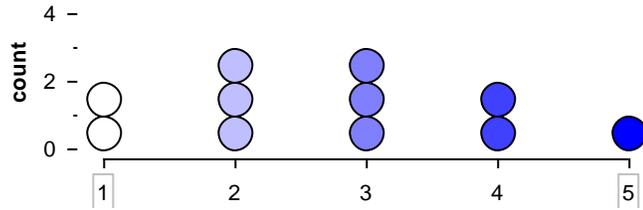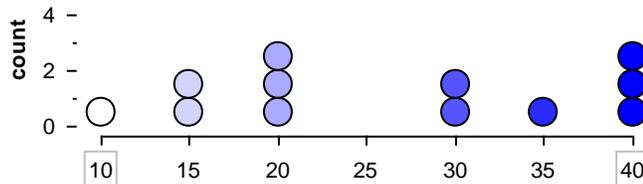1. Find the median for this set of data.

2. Make a box plot of the data in problem #1. (ie., mark the quartiles on the number line. Use the quartile marks to make a box. Then mark the lowest data value and the highest data value. Connect these to the box with a horizontal line.)

3. Divide this histogram into four quartiles.

4. Mark the percent of data in each of the four bins. (Hint: It's not 25%)

5. Are the men really faster than the women?
   a. Use what you know about medians **and quartiles** to answer this question.
   b. Hint: When there are an even amount of data, the median is the average between the two middle numbers (so for 1, 1, 2, 3, the median is the average between 1 and 2 or 1.5). This is also true for quartiles.