

Below is the data for two classes.

**Class A:**

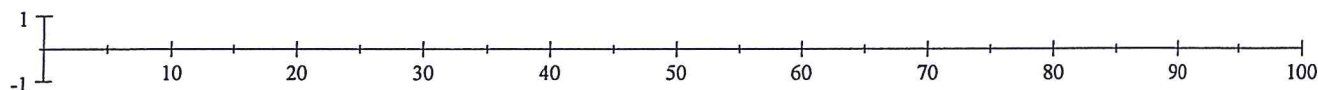
Hwk % completion:  $X_{\min} = 17.6$      $Q1 = 52.9$      $Med = 69.1$      $Q3 = 89.7$      $X_{\max} = 100$   
 Overall Grades (%):  $X_{\min} = 50.1$      $Q1 = 66.4$      $Med = 76.8$      $Q3 = 81.2$      $X_{\max} = 97.7$

**Class B:**

Hwk % completion:  $X_{\min} = 35.3$      $Q1 = 67.6$      $Med = 82.4$      $Q3 = 100$      $X_{\max} = 100$   
 Overall Grades (%):  $X_{\min} = 68.6$      $Q1 = 73.7$      $Med = 79.4$      $Q3 = 92.4$      $X_{\max} = 96.9$

Using the number line below make a box-and-whisker plots for the hwk % completion for each class. Put Class A above the number line and Class B below. Then answer the questions using the plot.

**Class A:**

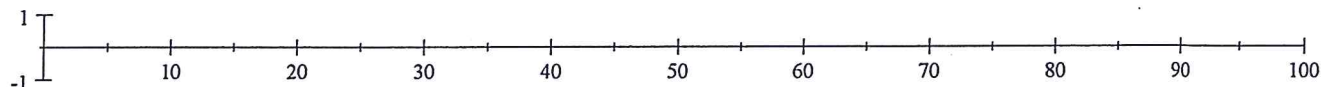


**Class B:**

1. If you completed about 68% of your homework:
  - a. In Class A about what % of the class did completed more homework than you?
  - b. In Class B about what % of the class did completed more homework than you?
2. If you completed about 85% of your homework:
  - a. In Class A about what % of the class did completed less homework than you?
  - b. In Class B about what % of the class did completed less homework than you?

Using the number line below make a box-and-whisker plots for the Overall Grades (%) for each class. Put Class A above the number line and Class B below. Then answer the questions using the plot.

**Class A:**



**Class B:**

3. If your overall grade is about a 67%:
  - a. In Class A about what % of the class has a lower grade than you?
  - b. In Class B about what % of the class has a lower grade than you?
4. a. In Class A what is the range of the middle 50% of the class (Interquartile range)?  
 b. In Class B what is the range of the middle 50% of the class (Interquartile range)?

Below is the data for two classes.

**Class A:**

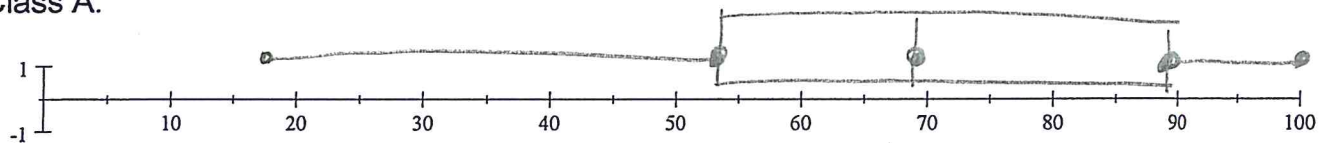
Hwk % completion:  $X_{\min} = 17.6$   $Q1 = 52.9$   $Med = 69.1$   $Q3 = 89.7$   $X_{\max} = 100$   
 Overall Grades (%):  $X_{\min} = 50.1$   $Q1 = 66.4$   $Med = 76.8$   $Q3 = 81.2$   $X_{\max} = 97.7$

**Class B:**

Hwk % completion:  $X_{\min} = 35.3$   $Q1 = 67.6$   $Med = 82.4$   $Q3 = 100$   $X_{\max} = 100$   
 Overall Grades (%):  $X_{\min} = 68.6$   $Q1 = 73.7$   $Med = 79.4$   $Q3 = 92.4$   $X_{\max} = 96.9$

Using the number line below make a box-and-whisker plots for the hwk % completion for each class. Put Class A above the number line and Class B below. Then answer the questions using the plot.

**Class A:**



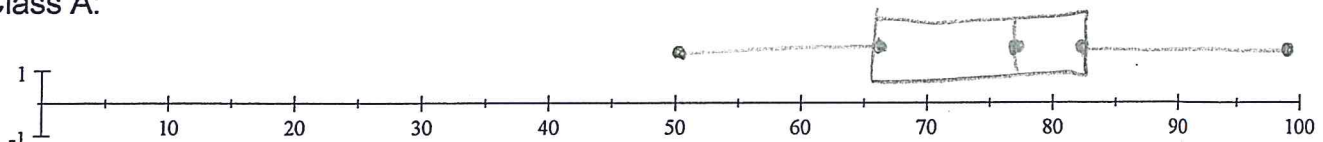
**Class B:**



1. If you completed about 68% of your homework:
  - a. In Class A about what % of the class did completed more homework than you? *50%*
  - b. In Class B about what % of the class did completed more homework than you? *75%*
2. If you completed about 85% of your homework:
  - a. In Class A about what % of the class did completed less homework than you? *75%*
  - b. In Class B about what % of the class did completed less homework than you? *50%*

Using the number line below make a box-and-whisker plots for the Overall Grades (%) for each class. Put Class A above the number line and Class B below. Then answer the questions using the plot.

**Class A:**



**Class B:**



3. If your overall grade is about a 67%:
  - a. In Class A about what % of the class has a lower grade than you? *25%*
  - b. In Class B about what % of the class has a lower grade than you? *0%*
4. a. In Class A what is the range of the middle 50% of the class (Interquartile range)? *14.8*
- b. In Class B what is the range of the middle 50% of the class (Interquartile range)? *18.7*