## Problem 69

An infant's pulse rate is measured to be $130 \pm 5$ beats $/ \mathrm{min}$. What is the percent uncertainty in this measurement?

## Solution

To obtain the percent uncertainty, divide the uncertainty by the pulse rate and multiply by $100 \%$.

$$
\frac{5 \frac{\text { beats }}{\operatorname{Lnin}}}{130 \frac{\text { bearts }}{\operatorname{lin}}} \times 100 \% \approx 4 \%
$$

