

LESSON
10.5

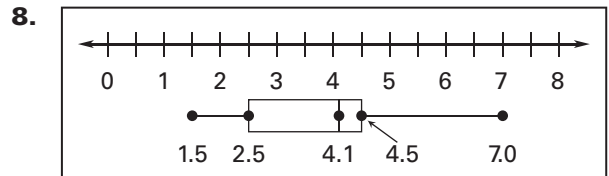
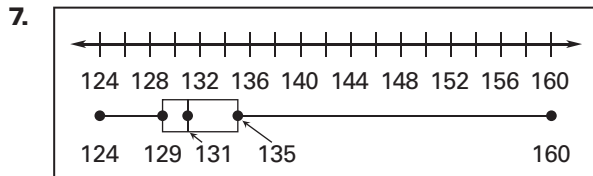
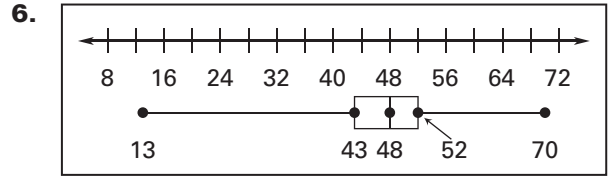
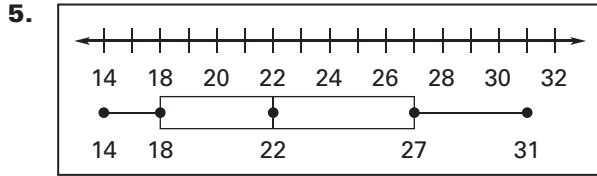
Practice A

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

Identify the median of the data.

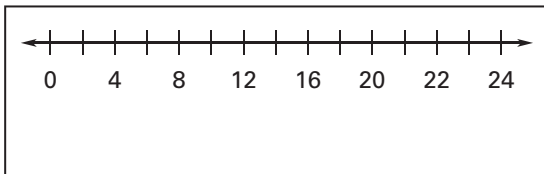
1. 10, 14, 11, 15, 17
2. 4, 1, 6, 7, 2, 4, 1, 2
3. 45, 34, 45, 48, 52, 38, 30
4. 120, 110, 114, 128, 108, 106, 140

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

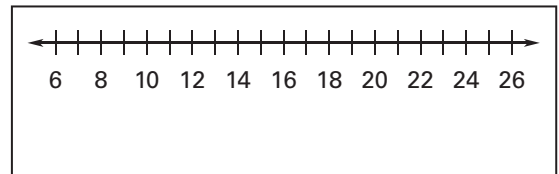


Make a box-and-whisker plot of the data.

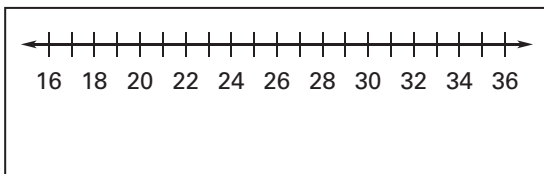
9. 2, 12, 17, 20, 18, 16, 17, 18, 10, 22



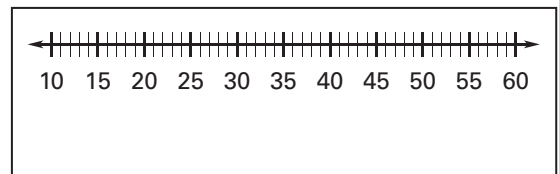
10. 11, 7, 8, 13, 6, 7, 10, 11, 13, 25



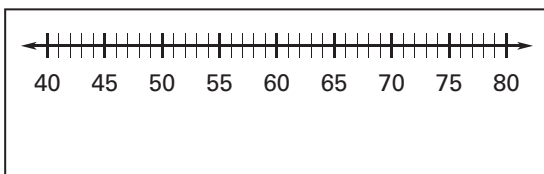
11. 16, 27, 30, 23, 24, 25, 26, 27, 26, 35



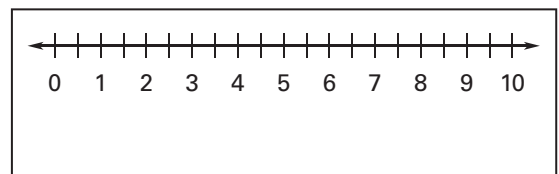
12. 22, 49, 11, 21, 36, 43, 57, 53, 48, 26



13. 58, 79, 48, 70, 42, 66, 64, 50, 53, 44, 75, 60



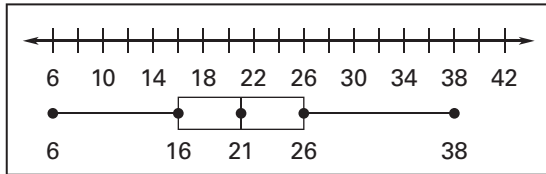
14. 2.5, 4, 3.5, 3, 2.5, 2, 2.5, 3, 0.5, 9



LESSON
10.5

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

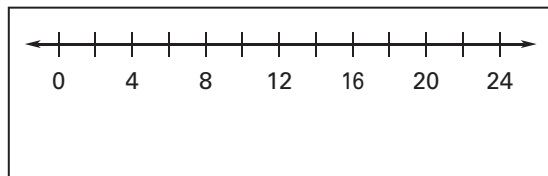
In Exercises 15–18, use the box-and-whisker plot.



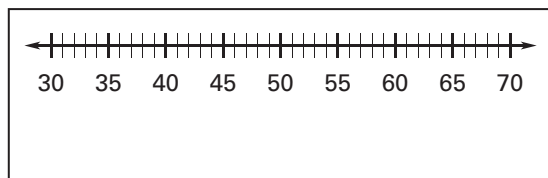
15. About what percent of the data are greater than 26?
16. About what percent of the data are less than 21?
17. About what percent of the data are greater than 16?
18. Are there any outliers in the data? If so, explain how you know.

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

19. 13, 15, 11, 10, 20, 18, 8, 14, 17, 4, 15, 10



20. 45, 54, 67, 57, 32, 58, 48, 50, 63, 65, 55



21. **Wheat** The numbers of metric tons (in millions) of wheat exported by the top 10 wheat exporters in 2002 are given below.

United States: 24	Australia: 15	France: 14
Canada: 12	Russian Federation: 10	
Argentina: 9	Ukraine: 8	Germany: 6
Kazakhstan: 5	India: 4	

- a. Make a box-and-whisker plot of the data.
- b. Which countries, if any, exported amounts of wheat that can be considered outliers?

