

MT Project Ave. Acceleration and Max Distance Grading Sheet

This is NOT a Lab Report

Names: _____

State Hypothesis: (1 pt each answer)..... 4 _____

1. Each MUST be checked by me BEFORE you perform your lab
2. Hypothesis makes sense AND is backed up with reasoning

Materials: (Not Needed)..... 0 _____

Procedure: (Not Needed) 0 _____

Picture: (at least 2)..... 0 _____

Data tables and Graphs (1 point for each DT and Graph)

Be sure to include labels and titles and to properly fill out the data tables

Average Acceleration

1. Changed the axel (Data Table)..... 6 _____
 - a. All data present..... 2 _____
 - b. Title and Labels 2 _____
 - c. Make sense 2 _____
2. Changed the axel (Graph) 4 _____
 - a. Title and Labels 2 _____
 - b. Make sense 2 _____
3. Changed the Lever Arm (Data Table)..... 6 _____
 - a. All data present..... 2 _____
 - b. Title and Labels 2 _____
 - c. Make sense 2 _____
4. Changed the Lever Arm (Graph) 4 _____
 - a. Title and Labels 2 _____
 - b. Make sense 2 _____

Max Distance

5. Changed the axel (Data Table)..... 6 _____
 - a. All data present..... 2 _____
 - b. Title and Labels 2 _____
 - c. Make sense 2 _____
6. Changed the axel (Graph) 4 _____
 - a. Title and Labels 2 _____
 - b. Make sense 2 _____
7. Changed the Lever Arm (Data Table)..... 6 _____
 - a. All data present..... 2 _____
 - b. Title and Labels 2 _____
 - c. Make sense 2 _____
8. Changed the Lever Arm (Graph) 4 _____
 - a. Title and Labels 2 _____
 - b. Make sense 2 _____

Total **44** _____

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Example (You should have 4 of these when you are done)

Hypothesis:

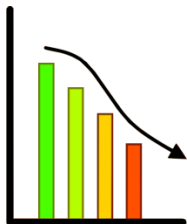
We believe the _____ axel will cause the MT to have the greatest acceleration because _____

Average Acceleration by changing the axel							
MT Loc.	Axel	Lever Arm	Time 1 m (s)	Time 2 m (s)	Velocity 1 (m/s)	Velocity 2 (m/s)	Ave. Acceleration (m/s ²)
Normal	Small	Short					
Trial 1							
Trial 2							
Trial 3							
Average							

Average Acceleration by changing the axel							
MT Loc.	Axel	Lever Arm	Time 1 m (s)	Time 2 m (s)	Velocity 1 (m/s)	Velocity 2 (m/s)	Ave. Acceleration (m/s ²)
Medium	Small	Medium					
Trial 1							
Trial 2							
Trial 3							
Average							

Average Acceleration by changing the axel							
MT Loc.	Axel	Lever Arm	Time 1 m (s)	Time 2 m (s)	Velocity 1 (m/s)	Velocity 2 (m/s)	Ave. Acceleration (m/s ²)
Far	Small	Long					
Trial 1							
Trial 2							
Trial 3							
Average							

Graph (most likely on a separate sheet)



(You will have 3 Data Tables for Each "Problem" and then graph the averages on ONE graph)