

Projectile Motion Lab

GRADE SHEET

Turn in one copy signed **and** initialed per group. Attach your target sheet to this.

Group members: _____

DATA TABLE

	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Minimum Vel.	Maximum Vel.
Velocity (m/s)							

CALCULATIONS

Height the ball is launched from: _____ Launch angle: _____

In the space below show your math for calculating the ball's range.

Calculate the maximum and minimum ranges.

	Vert	Horz

ANSWERS

	Calculated range from above	Actual range	Measured difference between ranges
Fill in your values			

PERCENT ERROR

Show calculations for your data below.

$$\text{Percent Error} = \frac{|\text{Calculated Range} - \text{Actual Range}|}{\text{Calculated Range}} \times 100$$

Percent Error =