IQR

Interquartile Range(IQR)

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	Maximum
Day	32	56	74.5	82.5	99
Night	25.5	78	81	89	98

Day: IQR=Q3-Q1

               IQR=82.5-56

               IQR=26.5

NIGHT: IQR=Q3-Q1

               IQR=89-78

               IQR=11

DAY

        Lesser Outlier=Q1-1.5*IQR

                  =56-1.5*26.5

                  Lesser Outlier=16.25

        Greater Outlier=Q3-1.5*IQR

                  =82.5-1.5*26.5

                  Greater Outlier=122.25