|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Trial** | **Slope trial 1**  **(m/s2)** | **Slope trial 2**  **(m/s2)** | **Slope trial 3**  **(m/s2)** | **Average acceleration**  **(m/s2)** | **Total mass**  **M**  **(kg)** | **Mass on hanger**  **m**  **(kg)** |
| 1 |  |  |  |  | *control* |  |
| 2 |  |  |  |  | *control* |  |
| 3 |  |  |  |  | *control* |  |
| 4 |  |  |  |  | *control* |  |
| 5 |  |  |  |  | *control* |  |

**Data tables**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Trial** | **Slope trial 1**  **(m/s2)** | **Slope trial 2**  **(m/s2)** | **Slope trial 3**  **(m/s2)** | **Average acceleration**  **(m/s2)** | **Total mass**  **M**  **(kg)** | **Mass on hanger**  **m**  **(kg)** |
| 1 |  |  |  |  |  | *control* |
| 2 |  |  |  |  |  | *control* |
| 3 |  |  |  |  |  | *control* |
| 4 |  |  |  |  |  | *control* |
| 5 |  |  |  |  |  | *control* |

**Calculations**

**Repeat for each section of lab**

|  |  |  |  |
| --- | --- | --- | --- |
| **Trial** | **Net force  weight of mass on string.**  **m∙g**  **(N)** | **Accepted**  **Acceleration**  **(m/s2)**  **Formula in class** | **% error** |
| **1** | **Write sentences describing calculations**  **Show work for one** | **Write sentences describing calculations**  **Show work for one** | **Write sentences describing calculations**  **Show work for one** |
| **2** |  |  |  |
| **3** |  |  |  |
| **4** |  |  |  |
| **5** |  |  |  |