**Significant Figures in Measurement**

Use the “built-in” ruler to measure the following lines.

↓ Line One ↓

 0 1 2 3 4 5 6 7 8 9

↑ Line Two ↑

Line One \_\_\_\_\_\_\_\_\_\_ units Line Two \_\_\_\_\_\_\_\_\_\_ units

* In Line One’s measurement, which digit(s) are certain? \_\_\_\_\_\_\_\_\_\_
* In Line One’s measurement, which digit(s) are estimated? \_\_\_\_\_\_\_\_\_\_
* In Line Two’s measurement, which digit(s) are certain? \_\_\_\_\_\_\_\_\_\_
* In Line Two’s measurement, which digit(s) are estimated? \_\_\_\_\_\_\_\_\_\_
* What are the significant figures in Line One’s measurement? \_\_\_\_\_\_\_\_\_\_
* What are the significant figures in Line Two’s measurement? \_\_\_\_\_\_\_\_\_\_
* What would you need in order to increase the number of significant figures in each measurement?

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* In Line Two’s measurement, which digit(s) are certain? \_\_\_\_\_\_\_\_\_\_
* In Line Two’s measurement, which digit(s) are estimated? \_\_\_\_\_\_\_\_\_\_
* What are the significant figures in Line One’s measurement? \_\_\_\_\_\_\_\_\_\_
* What are the significant figures in Line Two’s measurement? \_\_\_\_\_\_\_\_\_\_
* What would you need in order to increase the number of significant figures in each measurement?