## HONEY, I BLEW UP THE CANDY BAR!

Objective: Find the scale factor between a regular candy bar and an enlarged candy bar you create.

Materials:
Regular size Hershey candy bar (measure the top of the bar with the wrapper pulled tight)
Rulers
Calculators

Directions:
1. Find the dimensions of the candy bar (length, width, and height). (Do not unwrap.)
2. Record your results in the table below. This is the "Original Size".
3. Decide how large you want to make your new candy bar.
4. Record the new candy bar's dimensions in the "Enlarged Size" column. Remember to use proportional dimensions.
5. Calculate the scale factor between the two candy bars.

Real Diagram

| Candy Bar Information | Original Size | Scale Factor | Enlarged Size |
|---|---|---|---|
| Length | | | |
| Width | | | |
| Height | | | |

## HONEY, I BLEW UP THE CANDY BAR!
## (Part 2)

Objective: Find the scale factor of the nutritional values between a regular candy bar and the enlarged candy bar you created.

Materials:

Regular size Hershey candy bar (measure the top of the bar with the wrapper pulled tight)
Graph paper or isometric dot paper
Calculators
Protractor
Rulers

Directions:

1. Copy the nutritional information from your original candy bar to the table below in the "Original Size" column.
2. Calculate the nutritional values of your enlarged candy bar in direct proportion to the original candy bar and record below.

| Candy Bar Information | Original Size | Scale Factor | Enlarged Size |
|---|---|---|---|
| Calories | | | |
| Total Fat | | | |
| Cholesterol | | | |
| Sodium | | | |
| Total Carbohydrates | | | |
| Protein | | | |

3. Draw a three dimensional diagram of your candy bar on graph paper. Remember to label the dimensions.

Extension: Create a three dimensional model of the enlarged candy bar *using only the building materials given* and write the proportional nutritional values on it. If you have to convert the size to "fit" the building material, remember to keep it proportional to the original candy bar.