

4/18/18 CCM6

Make frequency tables and dot plots, then answer questions about them.

HW: dot plot/freq. tables practice page

✓ HW

Unit: Statistics
Homework 2

Name _____
Date _____ Pd _____

HOW IS DATA DISTRIBUTED?

Answer the questions below. Be sure to show your thinking.

1. How many residents were surveyed? **22**

2. What was the least number of pets owned? **0**

3. What was the greatest number of pets owned? **6**

4. What was the most common number of pets owned? **2**

5. How many people own four pets? **2**

6. A new resident moved into the neighborhood, and they own six pets. How does this resident compare to the rest of the neighborhood?
more than all but 1 neighbor

7. What could this dot plot represent?

ex) chores per week

dog treats per week

8. Describe what a dot plot could look like for the following question:
What is the height in inches of the students in our 6th grade math class?

most ~ 55 - 65 inches
 ↓ ↓
 4'7" 5'5"

big range

7

Unit: Statistics
Student Handout 3

Name _____
Date _____ Pd _____

HOW CAN DATA BE DISPLAYED?

We can display data in a frequency table which shows how many times a # of data occurs.

Quickly survey the room with the following question. Mark the results in the table below (add space if necessary).

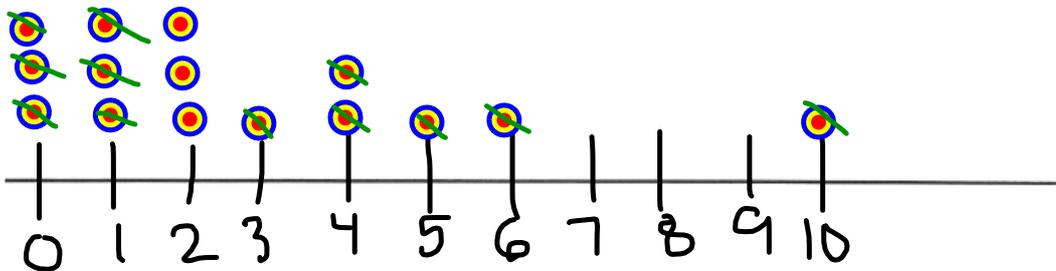
How many pets (TV, iPad, phones, etc) do the students in our class have in their homes?

NUMBER OF SCREENS	TALLY	FREQUENCY
0		3
1		3
2		3
3		1
4		2
5		1
6		1
7		0
8		0
9		0
10		1

1. What is the least number of pets?
0
2. What is the greatest number of pets?
10
3. What number of pets describes the center?
2
4. How does your specific response compare to the survey?

Dot plots display data on a # line where each data point is represented by a dot.

Use the data you collected above to create a dot plot. Be sure to include each number, even if it has a frequency of zero.

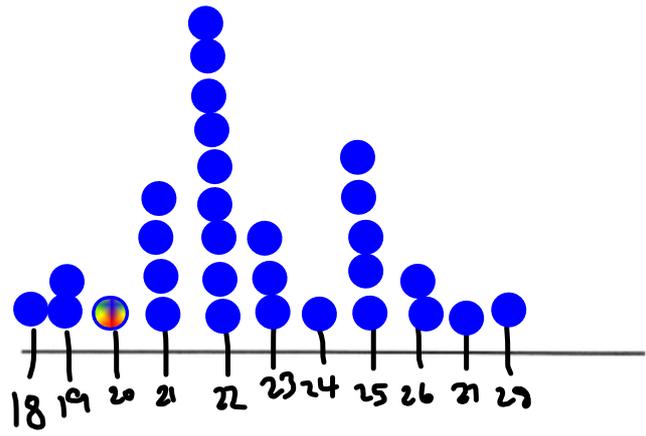


Practice creating a dot plot and frequency table by using the information given below.

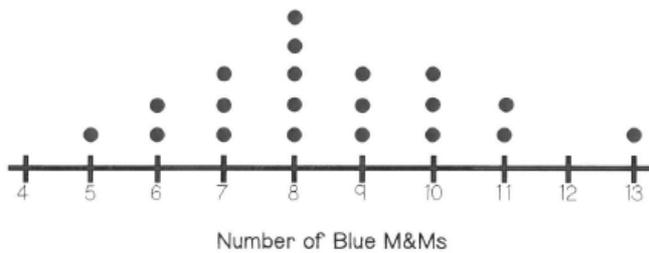
The data below is the average number of free throws attempted each season by the NBA teams.

~~23, 25, 25, 28, 27, 19, 20, 26, 21, 28, 22, 22, 22, 22, 21, 25, 23, 22, 25, 18, 21, 26, 23, 21, 23, 24, 29, 25, 19, 22~~

FREE THROW ATTEMPTS	TALLY	FREQUENCY
18		1
19		2
20		1
21		4
22		5
23		3
24		1
25		4
26		2
27		1
28		1



The dot plot below shows the number of blue M&Ms in a sample of 15 packages. Complete a frequency table to display the information.



BLUE M&MS	TALLY	FREQUENCY
4		0
5		1
6		2
7		3
8		5
9		3
10		3
11		2
12		0
13		1

Summarize today's lesson:

HW

Unit: Statistics
Homework 3

Name _____
Date _____ Pd _____

HOW CAN DATA BE DISPLAYED?

Answer the questions below. Be sure to show your thinking.

The number of hours of TV watched each week by 15 sixth grade students is shown below.

12, 7, 9, 3, 3, 8, 7, 9, 10, 9, 9, 6, 10, 5, 8

1. Create a frequency table.

# hrs	tally	freq.
3		
5		
6		
7		
8		
9		
10		

2. What is the least number of hours of TV watched?

3. What is the greatest number of hours of TV watched?

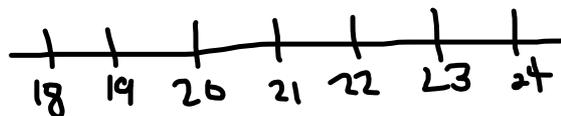
4. How many hours of TV watched describes the center of the data?

5. Another student agrees that they watch 9 hours of TV each week. Would this change the data? Why or why not?

The number of students in 10 kindergarten classes is shown below.

20, 18, 21, 18, 22, 24, 18, 20, 23, 20

6. Create a dot plot.



7. What is the least number of students?

8. What is the greatest number of students?

9. What number of students describes the center of the data?

10. Another classroom of 15 was included. Would this change the data? Why or why not?

Attachments

Statistics - Teacher Guide.pdf