Name _____ Date _____

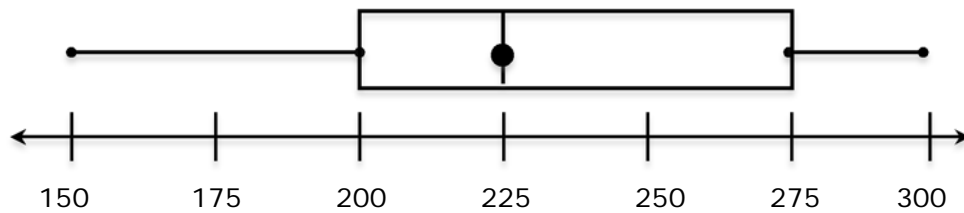**For question 1, use the data to construct a histogram.**

1 The ages of best actress award winners for 15 recent years are shown in the list below.

33, 35, 35, 28, 30, 29, 61, 32, 33, 45, 29, 62, 22, 44, 54
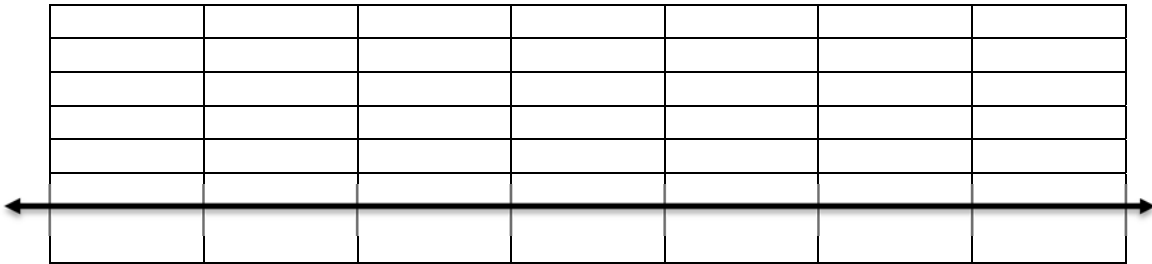
Use the following graph to answer questions 2 – 5.

The box plot below shows the recent home sale costs in a local neighborhood.

Home Sale Cost ($ Thousands)

2 What is the minimum home sale cost according to this graph?

3 What is the median home sale cost according to this graph?

Name _____ Date _____

4 According to this graph, what is the lower quartile of the data?

5 According to this graph, what is the upper quartile of the data?

Use the stem-and-leaf plot to answer questions 6 – 8.

The stem-and-leaf plot shows the scores for the competitors in a skateboard competition rounded to the nearest 10th. The skater with the highest point total out of a 100 wins the competition. Key: 84|1 = 84.1

```
84 | 1 3
85 | 6
86 | 0 7
87 | 5
88 | 2 9
89 | 1 2 4 5 7
90 | 0 2 3 5
91 | 0 1 4
```
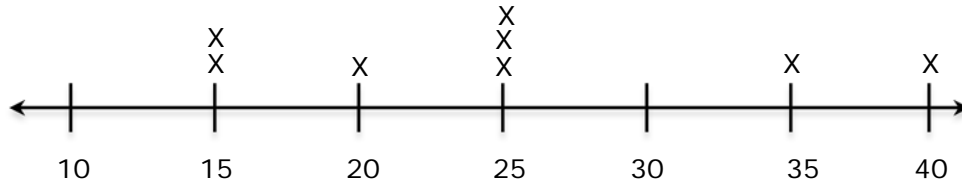
6 How many competitors were there in the skateboard competition?

7 How many competitors had greater than 89 points?

8 What was the highest score earned in the skateboard competition?

Name _____ Date _____

For questions 9 – 13, use the dot plot to answer the questions.

```
                                       X
                  X                    X
                  X           X        X                      X           X
    ←——┼————————┼————————┼————————┼————————┼————————┼————————┼——→
       10        15        20        25        30        35        40
```

9 What is the set of data graphed on the line plot?

**10** What is the most common value in the set of data?

11 What is the minimum value in the set of data?

12 What is the maximum value in the set of data?

13 How can you determine whether or not the value 30 is in the data set?

Name _____ Date _____

For questions 14 – 18, determine if the conclusion can be supported by the data in the graph. If the answer is no, re-write the conclusion so that it is valid.

Birthday Party Rentals
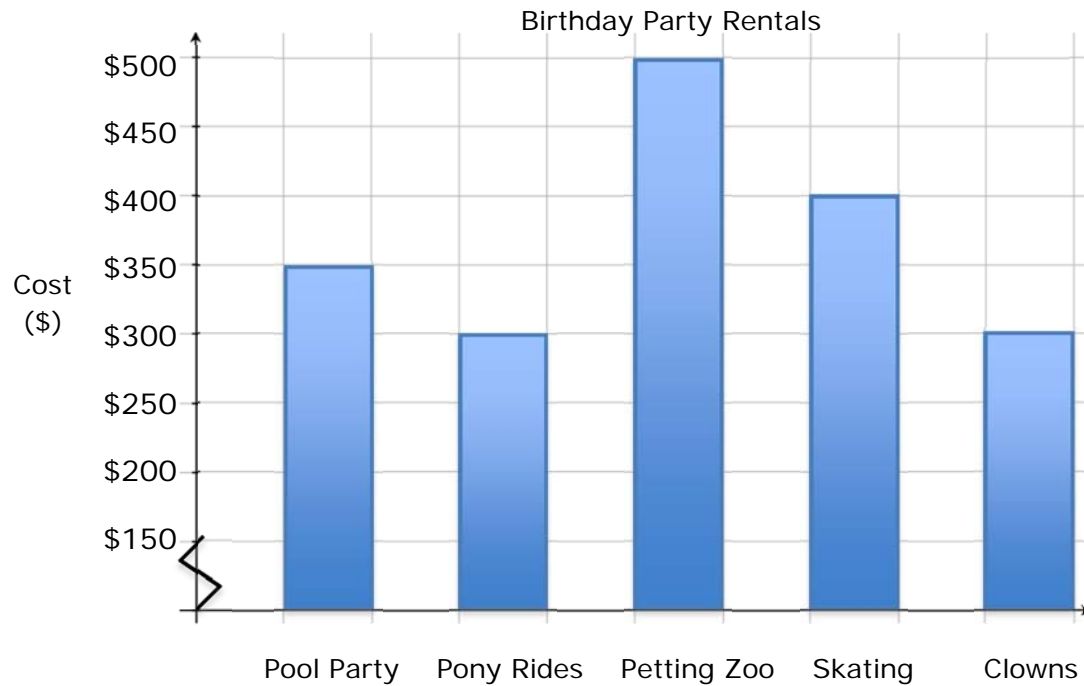
14 The cost to have clowns at a birthday party is the same as to have pony rides, $300.

15 The cost to have a petting zoo at a birthday party is twice the cost to have pony rides.

16 The cost of both skating and pony rides at a birthday party is more than the cost of both clowns and a pool party.

17 The cost of skating at a birthday party is 75% of the cost of a petting zoo.

18 The cost of having clowns at a birthday party is $100 less than skating.