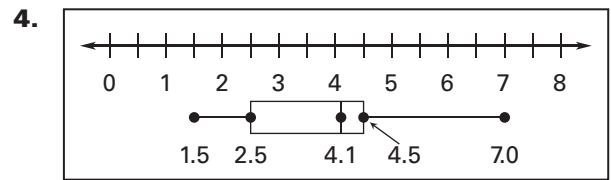
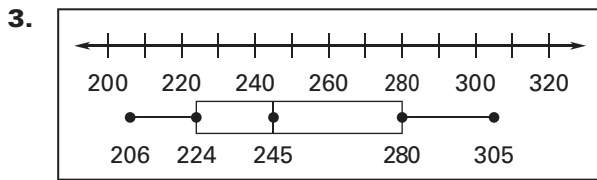
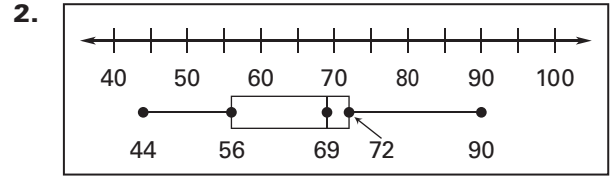
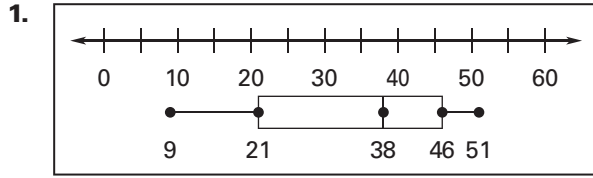


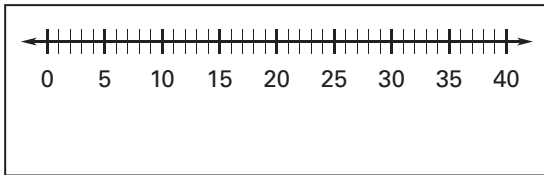
LESSON 10.5 **Practice C**
 For use with the lesson "Interpret Box-and-Whisker Plots"

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

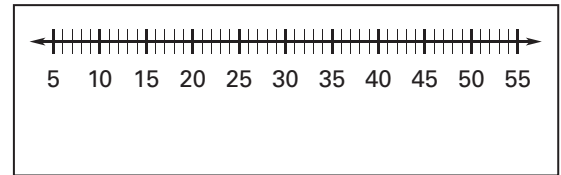


Make a box-and-whisker plot of the data.

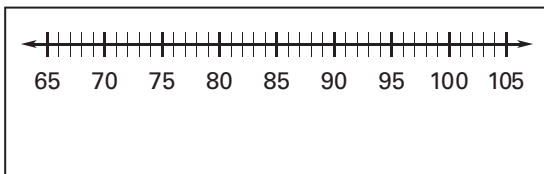
5. 14, 24, 30, 20, 14, 10, 15, 20, 5, 35



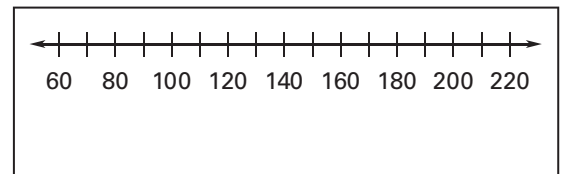
6. 19, 46, 29, 8, 39, 33, 54, 45, 50, 23



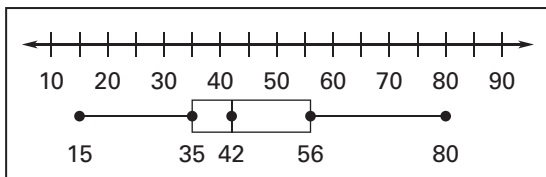
7. 101, 87, 79, 75, 85, 69, 94, 77, 97



8. 203, 153, 63, 128, 163, 78, 167, 174, 143



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



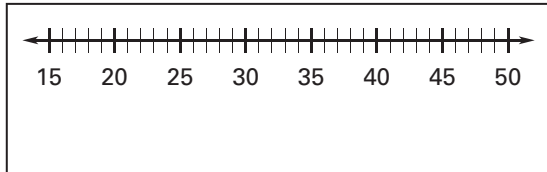
9. About what percent of the data are greater than 42?
 10. About what percent of the data are less than 56?

LESSON
10.5

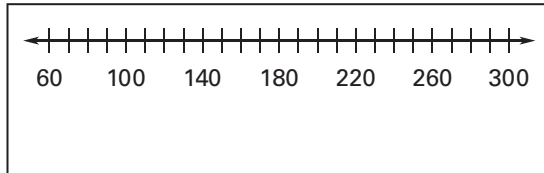
Practice C *continued*
For use with the lesson "Interpret Box-and-Whisker Plots"

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

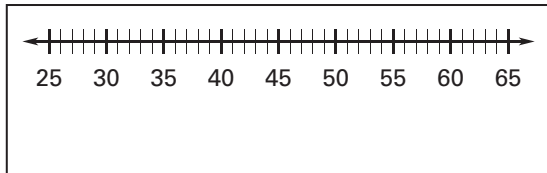
- 11.** 26, 31, 22, 27, 47, 24, 33, 19, 22,
29, 21, 26



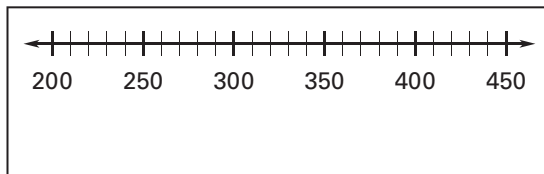
- 12.** 96, 67, 77, 162, 86, 77, 62, 96, 272



- 13.** 62, 47, 32, 40, 43, 50, 47, 34, 44, 42,
47, 47



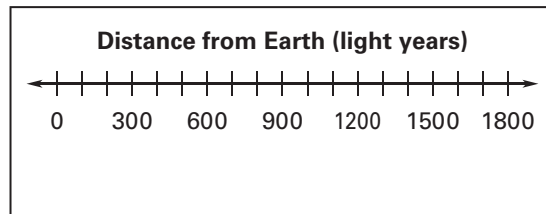
- 14.** 390, 403, 440, 345, 320, 419, 200, 340, 430



- 15. Brightest Stars** The distances (in light-years) from Earth to the 20 brightest stars in the night sky are given below.

8.6, 74, 4.3, 34, 25.3, 41, 815, 11.4, 69, 650,
320, 16.8, 60, 425, 220, 40, 22, 1630, 460, 69

- a.** Make a box-and-whisker plot of the distances.
b. Which distances, if any, can be considered outliers? *Explain.*



- 16. Earthquakes** The stem-and-leaf plot shows the magnitudes of major earthquakes from 1990 until 2003.

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

Key: 5 | 5 = 5.5

- a.** Make a box-and-whisker plot of the magnitudes.
b. Which magnitudes, if any, can be considered outliers? *Explain.*

