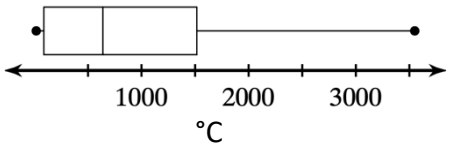
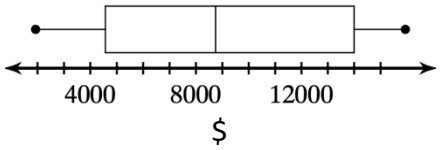
Math 1 - #7.2/3a

1. a) Melting point



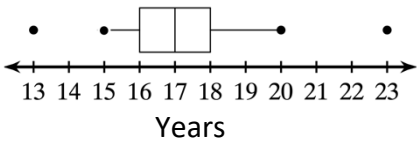
b) 89.3 and 1516.5
c) The median because the data is skewed right
d) The IQR because the data is skewed right

2. a) Per Capita Income



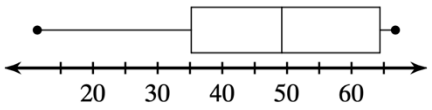
b) 1927 and 14001
c) The mean because the data is symmetric
d) The standard deviation because the data is skewed right

3. a) Age at first job



b) 16 and 18
c) The median because the data has outliers
d) The IQR because the data has outliers

4. a) Annual Precipitation



Inches

b) 89.3 and 1516.5
c)The median because the data is skewed left
d) The IQR because the data is skewed left

5. Shape: The distribution has two peaks, approximately symmetric. Center: The center of the distribution is approximately 17 years. Spread: The data ranges from 11 to 21. Outliers: None
6. Shape: The distribution is mounded shaped and approximately symmetric except for one unusually large value. Center: The center of the distribution is approximately 68 inches if you ignore the large value. Spread: The data ranges from 65 to 72 or 77 depending on if you count the large value. Outliers: one at 77 inches
7. Shape: The distribution is mound shaped and approximately symmetric. Center: The center of the distribution is approximately 7.5. Spread: The data ranges from 4 to 11. Outliers: None
8. Shape: The mound shaped and skewed left. Center: The center of the distribution is approximately 19. Spread: The data ranges from 12 to 22. Outliers: None

9) Median = 65,725, Mean = 67,066, IQR = 18,390 and s = 14,367.99

10) Median = 525,600, Mean = 523,336.36, IQR = 34,100 and s = 17,976.05

11) Median = 6.25, Mean = 6.6, IQR = 1.25 and s = 0.89

12) Median = 32, Mean = 38.24, IQR = 19.7 and s = 14.84