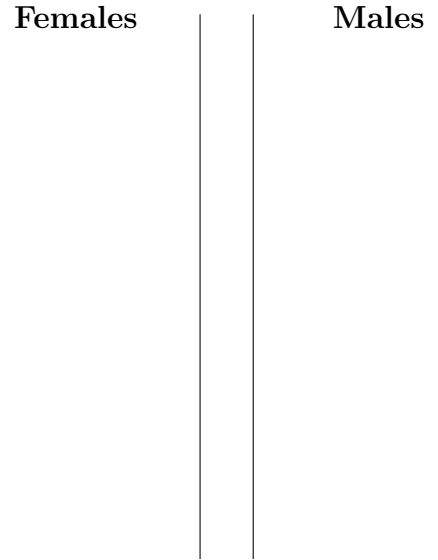


1. This worksheet considers two ways of looking at the relationship between maximum speed driven and gender. Using the data collected from your class, construct a back-to-back stemplot of the maximum speeds for males and females below to the right.



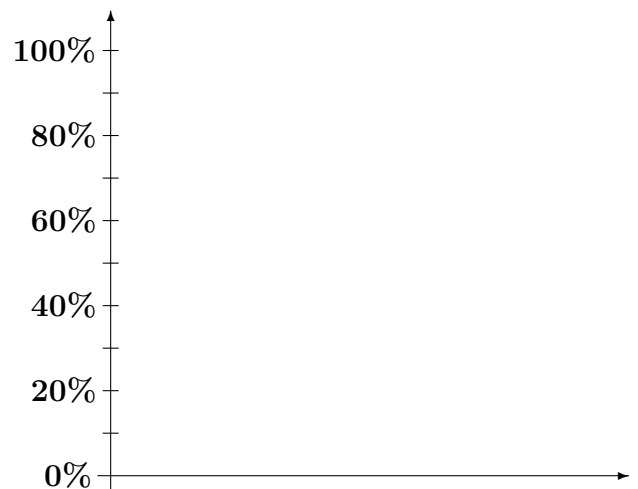
2. Based on the display you constructed, describe the relationship between maximum speed driven and gender in one to two complete sentences.

3. Complete the two-way table provided to the right.

Maximum Speed Driven	Gender	
	Female	Male
100mph or less		
101-120mph		
More than 120mph		

4. Give the marginal distribution of the maximum speed variable.

5. In the empty axes drawn to the right, construct a segmented bar chart representing the conditional distributions of the maximum speed variable for both males and females (Be sure to label your axes CLEARLY!).



6. Based on the segmented bar chart you created, do gender and maximum speed driven appear to be independent of one another? Explain why or why not in one complete sentence.