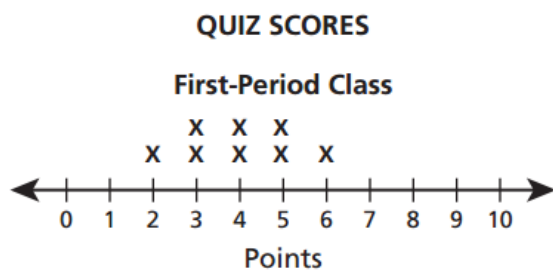


Use the following data to answer questions 1 through 5.

Boys GPA: 3.0, 2.2, 2.5, 3.1, 4.0, 3.8, 2.7, 3.6, 3.9

Girls GPA: 2.5, 1.9, 4.0, 3.8, 3.7, 2.5, 4.0, 3.6, 2.8

1. Before calculating the mean, which gender do you predict has the highest average GPA for the samples? Explain why you made this prediction.
2. Now compute the mean for boys and the mean for girls.
Boys: _____ Girls: _____
3. Were you wrong or right?
4. Find the mean absolute deviation for boys and girls.
Boys: _____ Girls: _____
5. Which gender had a higher variation? What does this mean?
6. Find the MAD from the dot plot below.



7. Second period took the same quiz. The mean score was 5 and the MAD was 3. Which class had more consistent scores (less variance)? Explain how you know.