

S.ID.A.3: Central Tendency and Dispersion**Answer Section**

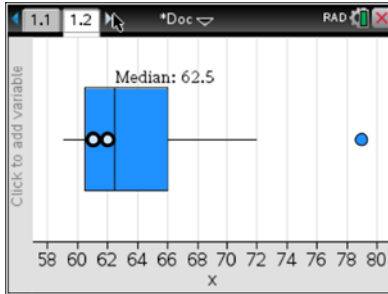
1 ANS: 3

Median remains at 1.4.

REF: 061520ai

2 ANS: 4

(1) The box plot indicates the data is not evenly spread. (2) The median is 62.5. (3) The data is skewed because the mean does not equal the median. (4) an outlier is greater than $Q_3 + 1.5 \cdot IQR = 66 + 1.5(66 - 60.5) = 74.25$.



REF: 061715ai

3 ANS: 1

(1) the mode is a bit high (2) $Q_1 = 41$, $Q_3 = 68$, 1.5 times the IQR of 27 is 40.5, $Q_1 - 1.5IQR = 41 - 40.5 = 0.5$, $Q_3 + 1.5IQR = 68 + 40.5 = 108.5$, so the data have two outliers.

REF: 011816ai