

Part 1

1. Mass the piece of gum inside the wrapper.
2. Open the piece of gum being certain to **SAVE THE WRAPPER**, and mass the gum by itself.
3. Chew the piece of gum until no more flavor is tasted.
4. Put the chewed piece of gum back on the wrapper.
5. Let the gum dry overnight.

Part 2

1. After allowing the gum to dry overnight, mass the piece of gum on the wrapper.
2. Throw the gum and wrapper in the trashcan.

Data

mass of gum and wrapper before chewing	
mass of gum without wrapper	
mass of gum and wrapper after chewing	

Conclusions

1. The mass of the gum (decreases, increases) while being chewed because the sugar in the gum dissolves in the saliva in the mouth. Using the data, what is the mass of the sugar in the gum?
  
2. Calculate the percentage of sugar in the gum using the following equation.

$$\% \text{ sugar in gum} = \frac{\text{mass of sugar}}{\text{mass of gum}} \times 100\%$$