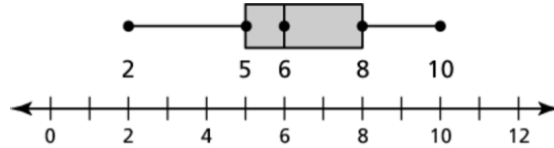


# 11.2 Practice A

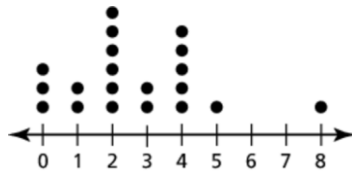
In Exercises 1–6, use the box-and-whisker plot to find the given measure.



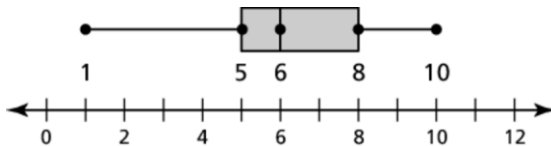
1. least value
2. median
3. greatest value
4. third quartile
5. range
6. first quartile

In Exercises 7 and 8, make a box-and-whisker plot that represents the data.

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.



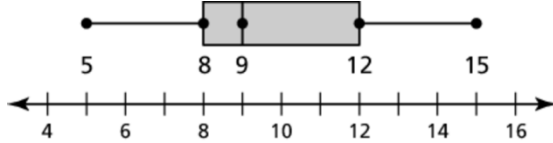
10. The box-and-whisker plot represents a data set. Determine whether each statement is true. Explain your reasoning.



- a. The data set contains the value 11.
- b. The distribution is skewed left.

# 11.2 Practice B

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



- 1. least value
- 2. range
- 3. first quartile
- 4. third quartile
- 5. greatest value
- 6. median

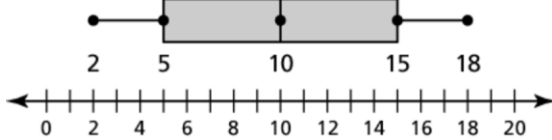
In Exercises 7 and 8, make a box-and-whisker plot that represents the data.

- 7. Numbers of chairs in a classroom: 30, 27, 32, 25, 12, 22, 20, 29, 35, 35, 28
- 8. Temperatures (in degrees Fahrenheit):  $-18, 0, 7, -8, -12, 15, 21, 0, 1, -3$
- 9. 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.

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

**Key: 1 | 0 = 10 inches**

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



- a. The median of the data is 15.
- b. The distribution is symmetric.