

Super Size It!

Name _____ Chosen Due Date _____

Product you wish to “Super Size” _____ Scale Factor you will use to enlarge: _____
(or shrink)

Your task is to actually make a “Super Size” of your item and complete the calculations / information listed on this paper.

Measure and record the original dimensions.

Apply the scale factor and record the new dimensions.

_____ x _____ x _____

_____ x _____ x _____

Show calculations for the Original Surface Area.

Show calculations for the New Surface Area.

Find the ratio of $\frac{\text{New Surface Area}}{\text{Original Surface Area}}$ _____ = _____ (calculate decimal value)

How does this value compare with your scale factor?

Show calculations for the Original Volume.

Show calculations for the New Volume.

Find the ratio of $\frac{\text{New Volume}}{\text{Original Volume}}$ _____ = _____ (calculate decimal value)

How does this value compare with your scale factor?

Pricing of the Original Product: _____ Pricing of the New “Super Size” Product: _____

Explain how you arrived or decided on the new price.

Super Size It! Scoring Guide

Notes / Comments / Feedback:

- ___ /5 Original Measurements
- ___ /10 Conversions
- ___ /20 Accurate Measurements
- ___ /15 Surface Area Calculations
- ___ /5 Surface Area Ratio
- ___ /15 Volume Calculations
- ___ /5 Volume Ratio
- ___ /5 Pricing
- ___ /5 Creativity
- ___ /5 Neatness
- ___ /10 On time

___ /0 Other