

Name: _____ Date: _____

Task – Public Opinions

A public opinion survey explored the relationship between age and support for increasing the minimum wage. The results are found in the following two-way frequency table.

	For	Against	No Opinion	TOTAL
Ages 21-40	25	20	5	50
Ages 41-60	30	30	15	75
Over 60	50	20	5	75
TOTAL	105	70	25	200

Frequency Count

- In the 41 to 60 age group, what percentage supports increasing the minimum wage? Explain how you arrived at your percentage.
- Out of the people that have no opinion, what percentage is over 60 years old?
- What percentage of people is for increasing minimum wage?
- How many people over 60 are against increasing the minimum wage?
- For ages 21-60 how many were not against increasing the minimum wage?
- What percent of people over 60 are against or have no opinion?

The table represents a survey of what 50 people did with their leisure time.

	Dance	Sports	Movies	TOTAL
Women	16	6	8	30
Men	2	10	8	20
TOTAL	18	16	16	50

7.) In

each box in the table above write the appropriate percentages.

8.) What percentage of those surveyed are involved in leisure activities that require physical exercise?

9.) What percent of those surveyed dance? What percentage of men dance?

10.) What percent movie watchers are men?

11.) What percent of men and women play sports of those surveyed?

12.) What percent of women play sports or dance?

13.) Of those that dance or play sports, what percent are men?

14.) What percent of men watch movies?

15.) If you want to open an exercise gym would you advertise more to men or women or both equally?

Algebra 1 – Statistics Study Guide

Using the data below, find/draw the following:

1. Mean
2. Median
3. Mode
4. Dot-Plot
5. Histogram
6. Box and Whisker Plot
7. What is the interquartile range?
8. Are there any outliers?

2, 13, 15, 11, 9, 17, 14, 16, 13, 16, 12, 13