Make a box and whisker plot for each data set. Then find the mean and interquartile range. Use the interquartile range to determine if there are any outliers.

1) 5 , 8 , 6 , 2 , 3 , 9

Mean:_____ IQR:_____ Lower fence:_____ Upper fence:_____

2) 3 , 9 , 1 , 3 , 5 , 2

Mean:_____ IQR:_____ Lower fence:_____ Upper fence:_____

3) 10 , 2 , 8 , 6 , 9 , 5 , 5

Mean:_____ IQR:_____ Lower fence:_____ Upper fence:_____

4) 86 , 85 , 22 , 46 , 61 , 32 , 39 , 22 , 75 , 33 , 86

Mean:_____ IQR:_____ Lower fence:_____ Upper fence:_____

5) 2 , 7 , 6 , 9 , 6 , 3 , 1 , 5 , 7 , 8

Mean:_____ IQR:_____ Lower fence:_____ Upper fence:_____

6) 9 , 4 , 1 , 9 , 9 , 3 , 7 , 5

Mean:_____ IQR:_____ Lower fence:_____ Upper fence:_____

7) 1 , 6 , 1 , 5 , 8 , 3 , 2 , 7

Mean:_____ IQR:_____ Lower fence:_____ Upper fence:_____

8) 78 , 74 , 45 , 35 , 68 , 45 , 45 , 63 , 73 , 85 , 49

Mean:_____ IQR:_____ Lower fence:_____ Upper fence:_____

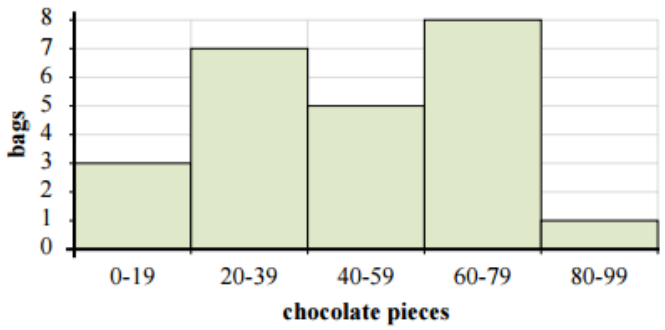
9) 72 , 95 , 38 , 37 , 45 , 54 , 71 , 23

Mean:_____ IQR:_____ Lower fence:_____ Upper fence:_____

10) 22 , 48 , 88 , 75 , 60 , 30 , 53 , 92 , 67 , 77

Mean:_____ IQR:_____ Lower fence:_____ Upper fence:_____

The histogram below show the quantity of chocolate pieces per bag of trail mix.



11) Most bags had between ___ and ___ pieces of chocolate.

12) How many bags had between 60 and 79 chocolate pieces?

13) How many bags of trail mix are represented in this histogram?

14) If a bag had 59 pieces of chocolate in it, which bar would it be added to?