**Mid-Chapter Checkpoint**

**Vocabulary**

Choose the best term from the box to complete the sentence.

1. The ___**interquartile range**___ is the difference between the median of the upper half and the median of the lower half of a data set. (p. 503)

2. A graph that shows the median, quartiles, and least and greatest values of a data set is called ___**box plot**___ (p. 496).

3. The difference between the greatest value and the least value in a data set is the ____**range**____ (p. 503).

4. The ___**mean absolute deviation**___ is the mean of the distances between the values of a data set and the mean of the data set. (p. 499)

**Concepts and Skills**

5. Make a box plot for this data set: 73, 65, 68, 72, 70, 74. (CC.6.SP.4)

```
64 65 66 67 68 69 70 71 72 73 74 75
```

Find the mean absolute deviation of the data. (CC.6.SP.5c)

6. 43, 46, 48, 40, 38
7. 26, 20, 25, 21, 24, 27, 26, 23
8. 99, 70, 78, 85, 76, 81

Find the range and interquartile range of the data. (CC.6.SP.5c)

9. 2, 4, 8, 3, 2
10. 84, 82, 86, 87, 88, 83, 84
11. 39, 22, 33, 45, 42, 40, 28

```
6; 4
6; 4
23; 14
```

**Data-Driven Instruction**

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**On Making A Rti**

Checkpoint, use the following resources.

**Common Error**

- Calculate one or more values needed to draw:
  - **R—13.2; TE—p. 495B**

- An arithmetic mistake when calculating from the mean:
  - **R—13.3; TE—p. 4998**