Name: _____ Period: _____

Box Plots

1) The RBIs (runs batted in) for 15 players from the 2010 Seattle Mariners are shown

Mariners' RBIs
15 51 35 25 58 33 64
43 33 29 14 13 11 4 10

h) Order the data from least to greatest: _____

i) Find the median (middle) : _____

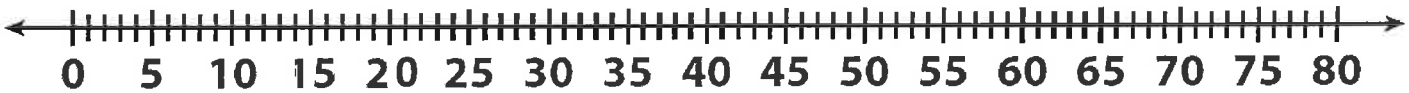
j) Find the lower quartile (the median of the lower half of the data) _____

k) Find the upper quartile (the median of the upper half of the data) _____

l) Find the IQR (upper quartile - lower quartile): _____

m) Find the range (greatest - least): _____

n) Draw a box plot for the data.



2) The heights of several students are shown. Make a box plot for the data.

Students' Heights (in.)					
60	58	54	56	63	61
65	61	62	59	56	58

a) Order the data from least to greatest: _____

b) Find the median (middle) : _____

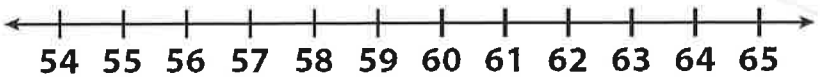
c) Find the lower quartile (the median of the lower half of the data) _____

d) Find the upper quartile (the median of the upper half of the data) _____

e) Find the IQR (upper quartile - lower quartile): _____

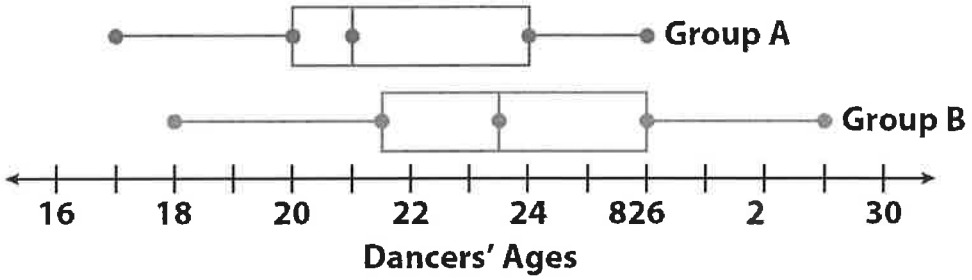
f) Find the range (greatest - least): _____

g) Draw a box plot for the data.



TEKS 6.12A: Box Plots

3) The box plots compare the ages of dancers in two different dance troupes.



a) Find the IQR for each set of data.

Group A: IQR = Upper quartile – Lower quartile

Group B: IQR = Upper quartile – Lower quartile

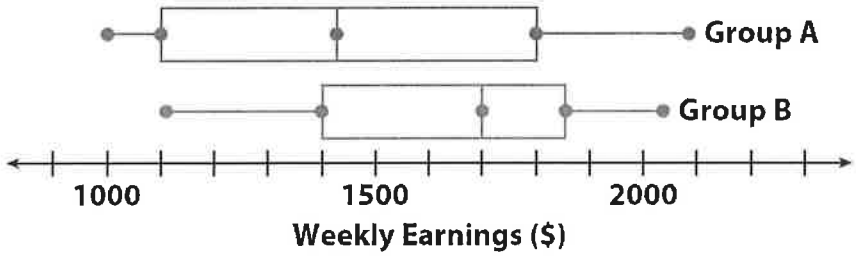
b) Compare the IQRs. How do the IQRs describe the distribution of the ages in each group?

_____

_____

_____.

4) The box plots compare the weekly earnings of two groups of salespeople from different clothing stores.



a) Find the IQR for each set of data.

Group A: IQR = Upper quartile – Lower quartile

Group B: IQR = Upper quartile – Lower quartile

b) Compare the IQRs. How do the IQRs describe the distribution of the weekly earnings in each group?

_____

_____

_____.