

Cookie Monster (aka Sid) loves cookies. He loves chocolate chip, peanut butter, oatmeal cookies, and M\&Ms. Jodie Berman created a cake based on what Cookie Monster loves; oatmeal, chocolate chips, peanut butter, and M\&Ms.

Jodie Berman is studying to be a teacher in Wisconsin. She writes a blog where she describes herself as "cooking her way through life". This is her Monster Cake recipe ${ }^{1}$.


## Ingredients:

## For the Cake:

$13 / 4$ cups flour
3/4 tbsp baking powder
$1 / 2$ tsp salt
1/4 tsp baking soda
3/4 cup unsalted butter, softened
1 1/3 cup sugar
2/3 cup natural creamy peanut butter
3 eggs
1/2 cup sour cream
1/2 tsp vanilla
1 cup oats
1 cup semi-sweet chocolate chips

## For the Frosting:

18 oz package of light cream cheese, at room temperature
1/2 cup sugar
1 1/2 tsp vanilla
2 cups heavy whipping cream
For Topping:
Crushed Dark and Milk Chocolate M\&Ms (as much as you want...)

## Directions:

1. Preheat oven to 350 degrees and lightly butter or grease two 8 inch cake pans.
2. Whisk flour, baking powder, salt, and baking soda in a medium bowl and set aside. In a small bowl, mix the sour cream and the vanilla, set aside.
3. In a large bowl, cream butter and sugar until light and fluffy. Add in the peanut butter and mix until well combined. Then, add in the eggs, one at a time, and incorporate well.
4. Mix in the flour mixture in 3 additions, alternating with the sour cream mixture. Start with the flour and end with the flour. Finally, stir in the oats and chocolate chips.
5. Bake for about 40-45 minutes or until an inserted toothpick comes out clean. Let cool completely. http://binomialbaker.blogspot.com/2012/03/monster-cake.html

I haven't made this cake before but her ingredient list is pretty good. Except that she didn't tell me how many M\&Ms to buy. I love M\&Ms so I probably won't waste them if I get too many. How many M\&Ms do you think I should buy?

Please explain your reasoning.


Uh oh. I started to make the cake and I accidentally used a whole of cup of creamy peanut butter. I need to adjust the recipe so that I still have the same ratio of each ingredient. How much of each ingredient should I use in the new, adjusted recipe?

How many times greater in volume will this cake be then the original?

Ingredients:
For the Cake:
___cups flour tbsp baking powder tsp salt tsp baking soda
cup unsalted butter, softened
cup sugar
cup natural creamy peanut butter
eggs
cup sour cream
tsp vanilla
__cup oats cup semi-sweet chocolate chips

## For the Frosting:

oz package of light cream cheese, at room temperature
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cup sugar
tsp vanilla
cups heavy whipping cream
For Topping:
Crushed Dark and Milk Chocolate M\&Ms (as much as you want...)

Brought to you by Yummymath.com and Jodie Berman.

[^0]
[^0]:    ${ }^{1}$ http://www.marthastewart.com/315845/peanut-butter-cupcakes-with-peanut-butte
    1 http://allrecipes.com/recipe/sturdy-whipped-cream-frosting/

