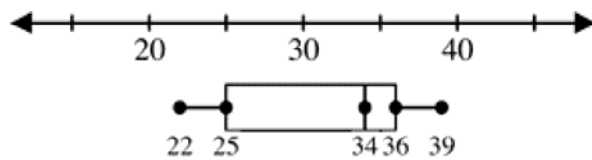# Box and Whisker Worksheet

Make a box-and-whisker plot of the data.
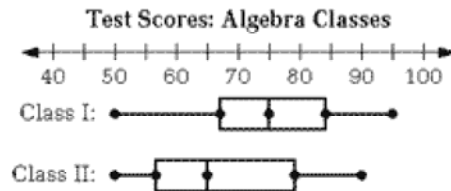
1. 29, 34, 35, 36, 28, 32, 31, 24, 24, 27, 34

**This box-and-whisker plot shows the ages of clerks in a supermarket.**

2. Find the median age of the clerks.

3. Find the upper extreme of the data.

4. Find the range of the data.

5. Find the lower quartile of the data.

Use the box-and-whisker plot to answer the following question(s).

6. What is the median of the test scores of Class I?

7. What is the median of the test scores of Class II?

8. What is the difference of the median of the test scores of the two classes?

9. Ms. Alison drew a box-and-whisker plot to represent her students' scores on a mid-term test.
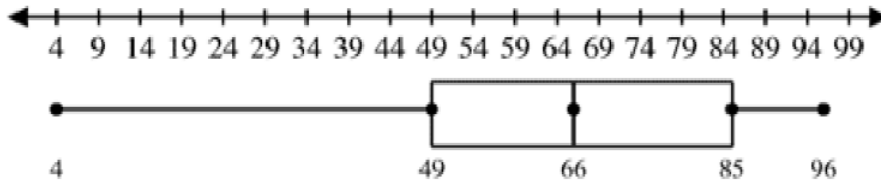
Steve earned an 85 on the test. Describe how his score compares with those of his classmates.
a. about 75% scored higher; about 25% scored lower
c. about 25% scored higher; about 75% scored lower
b. about 75% scored higher; about 50% scored lower
d. about 50% scored higher; about 50% scored lower

Use the following data to answer the following questions.

16, 22, 14, 12, 20, 19, 14, 11

10. Find the range.

11. Find the median.

12. What is the median of the data shown in the stem-and-leaf plot?

Evaluate the expression for the given values of the variables.

13. $2v + 3u, \ v = 11, u = 8$

Evaluate the expression.

14. $24 \div 6 \times 2$

15. $-14 - 15$

16. $-6 - (-8)$

17. $\dfrac{-48}{8}$