




Unit Fractions HW 1: Burritos

Here is some information about similar bean and cheese burritos from some fast food restaurants in and around Bend.

<u>Restaurant</u>	<u>Price</u>	<u>Weight</u>	<u>Calories</u>	<u>Sodium</u>	<u>Saturated Fat</u>	<u>Cholesterol</u>
	\$1.29	198 grams	380	1060 milligrams	4 grams	5 milligrams
	\$1.00	242 grams	450	1250 milligrams	6 grams	20 milligrams
	\$3.95	473 grams	860	2140 milligrams	18 grams	70 milligrams

You can see, right away, that the Baja fresh burrito is more expensive than the other two. That kinda makes sense – it's **bigger**! Let's see how the weight and the price **together** play into these burritos...

1. **(1 point)** How many more **times** expensive is it than the Del Taco burrito? It's not perfect; round to the nearest whole number.
2. **(2 points) (w)** Now calculate the **price per gram** of the Baja Fresh and Del Taco burritos. Round each to three decimals. Be sure to include the complete unit on your answers!
3. **(1 point)** your work in #2 was a "unit price" of "cost (in \$) per unit weight (1 gram)". How many more times does the Baja Fresh burrito cost than the Del Taco one when comparing **unit** costs?
4. **(3 points)** Is it better to compare these two burritos' prices using your answer from 1 (overall cost), or from 3 (unit cost)? Why? Answer completely!
5. **(1 point)** Which burrito (out of all 3) has the most **calories per gram of weight**? Feel free to use Google (or your phone's calculator) to do the math on this one and the next two; just make sure to include the unit when you answer! In case you need a start with using Google as a calculator, [check this out!](#)

Now, let's mix it up a bit!

6. **(1 point)** Which burrito (out of all 3) has the **highest percent of saturated fat**? Be sure to give me all three percents! (And this time, there won't be a unit!)
7. **(1 point)** Which burrito (out of all 3) has the **highest percent of sodium**? Again, show all percents!

