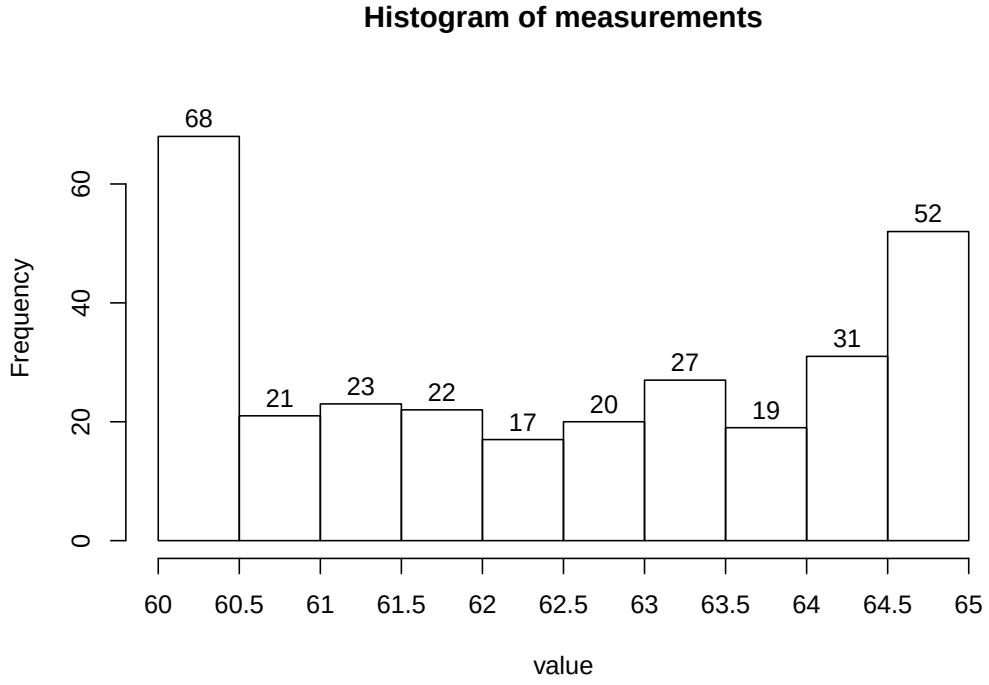
1. **Problem**
   A continuous random variable was measured 300 times. The histogram is shown below.



(a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)

(b) Estimate the range of the distribution (range = max-min).

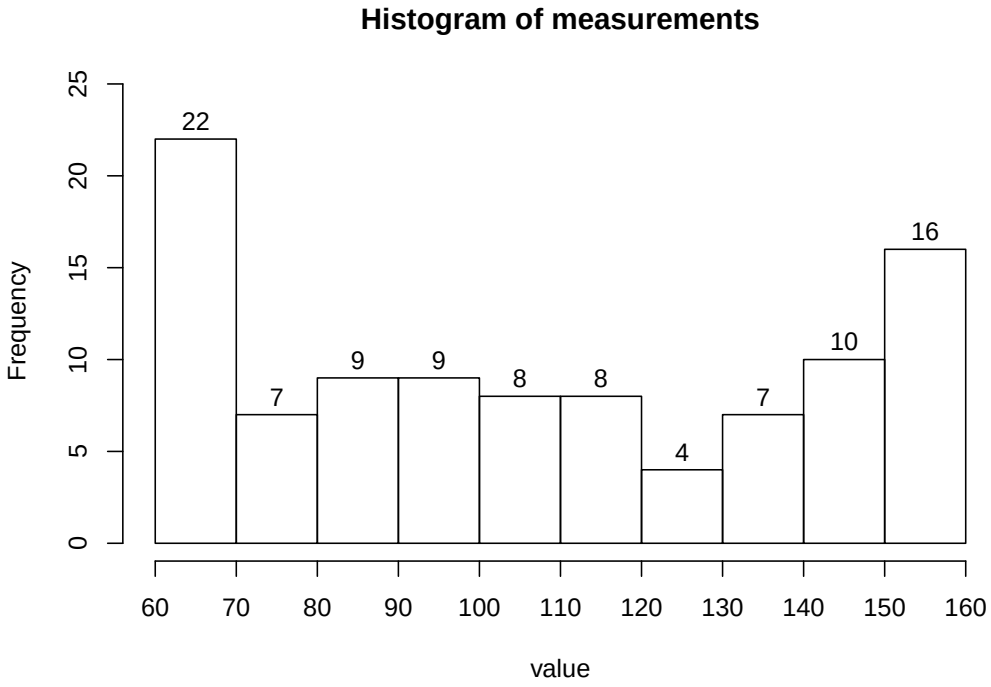
(c) What percent of the measurements are less than 62?

(d) What percent of the measurements are less than 61.5?

(e) Of the measurements less than 62, what percent are less than 61.5?

(f) Estimate the value of the 22.67th percentile.

2. **Problem**
A continuous random variable was measured 100 times. The histogram is shown below.



(a) Describe the overall shape of the distribution. (symmetric mound, skew left, skew right, uniform, or bimodal)

(b) Estimate the range of the distribution (range = max-min).

(c) What percent of the measurements are greater than 130?

(d) What percent of the measurements are less than 150?

(e) Of the measurements greater than 130, what percent are less than 150?

(f) Estimate the value of the 74th percentile.