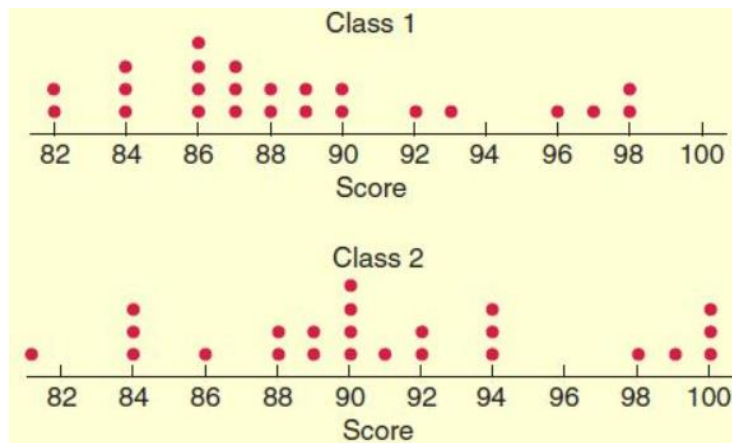


## Possible Solutions

### Possible Solution Example 1

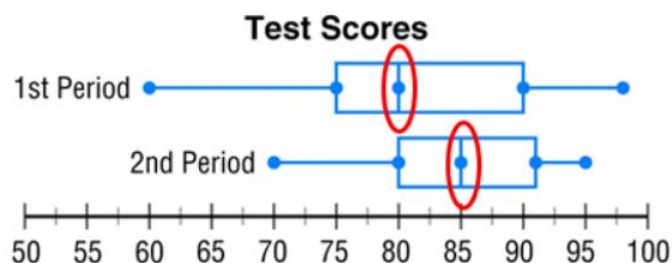
Ms. Johnson looked at the scores from two different math classes. The dot plots below show this data. What conclusions can you draw about the spread of the data of class scores?



- Class 1 has a spread of  $98 - 82 = 16$
- Class 2 has a spread of  $100 - 81 = 19$
- A conclusion that can be made is that Class 2 has a greater spread than Class 1.

### Possible Solution Example 2

The data for the end of semester test scores were collected in Mrs. Smith's 1<sup>st</sup> and 2<sup>nd</sup> period classes. The data is displayed in the box plot below. What conclusions can you draw about the spread of the data of class scores?



- The median test score for 1<sup>st</sup> period is 80, and the median test score for 2<sup>nd</sup> period is 85, which means that the middle test score in 2<sup>nd</sup> period was higher than the middle test score in 1<sup>st</sup> period.