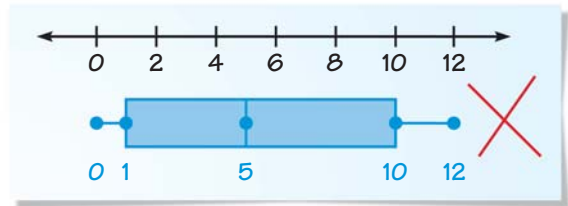
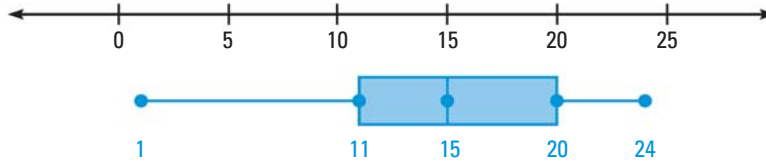


7. **ERROR ANALYSIS** Describe and correct the error in creating a box-and-whisker plot of the data 0, 2, 4, 0, 6, 10, 8, 12, 5.



BOX-AND-WHISKER PLOT In Exercises 8–10, use the box-and-whisker plot.



EXAMPLE 2

on p. 888
for Exs. 8–10

8. **TAKS REASONING** About what percent of the data are greater than 20?
 (A) 25% (B) 50% (C) 75% (D) 100%
9. **TAKS REASONING** About what percent of the data are less than 15?
 (A) 25% (B) 50% (C) 75% (D) 100%
10. **ERROR ANALYSIS** Describe and correct the error in interpreting the box-and-whisker plot.

About 25% of the data values lie between 11 and 20.

EXAMPLES 1 and 3

on pp. 887, 889
for Exs. 11–13

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

11. Hours worked per week: 15, 15, 10, 12, 22, 10, 8, 14, 18, 22, 18, 15, 12, 11, 10
12. Prices of MP3 players: \$124, \$95, \$105, \$110, \$95, \$124, \$300, \$190, \$114
13. Annual salaries: \$30,000, \$35,000, \$48,000, \$68,500, \$32,000, \$38,000
14. **CHALLENGE** Two data sets have the same mean, the same interquartile range, and the same range. Is it possible for the box-and-whisker plots of such data sets to be different? *Justify* your answer by creating data sets that fit the situation.

PROBLEM SOLVING

EXAMPLE 1

on p. 887
for Exs. 15–16

15. **SEAWAY** The average sailing times to the Atlantic Ocean from several ports on the St. Lawrence Seaway are shown on the map. Make a box-and-whisker plot of the sailing times.



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