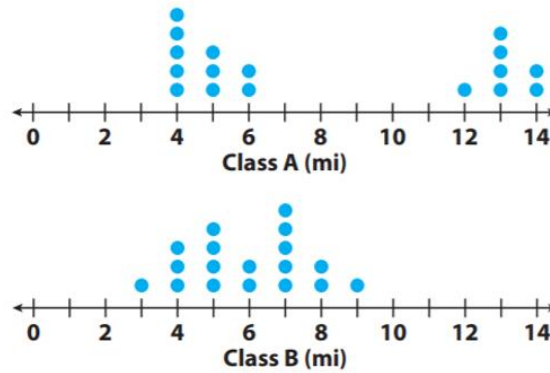


Name: _____
Period: _____

- Each dot represents a number in the data set.
- Center is the ***middle*** number. It is also known as the ***median***. List the numbers in order from ***least*** to ***greatest***.
- Spread is the ***range***. It is found by ***largest number*** – ***smallest number***.

Examples

1. The dot plots show the number of miles run per week for two different classes. Use the dot plots below to answer a – d.



a) Compare the centers of the dot plots.

Class A:

Class B:

b) Compare the spreads of the dot plots.

Class A:

Class B:

c) Calculate the medians of the dot plots.

Class A:

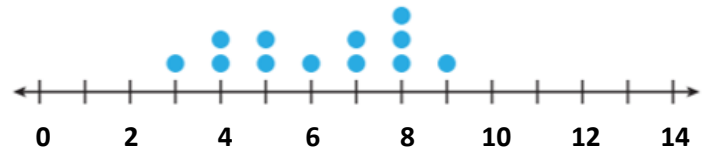
Class B:

d) Calculate the ranges of the dot plots.

Class A:

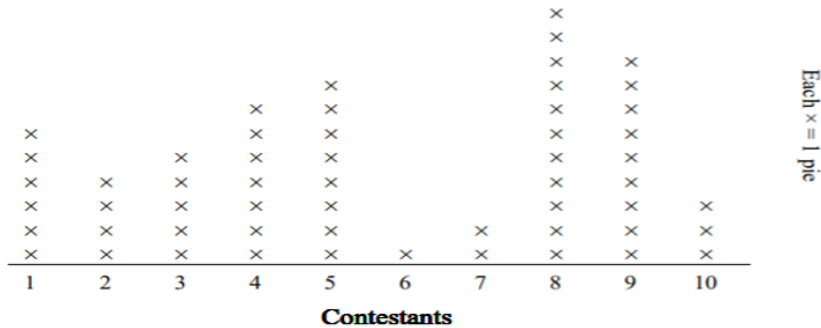
Class B:

2. The dot plot shows the numbers of letters in the spellings of the 12 months. Use the dot plot to answer a – c.



- Describe the center of the dot plot: _____
- Describe the spread of the dot plot: _____
- Calculate the mean of the dot plot: _____

3. The dot plots shows the number of pies contestant #1 – 10 ate. Use the dot plot to answer a – k.



- How many pies did contestant 5 eat? _____
- Did contestant 2 or contestant 3 eat more pies? _____
- Did contestant 6 or contestant 4 eat fewer pies? _____
- How many contestants ate more than 3 pies? _____
- How many contestants ate fewer than 8 pies? _____
- What is the combined amount of pies that contestant 9 and contestant 8 ate? _____
- What contestant ate the most pies? _____
- Which contestant ate the fewest pies? _____
- Which contestants (if any) ate more than 8 pies? _____
- What is the difference in the number of pies contestant 3 ate and the number contestant 2 ate?

- Which contestant ate exactly 11 pies? _____