Mentos and Soda Lab

Name:

Period:

Objective of this lab is for students to check their estimation of height. They will use a scale ratio to check their estimation.

Information:

Defore

When Mentos is dropped into a carbonated liquid, the Mentos will sink to the bottom of the container. The dissolved carbon dioxide reacts to the coating on the Mentos causing the dissolved CO_2 to become a gas. Because this happens at the bottom of the container it will push the liquid up and out the spout with a great force.

Estimation of Diet Coke: Estimation of second soda:	Feet: Feet:	Inches: Inches:
After: Estimation of Diet Coke:	Feet:	Inches:
Estimation of second soda:	Feet:	Inches:

A picture was taken with a 36 in yard stick. A second picture was taken of the diet coke at maximum height. A third picture was taken of the second soda at maximum height.

Students will use proportion analysis to find the true height.

36 in picture height 36 inches

Picture height unknown true height

Estimation accuracy

Your estimation / true height * 100 = ____%