Quiz 1B: Uncertainty Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_

1. What is the absolute uncertainty of a digital stopwatch that makes the measurement “3.45 s”?
2. Compute the following with the proper and uncertainty (recorded as percent OR absolute)
   1. (506.22 ± 0.62 m) + (3.26 ± 0.15 m) =
   2. (506.22 ± 0.62 m) × (3.26 ± 0.15 m) =
3. Calculate the Absolute and Percentage Uncertainty for the average of the following set of data

|  |
| --- |
| 56.2 cm |
| 54.9 cm |
| 53.8 cm |
| 55.5 cm |

|  |
| --- |
| Absolute: |
| Percentage: |

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