

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**HW 5.4: Mean, Median, and Mode with Tables:**

1. A sprinter recorded his times as follows: 9.2, 8.8, 9.0, 9.2, 10.4, 8.8, 8.7, 9.1  
What is the mean, median, and mode?

Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_

2. Calculate the mean, median, and mode with the following set of numbers:  
23, 489, 95, 29, 47, 91, 14, 29

Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_

3. Find the mean, median, mode, and range (Measures of Central Tendencies) with the following table:  
A survey was conducted to research the average salaries in a Telemarketing company. The following table indicates the number of workers in each salary category:

Salary	Frequency
\$40,000	20
\$50,000	15
\$60,000	10
\$70,000	5
\$80,000	2
\$220,000	1

Mean: \_\_\_\_\_ Median: \_\_\_\_\_ Mode: \_\_\_\_\_

4. The payroll for small company of 10 workers is given below. Use the chart to answer the following questions

Position	Frequency	Annual Salary
Manager	1	\$85,000
Assist. Manager	1	\$50,000
Salesman	7	\$45,000
Janitor	1	\$35,000

a) What is the mean salary of everyone in the company? (1 mark)

b) What is the median salary of everyone in the company? (1 mark)

5. Create a table with the following information and then answer the following questions:

30 students in Mr. Young’s math class wrote a quiz that was worth 15marks. 5 students got perfect, 8 students got 11marks, 5 students got 10 marks, 2 students got 7 marks, 1 student got 8 marks, and the rest got 6 marks on the quiz.


- a) What percentage of the class passed the quiz?
- b) What is the class average?
- c) How would the class average change if all the students that got 6 marks on the quiz passed the quiz and got 7.5 marks?

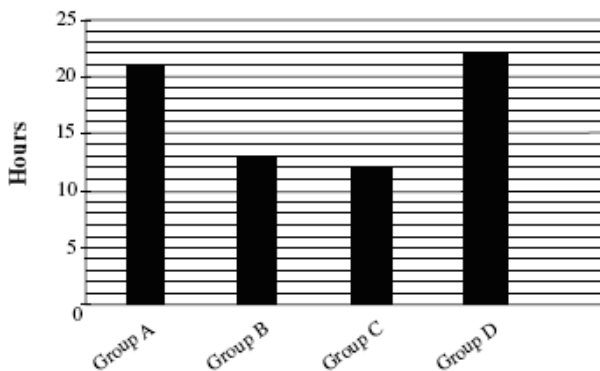
4 What score needs to be achieved on the next test for a mean of 74 if the previous scores are 72, 68, 81, 76 and 57?

- A. 19.2
- B. 74
- C. 89
- D. 90

5 The manager of a shoe store is asked what is the best selling shoe size. To answer the question which measure of central tendency should she use?

- A. mode
- B. mean
- C. range
- D. median

Average hours per week of television viewing in BC



Assuming there are the same number of people in each category, what is the mean number of hours spent watching TV per week?

- a) 17    b) 21    c) 22    d) 23