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Chapter 1
Sig Figs (cont.)
- we pay attention 2 sig figs so we don't overstate accuracy

Rules:

1. All nonzero digits are sig figs ex: 23056 = 5 sig figs
2. Zeros between 2 sig figs also sig figs ex: 1005 = 4 sig figs
3. Zeros @ beg. of number NOT sig figs ex: 0.1 = 1 sig fig
4. Zeros @ end sig figs IF decimal # ex: 0.0200 = 3 sig figs
5. Scientific notation can determine end zeros
Sig figs ex: 10,300
6. 20.42□ ← We don't really know these, so not sig figs
83.1□□
+ 1.322
104.842
Sig figs answer: 104.8

Dimensional Analysis

$5\text{cm} \cdot \frac{1\text{in.}}{2.54\text{cm}} = 1.968\text{ in.}$

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