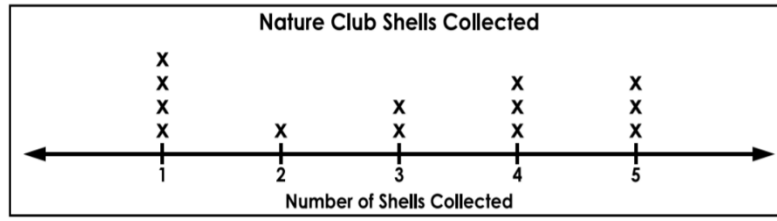


Name: _____

Date: _____ Pd. 1 2 3 4

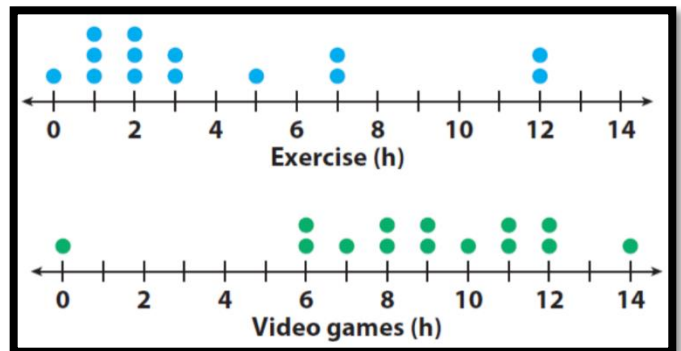
Dot Plots: Calculating Mean, Median, Mode, and Range

Use the data in the dot plots to answer the questions.



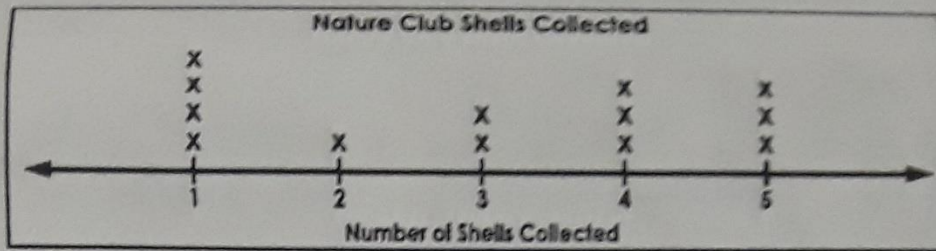
- 1) What is the **mean** number of shells collected? _____
- 2) What is the **median** number of shells collected? _____
- 3) What is the **mode**? _____
- 4) What is the **range**? _____

Fourteen students were surveyed about the time they spend exercising and playing video games each week. Compare the data by answering the questions below.



- 5) What is the **range** for the hours of exercise? _____
Playing video games? _____
- 6) What is the **mode** hours of exercise? _____ playing video games? _____
- 7) What is the **median** hours spent exercising? _____ playing video games? _____
- 8) a. What is the **mean** number of hours spent exercising? _____
b. What is the **mean** number of hours spent playing video games? _____

Use the data in the dot plot to answer questions 1-4.



1) What is the mean number of shells collected? 3

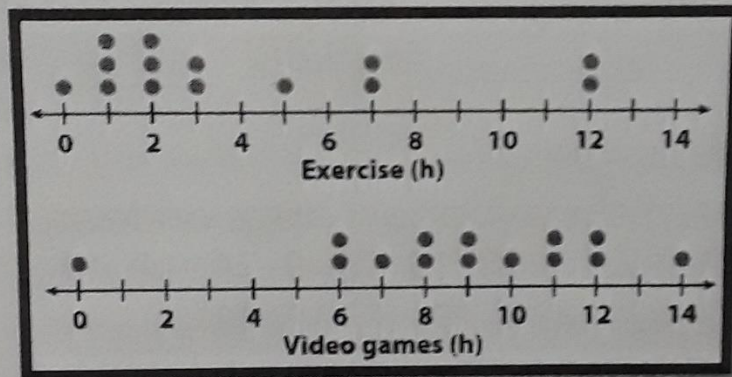
$$\frac{1+1+1+1+2+3+3+4+4+4+5+5+5}{13} = \frac{39}{13} = 3$$

2) What is the median number of shells collected? 3

1, 1, 1, 1, 2, 3, 3, 4, 4, 4, 5, 5, 5

3) What is the mode? 1

4) What is the range? 5-1=4



Fourteen students were surveyed about the time they spend exercising and playing video games each week. Compare the data by answering the questions 5-8.

5) What is the **range** for the hours of exercise? 12-0=12

For playing video games? 14-0=14

6) What is the **mode** for exercise? 1 and 2

Playing video games? 6, 8, 9, 11, and 12

7) What is the **median** hours spent exercising? 2 1/2

Playing video games? 9

8) What is the **mean** number of hours spent exercising? 4 1/7

Playing video games? 8 11/14