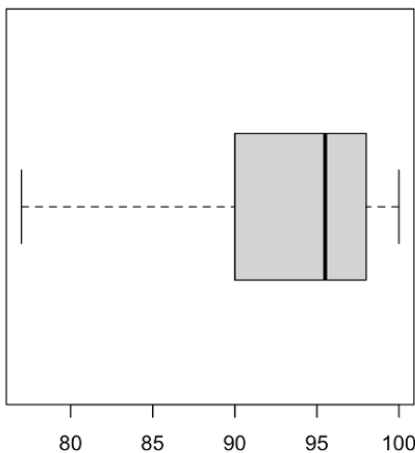# Unit 3 Quiz

1. Based on the boxplot below, **determine** which measures of center and spread are most appropriate. **Explain** why.

Homework Grades (%)

2. **Find** the sample standard deviation for the following dataset. **Show you work**.
   - Data: 12, 6, 34, 25, 9, 40, 12, 40, 13, 35, 32, 11, 10, 39, 21

3. We are interested in how much money college graduates make their first year after school. Lets assume this follows a normal distribution with mean $\mu = $ \$45,000 and standard deviation $\sigma = $ \$2,500, how much money do the middle 95% of college graduates make? **Show you work**.