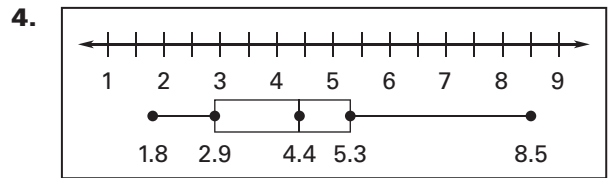
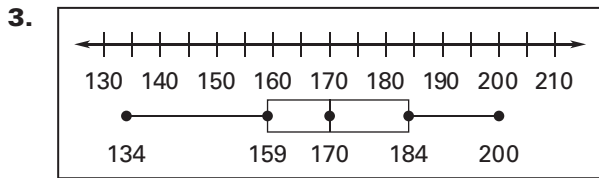
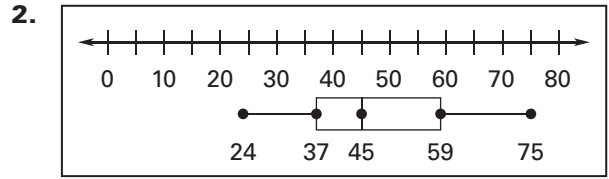
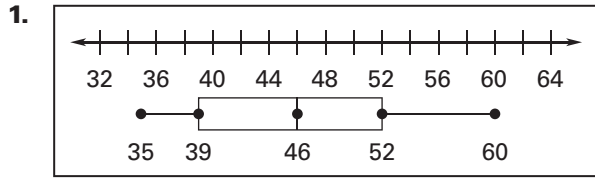


LESSON
10.5

Practice B

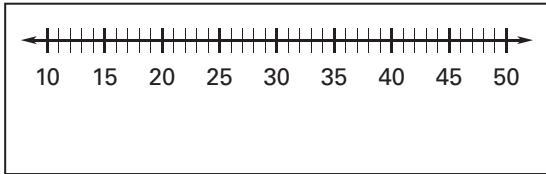
For use with the lesson "Interpret Box-and-Whisker Plots"

Identify the median, quartiles, and interquartile range of the data from the box-and-whisker plot.

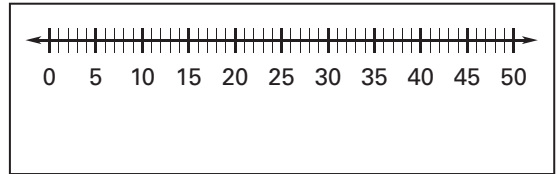


Make a box-and-whisker plot of the data.

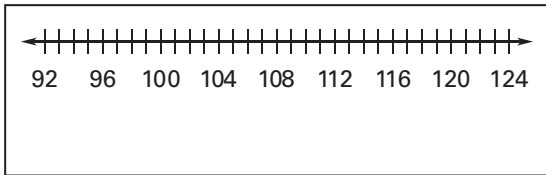
5. 11, 33, 39, 27, 25, 31, 28, 33, 31, 49



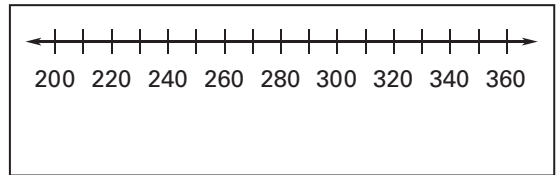
6. 10, 16, 18, 10, 13, 7, 10, 13, 2, 48



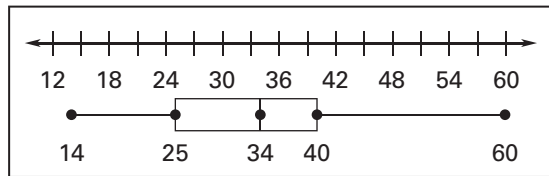
7. 108, 124, 92, 110, 117, 102, 100, 98, 120



8. 350, 225, 300, 314, 210, 321, 275, 290, 310



In Exercises 9 and 10, use the box-and-whisker plot.



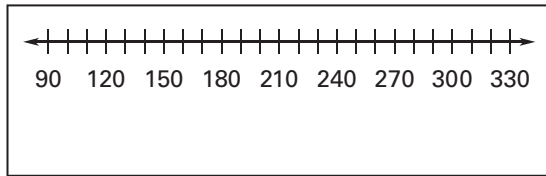
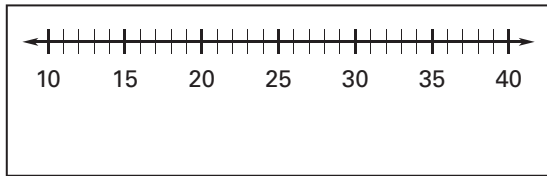
9. About what percent of the data are greater than 25?
10. About what percent of the data are less than 34?

LESSON
10.5

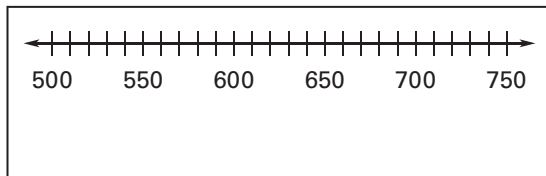
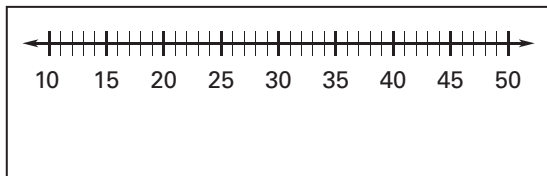
Practice B *continued*
For use with the lesson "Interpret Box-and-Whisker Plots"

Make a box-and-whisker plot of the data. Identify any outliers.

- 11.** 17, 38, 22, 15, 13, 24, 18, 10, 20, 13, 17, 12 **12.** 134, 115, 105, 100, 115, 134, 200, 310, 124

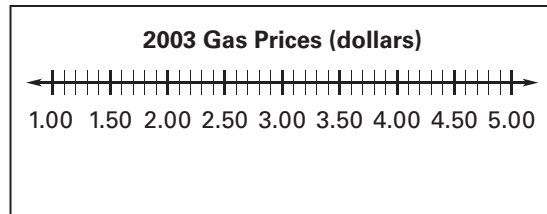


- 13.** 45, 30, 30, 17, 15, 27, 23, 25, 26, 30, 33, 30 **14.** 730, 640, 500, 719, 620, 645, 740, 703, 690



- 15. Gas Prices** The prices of a gallon of gasoline (in dollars) for selected countries in 2003 are listed below.

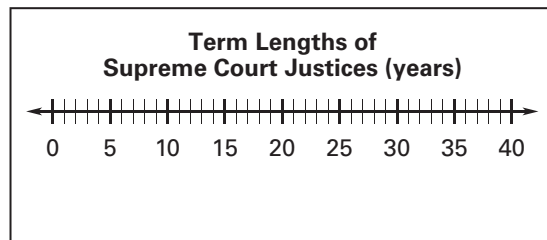
Australia: \$2.20	Canada: \$2.02
Germany: \$4.58	Japan: \$3.47
Mexico: \$2.09	Taiwan: \$2.16
United States: \$1.59	



- Make a box-and-whisker plot of the gasoline prices.
- Which countries, if any, had gasoline prices that can be considered outliers?

- 16. Supreme Court Justices** The stem-and-leaf plot shows the lengths of the terms (in years) of Supreme Court justices appointed from 1902 until 1986.

Stems	Leaves
0	1 3 3 4 4 5 5 5 5 5 6 6 7 7 7 8 9
1	0 0 1 2 3 5 5 5 6 6 6 6 6 7 8 9 9
2	2 3 3 4 4 6 6 9
3	1 3 4 6



Key: 1 | 5 = 15

- Make a box-and-whisker plot of the lengths of the terms.
- William Douglas has served the longest so far with a term of 36 years. Can his term be considered an outlier? *Explain* why or why not.