## Problem 69

An infant's pulse rate is measured to be  $130 \pm 5$  beats/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%.

$$\frac{5 \frac{\text{beaks}}{\text{min}}}{130 \frac{\text{beaks}}{\text{min}}} \times 100\% \approx 4\%$$