- a. The interquartile range. Compare the two interquartile ranges.
- b. Any outliers in either set.

The five number summary for the day and night classes is

Minimum	Q_1	Median	Q_3	Maximun

 Day
 32
 56
 74.5
 82.5
 99

 Night
 25.5
 78
 81
 89
 98

Day:
$$IQR = Q3 - Q1$$

$$IQR = 26.5$$

Lesser Outlier: Q1 - 1.5*IQR

$$= 56 - 1.5*26.5 = 56 - 39.75$$

= 16.25

Greater Outlier: Q3 + 1.5*IQR

$$= 82.5 + 1.5*26.5 = 82.5 + 39.75$$

= 122.25

There is no lesser and greater outlier present in Day.

Night: IQR = Q3 - Q1

Lesser Outlier: Q1 - 1.5*IQR

$$= 78 - 1.5*11 = 78 - 16.5$$

= 61.5

Greater Outlier: Q3 + 1.5*IQR

$$= 89 + 1.5*11 = 89 + 16.5$$

There is no lesser and greater outlier present in Night.