**Significant Figures Quiz**

Determine the number of significant figures in each measured value and the precision to which it was measured: (1 pt each space)

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| --- | --- | --- |
|  | **Number of sig figs** | **Precise to what place?** |
| **0.89 liters** |  |  |
| **3.4 kilograms** |  |  |
| **0.010 grams** |  |  |
| **290. cm** |  |  |
| **4.0 x 104 Pascals** |  |  |
| **0.0760 seconds** |  |  |

1. What is the difference between precision and accuracy? (3 pt)
2. Why wouldn’t it be correct to determine the weight of my large, angry, and vicious dog to be 120 kilograms? (3 pt)