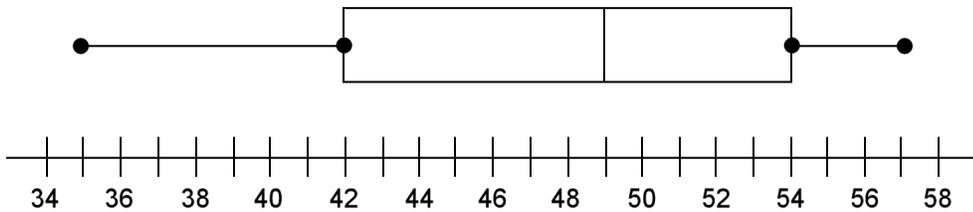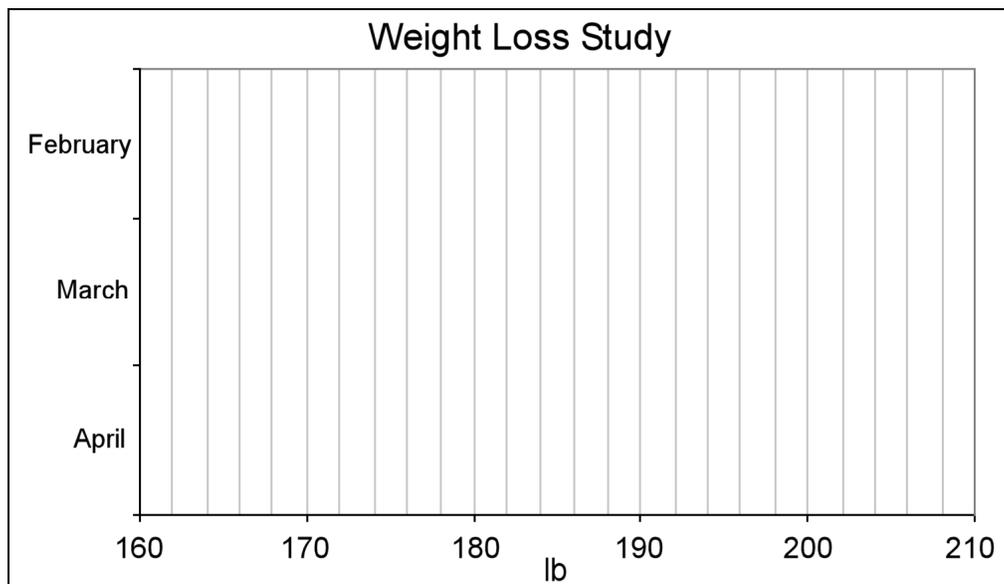# Box-and-Whisker Plots 1

1. A boxplot was made from some data. Find the median, the 1st quartile, the 3rd quartile, the minimum, the maximum, and the range of the data.

2. Make a box-and-whisker plot from the following data sets.

   a. Initial weights (February) of 14 women in a weight loss study (in pounds):
   189 176 186 200 204 188 175 179 188 190 199 194 187 195

   b. Weights of the same women one month later (March):
   186 172 180 190 195 179 173 177 180 187 187 190 184 190

   c. Weights of the same women two months later (April):
   180   166   175 183 189 177 170 171 170 184 188 182 180 185

   d. Compare the data in a. and c.
   How did the median change?
   How did the maximum weight change?
   How did the minimum weight change?
   How did the range change?
   How would you judge the effectiveness of the weight loss method used in the study?