About Accuracy and Approximation Worksheet

*Part A:* 1 ROTATION

|  |  |  |
| --- | --- | --- |
| *Measure* and *Calculate* | In **millimeters** (mm) | |
| Actual  length of the line | 177 | |
| Measured  length of the line |  | |
| Actual  Measured  - |  |

Measured

Actual

Which length is longer or ?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Actual

Measured

By how much is your length different from the length? \_\_\_\_\_\_ (mm)

Measured

How accurate do you think your length is? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Part B:* 2 ROTATIONS

|  |  |  |  |
| --- | --- | --- | --- |
| *Measure* and *Calculate* | In **centimeters** (cm) | **Round up**to the nearest whole number(cm) | **Round down** to the nearest whole number (cm) |
| Actual  length of the line | 35.4 | 36 | 35 |
| Measured  length of the line |  |  |  |
| Actual  Measured  - |  |  |  |

Measured

How accurate do you think your length is? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_