**Mini-quiz #16 Chemistry 1114 section 2 (Fong) 8 October 2014 4 pts A**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**A (bogus) chocolate cookie recipe calls for:**

**1 bag chocolate chips + 2 cups sugar + 3 cups flour + ½ cup oil 🡪 1 dozen cookies**

1 bag chips = 200 g 1 cup sugar=150 g 1 cup flour=100 g 1 cup oil =75 g

1) how many dozen cookies can you make with 600 grams of sugar ?

600 g sugar/150 g cup-1 = 4 cups sugar

1 dozen/2 cups sugar = x/4=> x= 2

\_\_\_2\_\_ dozen cookies

2) How many cups of sugar must be combined with 600 grams of flour ?

600 g flour/100 g cup-1 = 6

Cups sugar/cups flour= 2/3=x/6=> x= 4

\_\_4\_\_\_ cups sugar

**Mini-quiz #16 Chemistry 1114 section 2 (Fong) 8 October 2014 4 pts B**

**Your name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**A (bogus) chocolate cake recipe calls for:**

**2 bricks chocolate + 3 cups sugar + 4 cups flour + ½ cup oil + bag yeast🡪 1 cake**

1 brick = 150 g 1 cup sugar=200 g 1 cup flour=150 g 1 cup oil 1 bag yeast =10 g

1) how many cakes can you make with 1200 grams of flour ?

1200 grams flour/150 g cup‑1 =8 cups flour

Cakes/cups flour= ¼=x/8=> x=2

\_\_2\_\_\_cakes

2) How many grams of yeast must be combined with 1800 g of sugar ?

1800 g sugar/200 g cup-1 = 9 cups sugar

Bags yeast/cups sugar = 1/3= x/ 9=> x= 3 bags yeast

3 bags yeat \*10 g/bag= 30 g

\_30\_\_\_\_ g yeast