

Name:Tan Huynh

Date:4/26/22

## Part I: The Recipe

Suppose you would like to have a party and want to make your favorite cake. Find the recipe for your favorite cake and fill in the following chart for the ingredients and amount for each ingredient. Make sure to include the units of measurement (tsp, cups, tbsp, etc.).

Ingredients	Amounts	Units
white sugar	2	cups
all purpose flour	1 3/4	cups
unsweetened cocoa powder	3/4	cups
baking powder	3/4	cups
baking soda	1 1/2	tsp
salt	1	tsp
eggs	2	eggs
milk	1	cup
vegetable oil	1/2	cup
vanilla extract	2	tsp
boiling water	1	cup

[+] [-]

How many people does this recipe serve?	24
What is the preparation plus cooking time? (in minutes)	80

**Optional:** You can use the following spaces to copy and paste the link of the website to your favorite recipe. In addition, you may also copy and paste the directions to make your favorite cake.

Link:

<https://www.allrecipes.com/recipe/17981/one-bowl-chocolate-cake-iii/>

Directions:

### Directions

Instructions Checklist

- Step 1  
Preheat oven to 350 degrees F (175 degrees C). Grease and flour two nine inch round pans.
- Step 2  
In a large bowl, stir together the sugar, flour, cocoa, baking powder, baking soda and salt. Add the eggs, milk, oil and vanilla, mix for 2 minutes on medium speed of mixer. Stir in the boiling water last. Batter will be thin. Pour evenly into the prepared pans.
- Step 3  
Bake 30 to 35 minutes in the preheated oven, until the cake tests done with a toothpick. Cool in the pans for 10 minutes, then remove to a wire rack to cool completely.

## Part II: The Invites

Suppose you'd like to invite anyone and everyone to your party. How many people would you invite?

Number of partygoers (including yourself):	50
--	----

### Part III: The Problem (and the Solution)

You originally invited 50 friends to your party. The day before your party, you find out *half* of your friends decided invited an additional friend, how many guests are there total now? *If your total count is odd, round your total up to the nearest whole number.*

Adjusted Number of Guests:

75

How would you modify the recipe to accommodate everyone? Remember that the recipe serves 24 people and takes 80 minutes to make.

Ingredients	Amounts	Units	Scalar	New Amounts
white sugar	2	cups	4	8
all purpose flour	1 3/4	cups	4	7
unsweetened cocoa powder	3/4	cups	4	3
baking powder	3/4	cups	4	3
baking soda	1 1/2	tsp	4	6
salt	1	tsp	4	4
eggs	2	eggs	4	8
milk	1	cup	4	4
vegetable oil	1/2	cup	4	2
vanilla extract	2	tsp	4	8
boiling water	1	cup	4	4

Suppose you're lucky enough to find a cake pan that is large enough to bake the equivalence of 2 cakes at a time, what will be your new cooking time?

160 minutes