**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?** |
| **8.9 liters** |  |  |
| **34 kilograms** |  |  |
| **0.10 grams** |  |  |
| **290 cm** |  |  |
| **4.50 x 104 Pascals** |  |  |
| **0.00760 seconds** |  |  |

1. What is the difference between accuracy and precision? (3 pt)
2. Why wouldn’t it be correct to determine the weight of my kitten to be 125.003498 kilograms? (3 pt)