FACTORS THAT AFFECT ACCELERATION LAB

Purpose:

Procedure:

DATA TABLE:

trial	X-Axis 1st F (washers)	measured s flag m	measured s track m	measured Add mass g	measured gate 1 t 1 s	measured gate 2 t 2 s	calculated V1=s flag/t1 v 1 m/s	calculated V2=s flag/t2 v2 m/s	Y-Axis Both Graphs calculated a=(v2*v2-v1*v1)/2s track a m/s/s
1	1			0.0					
2	2			0.0					
3	3			0.0					
4	4			0.0					
5	5			0.0					
6	6			0.0					
7	7			0.0					
8	8			0.0					
9	9			0.0					
10	10			0.0					
11	10								
12	10								
13	10								
14	10								
15	10								
16	10								
17	10								
18	10								
19	10								
20	10								

Calculations:

V1=s flag/t1

Graphs: Acceleration vs Force   and   Acceleration vs Mass

Conclusion:

Summary: