete and accurate table • Submits cost to prepare recipe and shows work • Submits all items in Guideline 5 	<ul style="list-style-type: none"> • In addition to meeting all criteria in Level 3, sets a price so that all cookies sell and explains how that will affect their profit 	
Presentation	<ul style="list-style-type: none"> • Demonstrates one of the criteria in Level 3 	<ul style="list-style-type: none"> • Demonstrates two of the criteria in Level 3 	<ul style="list-style-type: none"> • Presents in a clear and understandable manner • Presents information in a neat and organized manner • Answers all questions 	<ul style="list-style-type: none"> • In addition to meeting all criteria in Level 3, student presents information in an alternate form 	
Problem Solving	<ul style="list-style-type: none"> • No evidence of reasonable thinking 	<ul style="list-style-type: none"> • Some responses are illogical 	<ul style="list-style-type: none"> • Justifies reasonable thinking in responses to the questions in Guideline 6 based on the information gathered in Guideline 5 	<ul style="list-style-type: none"> • In addition to meeting all criteria in Level 3, shows an example of an alternative real life application 	

List any modifications made: