

Name: _____

Period: _____

Velocity Lab

Purpose: Your goal today is to figure out how to measure the length of this side of this building without using any distance measuring devices.

General Information:

You will receive the following grade on this lab if you attain the following accuracy:

Grade	Accuracy
100%	+ - 2%
95%	+ - 4%
90%	+ - 6%
85%	+ - 9%
80%	+ - 12%
75%	+ - 22%
70%	+ - 28%
65%	+ - 35%
60%	+ - 40%
55%	+ - 50%
50%	Less than 50%

The team that gets the closest will get a bonus stamp, so it is to your benefit to not share your accurate data, methods, or information. You are competing against each other.

Two different lengths will be given to you. You will be walking these two known lengths and the length of the building at a normal, repeatable walking speed. If you know a certain *distance*, and you could *time* yourself walking this distance, what could you calculate?? Once you know, then you can determine the length of the long side of the building.

Procedures:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

Data:

Length of Building:

