

REAL SCIENCE: SMALL TOOLS, GREAT DISTANCES

PROCEDURE

Working in groups (and using just a 30cm ruler), determine the following:

- The perimeter of upper A-wing
- The height of the classroom (from floor to highest point).
- The height of E-wing (from ground to rooftop) by looking out our window

After you determine each measurement, summarize your procedure. How did you determine the measurement? Please show any mathematical work in your explanation.

NOTE: you are only allowed to use one 30cm ruler. Because you cannot connect rulers end-to-end to determine lengths larger than 30cm, you will have to find a way to accurately estimate the lengths.

OBSERVATIONS

Measurement 1: The perimeter of upper A-wing

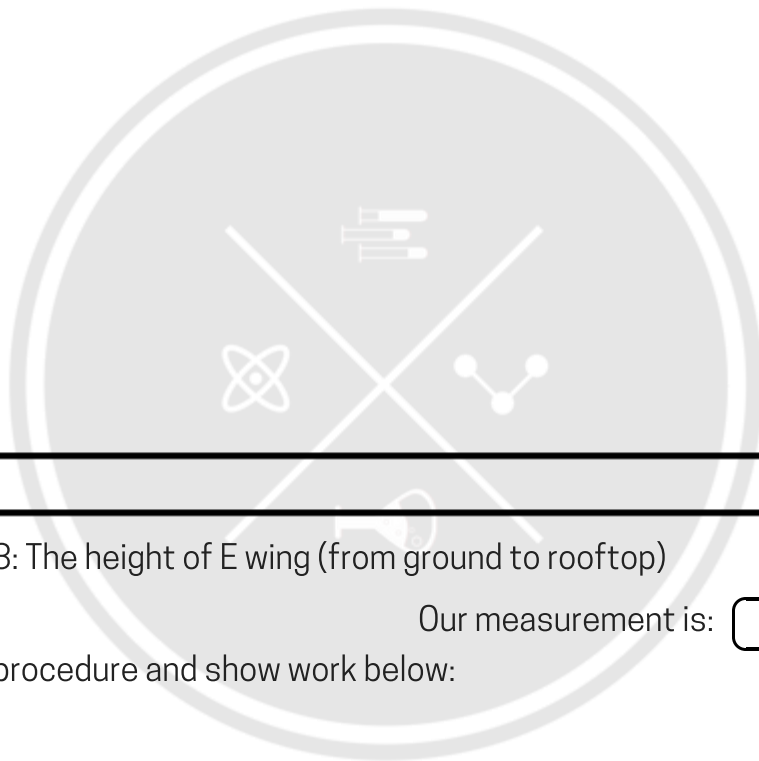
Our measurement is:

Summarize procedure and show work below:

Measurement 2: The Height of the Ceiling (floor to highest point)

Our measurement is:

Summarize procedure and show work below:



Measurement 3: The height of E wing (from ground to rooftop)

Our measurement is:

Summarize procedure and show work below: