

Name: _____
Mathematics Period 3

Date: 5/8/15
Ms. Wilson

Practice with Measures of Central Tendency

For each of the four sets of data in #1-4, find the mean and the median. Are they the same?

1.) {12, 23, 15, 48, 36}

2.) {4, 8, 11, 6, 21, 7}

3.) {32.4, 48.1, 85.3, 67.2, 72.4, 55.3}

4.) {27.4, 3.1, 9.7, 32.3, 12.8, 39.4, 73.7}

5.) Given the table:

Planet	Number of Moons
Mercury	0
Venus	0
Earth	1
Mars	2
Jupiter	61
Saturn	33
Uranus	26
Neptune	13
Pluto	1

Find the mean, median, and mode of the # of moons per planet in our solar system.

Does this accurately tell us anything about the moons in the solar system?

6.) Willie Mays hit 660 home runs over the 22 years he played professional baseball. Mickey Mantle hit 536 home runs in 18 years. What was each of their average annual home run total? Who had a greater production rate?

7.) A painting crew in Brooklyn painted 12 houses in 5 days. A painting crew in Queens painted 15 houses in 7 days. Determine the average number of houses per day each crew painted. Which crew had the greater rate?

8.) Per Capita Income (PCI) is an average found by dividing a nation's gross national product (GNP) by its population. India has 882,575,000 people and a GNP of 311 billion dollars. Mexico has 87,715,000 people and a GNP of 218 billion dollars. Which nation has the greater income per person?

9.) In 1998, a total of 116,517 students took the Advanced Placement exam in Calculus AB. From the frequency table below, find the mean score in Calculus AB in 1998.

AP Exam Grade	Number of Students
5	18,522
4	27,102
3	31,286
2	20,732
1	18,875