



SNICKERDOODLE FRACTIONS PROJECT



MATH SKILLS

Put your chef hat on, you're planning on some dinner parties! One party is for your large family and the other is for a small group of friends. You have found the perfect recipe!

FAMILY PARTY: You will need to make **3 ½ TIMES** the ingredients to have the perfect dish for your family

FRIEND PARTY: You will need to **DIVIDE by 2** the ingredients to make the dish for your friends.

You will be picking your recipe.

You will discover the modified recipes for both parties by dividing and multiplying the recipe.

You will create a display of your findings. (SHOW YOUR WORK!!!!)

You will present your new recipes **on or before January 12th** (both findings and actual cooking!)

Display must include:

1. _____ Title of your project
2. _____ Original recipe ingredients including math work neatly displayed
3. _____ Original recipe displayed along with your NEW Family Party Recipe and Friend Party Recipe.
4. _____ All recipes are clearly labeled: Original, Family, Friends
5. _____ All fractions are in simplest form, any improper fractions must be written as mixed fractions. ($\frac{15}{2} = 7\frac{1}{2}$)
6. _____ Include all cooking instructions with ORIGINAL recipe only
7. _____ All math calculations are accurate and included on separate paper
8. _____ Display is neat & well organized
9. _____ Cookies baked using Original Recipe

CATEGORY	EXCEEDS EXPECTATIONS GRADE: A	MEETS EXPECTATIONS GRADE: B	APPROACHING EXPECTATIONS GRADE: C	EXPECTATIONS GRADE: D
<u>ACCURACY</u>	All recipe measurements are accurate [50 pts]	Most recipe measurements are accurate (1 mistake made) [45 pts]	Some recipe measurements are accurate (2-3 mistakes made) [40 pts]	Many recipe measurements are not accurate (3+ mistakes made) [35 pts]
<u>REQUIRED ELEMENTS</u>	The project goes above & beyond the required elements. [30 pts]	Completes all 8 of the required elements. [25 pts]	Completes 5-7 of the required elements. [20 pts]	Completed 0-4 of the required elements [15 pts]
<u>NEATNESS & ORGANIZATION</u>	The product is exceptionally attractive and organized in terms of design, layout, and neatness. [20 pts]	The product is attractive in terms of design, layout, and neatness and is well organized. [15 pts]	The product is acceptably attractive though it may be a bit messy or unorganized. [10 pts]	The product is distractingly messy or very poorly designed. It is not attractive or organized. [5 pts]

ORIGINAL RECIPE:



Mrs. Sigg's Snickerdoodles



Prep
20 m

Cook
10 m

Ready In
1 h

Recipe By: Beth Sigworth

"These wonderful cinnamon-sugar cookies became very popular with my friends at church. My pastor loves them! You will too! Crispy edges, and chewy centers; these cookies are a crowd pleaser for sure!"

Ingredients

1/2 cup butter, softened	2 teaspoons cream of tartar
1/2 cup shortening	1 teaspoon baking soda
1 1/2 cups white sugar	1/4 teaspoon salt
2 eggs	2 tablespoons white sugar
2 teaspoons vanilla extract	2 teaspoons ground cinnamon
2 3/4 cups all-purpose flour	

Directions

- 1 Preheat oven to 400 degrees F (200 degrees C).
- 2 Cream together butter, shortening, 1 1/2 cups sugar, the eggs and the vanilla. Blend in the flour, cream of tartar, soda and salt. Shape dough by rounded spoonfuls into balls.
- 3 Mix the 2 tablespoons sugar and the cinnamon. Roll balls of dough in mixture. Place 2 inches apart on ungreased baking sheets.
- 4 Bake 8 to 10 minutes, or until set but not too hard. Remove immediately from baking sheets.

MATH WORK EXAMPLE:

$2\frac{1}{2}$ cups increased by $3\frac{1}{2}$

$$2\frac{1}{2} \times 3\frac{1}{2} = \frac{5}{2} \times \frac{7}{2} = \frac{35}{4} = 8\frac{3}{4}$$

$8\frac{3}{4}$ cups

$2\frac{1}{2}$ cups divided by 2

$$2\frac{1}{2} \div 2 = \frac{5}{2} \times \frac{1}{2} = \frac{5}{4} = 1\frac{1}{4}$$

$1\frac{1}{4}$ cups