**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Microsoft Excel Example Directions**

Data Sheet

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Marbles | Bag of 10 | Bag of 20 | Bag of 30 | Bag of 40 |
| Mass (g) |  g |  g |  g |  g |

Slime Stretch Data Table

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Time (sec) | Distance (cm)No added stress | Distance (cm)Added stress of40.2 g  | Distance (cm)Added stress of80.4 g  | Distance (cm)Added stress of120.6 g  | Distance (cm)Added stress of160.8 g  |
| 0 | 0 | 0 | 0 | 0 | 0 |
| 5 | 2 | 2 | 3 | 5 | 2 |
| 10 | 3 | 3 | 9 | 17 | 9 |
| 15 | 4 | 4 | 15 | 44 | 20 |
| 20 | 5 | 5 | 28 |  |  |
| 25 | 7 | 9 | 50 |  |  |
| 30 | 10 | 13 | 95 |  |  |
| 35 | 17 | 20 |  |  |  |
| 40 | 30 | 35 |  |  |  |
| 45 | 46 | 60 |  |  |  |
| 50 | 93 | 100 |  |  |  |
| 55 |  |  |  |  |  |
| 60 |  |  |  |  |  |
| 65 |  |  |  |  |  |
| 70 |  |  |  |  |  |
| Snapped?Yes or No | Yes at 150 cm | Yes at 140 cm | Yes at 180 cm | Yes at 70 cm | Yes at 25 cm |
| Average Speed | 1.86 cm/sec | 2.00 cm/sec | 3.166 cm/sec | 2.933 cm/sec | 1.33 cm/sec |
| Instantaneous Speed at 15 cm | 0.94 cm/sec | 0.47 cm/sec | 1.00 cm/sec | 1.88 cm/sec | 1.25 cm/sec |

1. **Enter Title and Data into Excel Grid**



1. **Highlight Data and Click Line Graph under Chart Tab**



1. **Select a chart layout that includes a graph title and axis titles**



1. **Fill in title and axis titles**
2. **5. Students can copy and paste graph into a power-point or word document for presentation**

