

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 101.421 g and a volume of 5.31 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 $t_1 = 12.2$ s, $t_2 = 12.06$ s, and $t_3 = 12.060$ s. Calculate the average speed for each time with the appropriate number of significant figures.