

## 9.2 Exercises



**Height** The double stem-and-leaf plot shows the heights of players on a women's basketball team and players on a men's basketball team. In Exercises 1–8, use the double stem-and-leaf plot. (See Examples 1 and 2.)

Player Height																	
Women's Team					Stem	Men's Team											
				9	8	5	6										
7	6	5	5	4	4	3	2	7	2	4	4	6	7	7	8	9	9
								8	0	1	2	3	4	4	5		

**Key:**

Women's:  $5|6| = 65\text{-inch-tall woman}$

Men's:  $|7|2 = 72\text{-inch-tall man}$



1. Compare the mean of each data set.
2. What is the mode of each data set?
3. Compare the median of each data set.
4. What percent of the players on the men's team are at least 7 feet tall?
5. Which measure of central tendency best describes the average height of the players on the women's basketball team?
6. Which measure of central tendency best describes the average height of the players on the men's basketball team?
7. Suppose each player's height on the women's team is 2 inches greater. How does this affect the mean and the median of the data?
8. The 5 starting players on the men's team have a mean height of 80.2 inches. Find the heights of 5 possible starters.