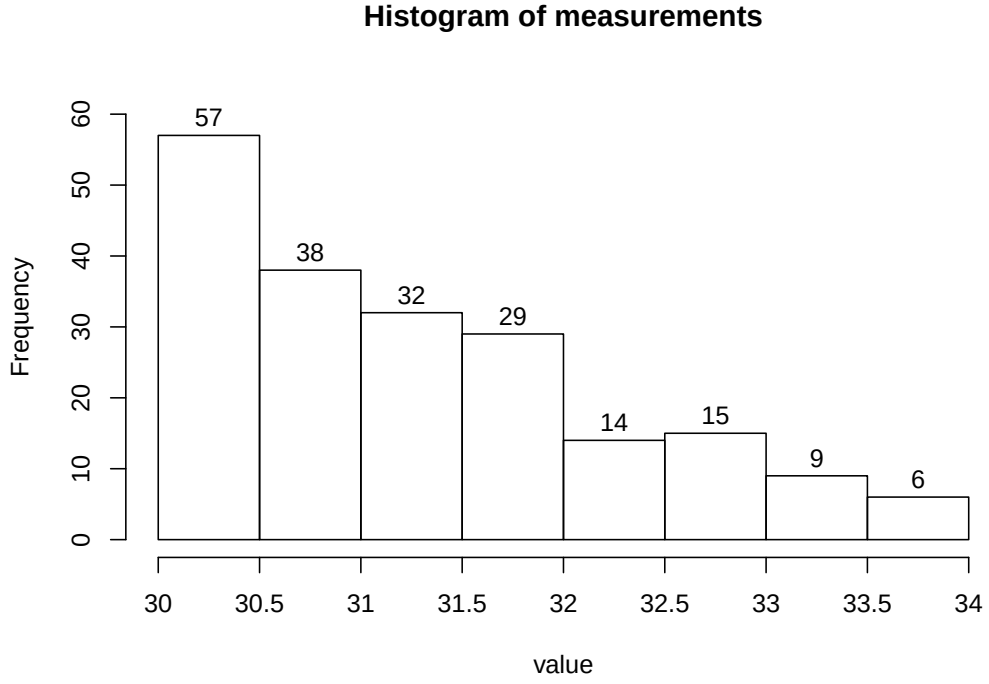
1. **Problem**
   A continuous random variable was measured 200 times. The histogram is shown below.



(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).

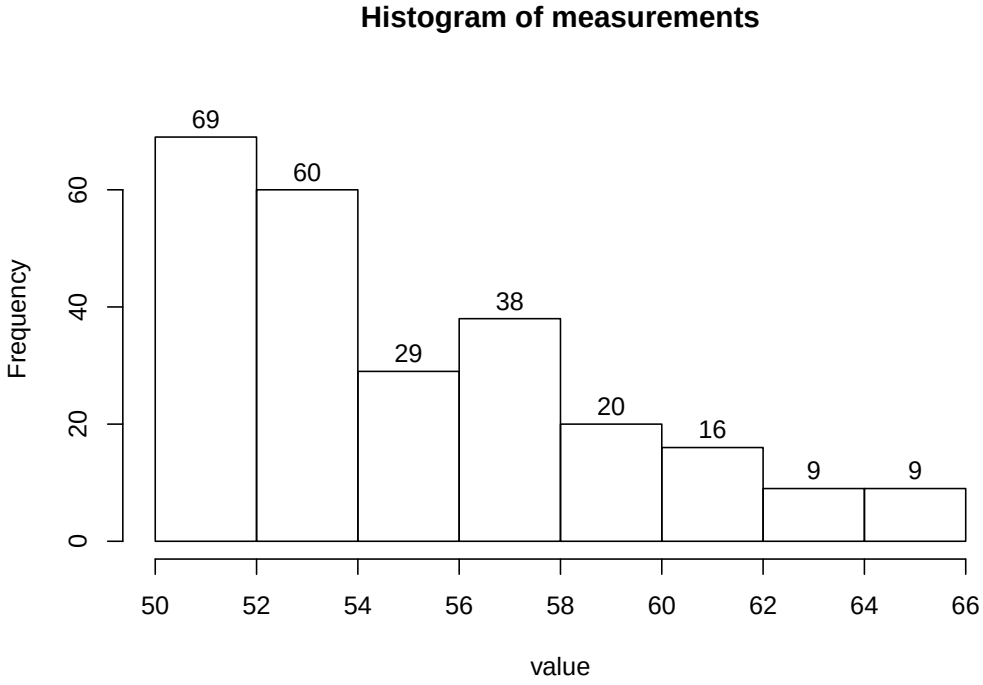
(c) What percent of the measurements are greater than 31.5?

(d) What percent of the measurements are greater than 32.5?

(e) Of the measurements greater than 31.5, what percent are greater than 32.5?

(f) Estimate the value of the 47.5th percentile.

2. **Problem**
A continuous random variable was measured 250 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 60?

(d) What percent of the measurements are greater than 52?

(e) Of the measurements less than 60, what percent are greater than 52?

(f) Estimate the value of the 92.8th percentile.