

ANSWER PRESENTATION TOOL

Algebra 1 - Student Edit

11

2 - Exercises

2-16 even, '

ALL EVEN

Show Solu

ODD

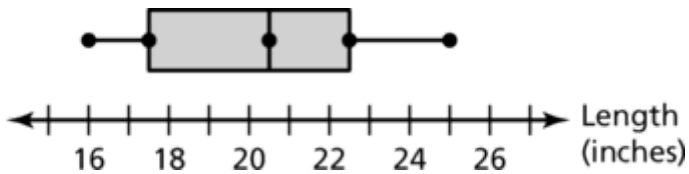
2. Find the difference of the greatest value and the least value of the data set. 23; 9

4. 14

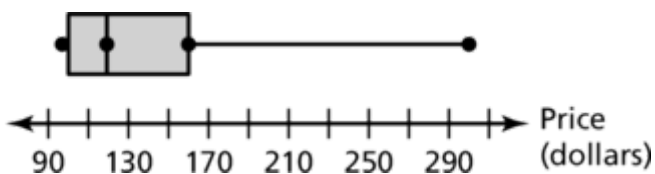
6. 6

8. 11

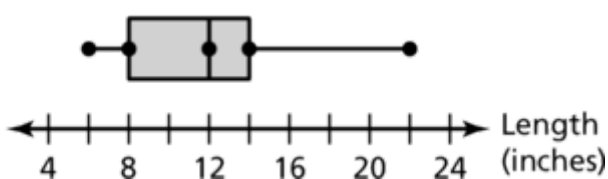
10.



12.



14.



- 16. a.** 17, 7; The number of runs varies by no more than 17 and the middle half of the number of runs vary by no more than 7 runs.
- b.** 25% of the number of runs scored are between 0 and 2, 50% of the number of runs scored are between 2 and 9, and 25% of the number of runs scored are between 9 and 17
- c.** Q2 and Q3; *Sample answer:* $Q3 - Q2 = 5$ and $Q2 - Q1 = 2$

- 17. a.** Sales Rep A: symmetric; Sales Rep B: skewed right
- b.** Sales Rep B; The range and interquartile range are greater.
- c.** Sales Rep B; The least value is 4.

- 18.** When a distribution is skewed left, most of the data are not on the left side of the plot; Most of the data are on the right side of the plot.

- 19.** range: 36, interquartile range: 12; The range is greater.

- 20. a.** yes; 11 is the greatest value
- b.** no; *Sample answer:* The data could be 2, 4, 5, 5, 8, 12.
- c.** yes; The right whisker is longer and most of the data are on the left side of the plot.
- d.** no; The mean is not always the same as the median.

- 21.**
- a.** Both distributions are skewed right.
 - b.** Brand A: 3.5, Brand B: 2.5
 - c.** The interquartile range of Brand A is greater.
 - d.** Brand A; The range is greater.
 - e.** Brand A; 75% of the battery lives are greater than 3.5 hours.