

LESSON 31: Measures of Center and Variation with Dot Plots

Here is the key to **S393**.

Homework

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Name _____ **Date** _____

Directions: Use the following data from the frequency table to complete the homework.

Number of Books Read in Three Months

Student	Number of Books Read
1	8
2	10
3	12
4	5
5	8
6	4
7	3
8	6
9	9
10	8
11	8
12	4
13	10
14	8
15	5

1. List the values from the frequency table from least to greatest.

Frequency Values from Lowest to Highest
3, 4, 4, 5, 5, 6, 8, 8, 8, 8, 8, 9, 10, 10, 12

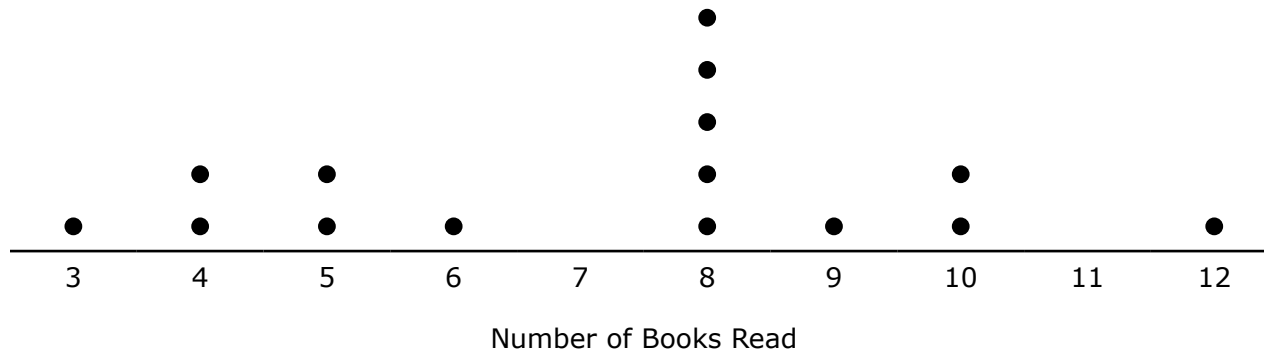
2. What is the mean of the data set? **7.2**

3. What is the median of the data set? **8**

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Create a dot plot from the data set from S393



4. Identify the peak of the data shown in the Dot Plot. **8**
5. Identify any gap(s) of the data shown in the Dot Plot. **7, 11**
6. Identify any cluster(s) of data shown in the Dot Plot. **3 – 6 and 8 – 10**

Directions: Determine the mean and median for each data set in Questions 7 – 10.

7. 4, 5, 1, 15, 12

Mean: **7.4**Median: **5**

8. 44, 10, 33, 66, 77, 88

Mean: **53**Median: **55**

9. 21, 52, 45, 15, 12

Mean: **29**Median: **21**

10. 4, 2, 5, 5, 9, 23

Mean: **8**Median: **5**