

Mechanics Lab Practical - Group

Names:

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Video Links: [YouTube](#) or [Download](#)

Your Task:

Using the video, calculate as many physics properties as you can that incorporate our topics of Motion, Forces, Energy, and Momentum. Some properties are very easy to measure or read from the video (mass, angle, etc) while others will need more calculations (kinetic energy, normal reaction force, etc). For properties that exist throughout, you are only allowed to include in two locations (i.e. initial and final momentum)



Show the calculations in the jamboard and record your final answers below. The first few rows have been started for you but you will need to add in the others. Only answers within the accepted range of uncertainty will be accepted in the final count so it's a good idea to aim high!

#	Property	Value (with Units)
1	Mass	
2	Angle	
3	Distance	
4	Time	
5	Initial Velocity	
6		
7		
8		
9		
10		

#	Property	Value (with Units)
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

Rubric:

Work shown on Jamboard	Missing		Inconsistent		Complete	
	0		1		2	
Units included	Missing		Inconsistent		Complete	
	0		1		2	
Properties Calculated Correctly	9 or less	10-11	12-13	14-15	16-17	18+
	1	2	3	4	5	6