1 Select True or False for each statement.

A. When the values in a set of data are written in order, the middle value is the mean. ○ True ○ False

B. The median of a set of data may or may not be a value in the set. ○ True ○ False

C. To find the mean of a set of data, divide the sum of the values by the number of values. ○ True ○ False

D. All sets of data have a mode. ○ True ○ False

E. To find the range of a data set, always subtract the first item listed from the last item. ○ True ○ False

F. In a set of data, there are as many items less than the median as there are greater than the median. ○ True ○ False

2 Dominic asked six friends how many minutes they spent playing a video game yesterday. He made these statements about the data he collected.

- The range of the data is 60 minutes.
- The mode(s) of the data is less than the range.

The values in the sets represent minutes. Could each set be the data that Dominic collected? Select Yes or No.

A. {60, 90, 45, 75, 30, 45} ○ Yes ○ No

B. {30, 60, 45, 45, 120, 30} ○ Yes ○ No

C. {90, 105, 90, 45, 90, 45} ○ Yes ○ No

D. {15, 30, 75, 30, 45, 60} ○ Yes ○ No

E. {45, 30, 75, 45, 15, 30} ○ Yes ○ No

F. {60, 20, 20, 45, 20, 60} ○ Yes ○ No

3 Maggie and three friends weighed their backpacks. The weights are 15 pounds, 14 pounds, 13 pounds, and 18 pounds. Use numbers from the box to complete the sentences.

2
3
4
5
13
13.5
14
14.5
15
20

The range of the weights is 18 − ____ = ____ pounds.

The median of the weights is $\{\square + \square\} \div \square =$ ____ pounds.

The mean of the weights is $\{15 + 14 + 13 + 18\} \div \square =$ ____ pounds.

4 Brookside Middle School has a summer sports camp. The table below shows the number of students who have signed up to play each sport at the camp. Find each measure that describes the data in the table. Show or explain your work.

Sport	Number of Students
Soccer	22
Softball	20
Basketball	28
Football	22
Tennis	14
Volleyball	14

Range: _____

Mean: _____

Mode(s): _____

Median: _____