DATA TABLES AND GRAPH

# Data Table 1

| **Trial** | **Hanging Mass (g)** | **Distance *d* (m)** | **Time 1 (s)** | **Time 2 (s)** | **Time 3 (s)** | **Average Time (s)** |
| --- | --- | --- | --- | --- | --- | --- |
| **1** |  | 1.0 |  |  |  |  |
| **2** |  | 1.0 |  |  |  |  |
| **3** |  | 1.0 |  |  |  |  |
| **4** |  | 1.0 |  |  |  |  |
| **5** |  | 1.0 |  |  |  |  |

# Data Table 2: Summary for Graph and Calculations

| **Trial** | **Hanging Mass (g)** | **Hanging Mass**  **mhang**  **(kg)** | **Cart Mass (kg)** | **Total mass**  ***m*total**  **(kg)** | **Force**  **F = *m*hangg**  **(N)** | **Acceleration *a* (m/s2)** |
| --- | --- | --- | --- | --- | --- | --- |
| **1** |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |

# Graph

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