



Scientist: _____

Per: _____ Date: _____

The Truth about Buddha's Volume

Objective

To measure the volume of Buddha using the *water displacement method*.

Data and Observations

1) Complete the table. Make sure you include units.

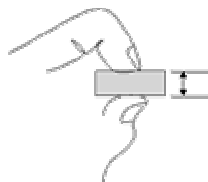
A. Object	B. Size of Graduated Cylinder	C. Error of the Graduated Cylinder	D. Initial Volume of the water	E. Volume of Water and Object	F. Volume of Object and the error. [(E-D) ± C]
1 Figurine					

Calculations



The Wild World of Length Measurements

1) Measure the thickness of a Jolly Rancher candy: **Thickness** = _____ **cm**

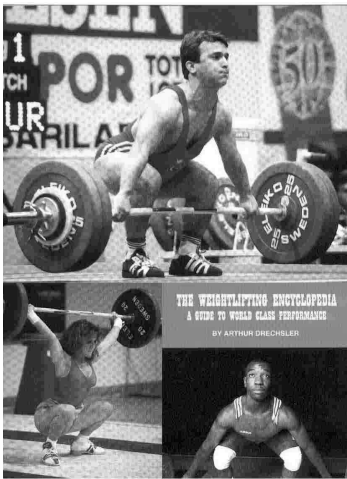


2) Measure the length of a pack of Jolly Ranchers: **Length** = _____ **cm**
How many Jolly Ranchers are there in a pack? *Show your work!*



- 3) How many Jolly Ranchers would fit in a pack if the pack was 1 **kilometer** long?
Show your work, including unit conversion!!!

THE WEIGHT LIFTING CHALLENGE



- 1) On the triple beam balance, measure the mass of one milk dud.

mass: _____ grams



- 2) We want to find out how many Milk Duds are in a box without looking. How many Milk duds are there in a pack? *Show your work!*

Mass of pack: _____ grams

Total duds in pack?: _____

- 3) How many Milk duds would fit in a box that weighed 100 kilograms? *Show your work, including unit conversion!!!*