

Name: _____ Date: _____ Course: _____ Professor: _____

M4b Prelab: Measurements



Read the lab instructions and watch the videos before answering the questions

1. An object has a mass of 51.724 g and a volume of 2.68 cm^3 . Calculate the density of the object with the appropriate number of significant figures and determine what the object is made of?

Hint: look up what material has the calculated density.

2. A man runs a 100.0 m dash and is timed using three different stopwatches $t_1 = 12.1 \text{ s}$, $t_2 = 12.05 \text{ s}$, and $t_3 = 12.050 \text{ s}$. Calculate the average speed for each time with the appropriate number of significant figures.