



**GRANDMOTHER'S  
CAKE RECIPE**

Recipe For:

Simple Vanilla  
Cake Mix

\*Makes one 8-inch cake

2 cups all-purpose flour

1 cup sugar

2 eggs

1 cup butter

1 cup milk

2 teaspoons vanilla extract

Bake at 350° for 25 minutes

My grandmother  
gave me her delicious  
cake recipe.

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I am making two cakes for my friend's birthday party, and I want to use my grandmother's delicious cake recipe. I'm going to use a 12-inch cake pan to make one cake and an 18-inch cake pan to make the other. The only problem is my grandmother's recipe makes an 8-inch cake. I need your help figuring out the amount of each ingredient to use for both cakes.

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The recipe for the 12-inch cake takes 3 times as much of each ingredient as the recipe for the 8-inch cake. How much of each ingredient will I need to make the 12-inch cake?

The recipe for the 18-inch cake takes 5 times as much of each ingredient as the recipe for 8-inch cake. How much of each ingredient will I need to make the 18-inch cake?

How much of each ingredient  
do I need if I bake all three  
sizes of the cakes?



## **Extension:**

The 8-inch cake will bake at 350 degrees for 25 minutes. If the 12-inch cake takes 3 times as long to bake and the 18-inch cake takes 5 times as long to bake, how long will the cakes need to bake?

