

L122 Data and Calculations

Name of experimenter:

Table 1

Smallest division (N):				
Weight of empty box (N):				
Mass in box (kg)	Trial	Pull force (N)	Deviation	% Mean Dev
0.3500	1			
	2			
	3			
	4			
	5			
	Means:			
0.2000	1			
	2			
	3			
	4			
	5			
	Means:			

Table 2

Mass in box (kg)	Measurement	Representative Value (N)	Absolute Uncertainty (N)	Relative Uncertainty
0.3500	Weight of box		0.1	
	Pull force			
	μ_s			
0.2000	Weight of box		0.1	
	Pull force			
	μ_s			

Table 3			
Hypotenuse (m):			
Mass in box (kg):	0.3500		
Trial	Rise (m)	Deviation (m)	% Mean Deviation
1			
2			
3			
4			
5			
Means:			

Table 4	
Weight of empty box (N)	
Mass in box (kg)	Pull at constant velocity (N)
0	
0.1000	
0.2000	
0.3000	