

Prelab Questions

These questions need to be completed before entering the lab. Please show all workings.

Marker's Initials

Prelab 1

A rectangular object has length $L = (25.3 \pm 0.2) \text{ cm}$, width $W = (18.6 \pm 0.5) \text{ cm}$.

- What are the absolute uncertainties in length and width?

- Find the relative uncertainties in length and width.

Prelab 2

Given a set of length measurements: 60.4, 60.0, 61.1, 60.8, 60.6 *cm*.

- Find the average (mean) length

- Find the standard error (refer to the introductory pages of your Lab Workbook).