

Chapter 4 Worksheet

Name:

Use the data set below to answer the following questions.

$-2, -1, -1, 0, 1, 1, 2$

1. Calculate the Median.
2. Calculate the Mean (\bar{x}).
3. Complete the 5 — number summary.

Minimum	Q_1	Median	Q_3	Maximum
	-1		1	

4. Calculate the Range and the Interquartile range (IQR).
5. Add 6 to every number in the data set. Write down the adjusted data set.
6. Calculate the mean of the adjusted data set.
7. Calculate the median of the adjusted data set.
8. Calculate the range and IQR of the adjusted data set.
9. How did increasing each data value by 6 affect the measures of center (e.g. Mean and Median)?
10. How does increasing each data value by 6 affect the measures of spread (e.g. Range and IQR)?