

RANGE AND ANGLE LAB!

Name _____

Purpose: To accurately calculate range of a projectile

Procedure: Set up launchers. Learn how to safely use. Set up receiving box at launch height. Launch the projectile at the given angles, carefully measuring the horizontal distance covered. Answer questions.

Launch Angle	Distance Covered	Draw Trajectory Seen
15°	cm	
30°	cm	
45°	cm	
60°	cm	
75°	cm	

Data:

Questions:

1. Which angle went the farthest?

2. Were any angles similar in range?

3. Is there a relationship between the angles similar in range?

4. Why was the box used? Why not let it land on the table or floor?