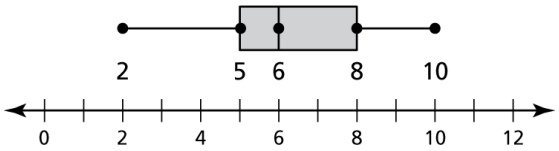
Name _____ Date _____

7.2 Practice Worksheet

In Exercises 1–6, use the box-and-whisker plot to find the given measure.



1. least value

2. median

3. Interquartile Range

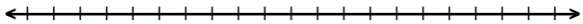
4. third quartile

5. range

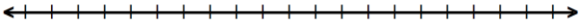
6. first quartile

Make a box-and-whisker plot that represents the data, and tell the type of distribution.

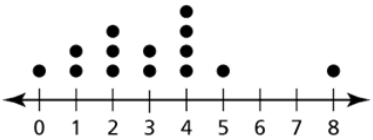
7. Hours of exercise per week: 0, 7, 2, 5, 12, 2, 0, 9

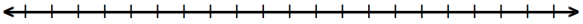


8. Numbers of cars in a parking lot: 12, 35, 20, 17, 24, 30, 28, 16

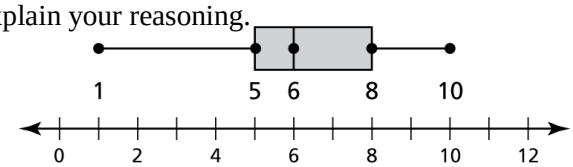


9. The dot plot represents the numbers of customers at the tables in a restaurant. Make a box-and-whisker plot that represents the data, and tell the type of distribution.





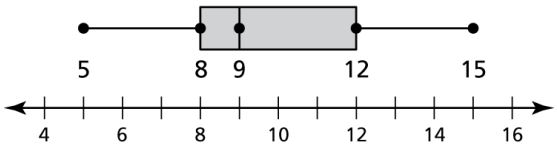
10. The box-and-whisker plot represents a data set. Determine whether each statement is true. Explain your reasoning.



a. The data set contains the value 11.

b. The distribution is skewed left.

Use the box-and-whisker plot to find the given measure.



11. least value

12. range

13. first quartile

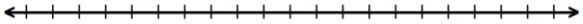
14. third quartile

15. Interquartile Range

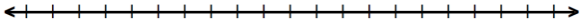
16. median

Make a box-and-whisker plot that represents the data, and tell the type of distribution.

17. Numbers of chairs in a classroom: 30, 27, 32, 25, 12, 22, 20, 29, 35, 35, 28

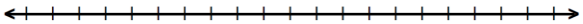


18. Temperatures (in degrees Fahrenheit): $-18,\ 0,\ 7,\ -8,\ -12,\ 15,\ 21,\ 0,\ 1,\ -3$

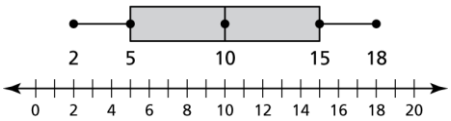


19. The stem-and-leaf plot represents the heights (in inches) of pineapple plants in a garden. Make a box-and-whisker plot that represents the data, and the type of distribution it has.

Stem	Leaf
0	4 7 7 8 9
1	0 0 0 2 5 6 9
2	0 1



20. The box-and-whisker plot represents a data set. Determine whether each statement is true.



a. The median of the data is 15.

b. The distribution is symmetric.

21. Write a set of data, that includes 10 numbers with a mean of 13.5 and a mode of 10.

22. Write a set of data, that includes 10 numbers with a median of 67 and a mean of 60.