

LESSON 6.7

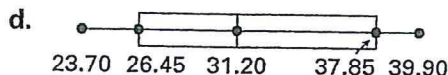
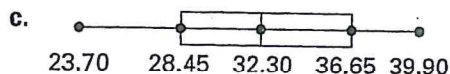
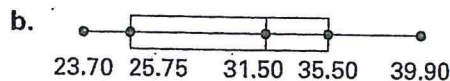
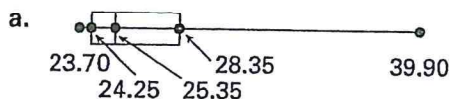
NAME _____

DATE _____

Practice C

For use with pages 375–381

Match the data with the box-and-whisker plot.



1. 33.7, 26.4, 36.8, 39.9, 29.3, 25.1, 34.2, 23.7

2. 27.1, 31.7, 23.7, 39.9, 35.2, 32.9, 29.8, 38.1

3. 23.7, 28.4, 25, 34, 38.4, 27.9, 37.3, 39.9

4. 24, 25.9, 23.7, 39.9, 29.1, 24.5, 24.8, 27.6

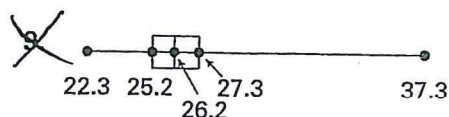
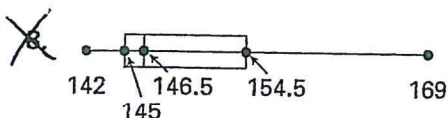
Draw a box-and-whisker plot of the data.

5. 79, 85, 36, 46, 55, 98, 44, 105, 67, 75

6. 6.5, 4.8, 2.0, 7.7, 9.8, 4.6, 12.7, 3.9, 4.5, 4.8, 3.7

7. Average annual snowfall in the ten snowiest cities (in inches): 100.8, 97.1, 116.1, 102.2, 240.8, 129.2, 110.0, 97.8, 114.0, 104.9

Create a collection of 12 numbers that could be represented by the box-and-whisker plot.



Academy Awards In Exercises 10–14, use the following information.

The data shows the age of the actors and actresses who won the Academy Award for best actor and actress for the years 1987–1998.

10. Make a stem-and-leaf plot of the age of the actors.
11. Make a stem-and-leaf plot of the age of the actresses.
12. Make a box-and-whisker plot of the age of the actors.
13. Make a box-and-whisker plot of the age of the actresses.
14. Compare the two sets of data.

Year	Actor's Age	Actress's Age
1987	33	41
1988	51	25
1989	31	80
1990	42	42
1991	54	29
1992	51	33
1993	36	35
1994	37	45
1995	31	49
1996	45	39
1997	60	34
1998	45	25

Study Times Use the box-and-whisker plot that shows the amount of time (in hours) that students spent studying last week.

15. Which is greater, the mean or the median? Explain.
16. *True/False* More students studied less than 6 hours than studied more than 6 hours.

