

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

# Measures of Central Tendency and Dispersion Assignment

Solve problems involving measures of central tendency.

1. Find the mean score of the test score of five students in math, their scores as follows: 45, 43, 39, 38, and 30.

The following data are the scores from a first grade classes English quiz: 10, 12, 14, 10, 15, 18, 20, and 20.

2. Find the mean.
3. Find the median
4. Find the mode.

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The table below shows the result of the Ms. Jens mathematics quiz.

Scores	Frequency
25	3
24	5
23	15
22	12
21	10
20	8

5. Find the mean score.

6. Find the median score.

7. Find the modal score.

Find the mean of the number of AIDS cases in the four hospitals listed below.

**AIDS Cases in Different Hospitals**

Hospital	A	B	C	D
1999	500	211	211	100
2000	400	350	250	100
2001	100	140	620	250
2002	80	140	401	300
2003	200	150	422	330

8. Mean number of AIDS Cases in Hospital A.

9. Mean number of AIDS Cases in Hospital B.

10. Mean number of AIDS Cases in Hospital C.

11. Mean number of AIDS Cases in Hospital D.

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## Measures of Central Tendency and Dispersion Assignment

The owner of a newly opened internet cafe recorded the number of customers who are coming into his internet cafe'. Below is the tabulation of the number of costumers for 7 days.

Days	Number of Customers
1st day	8
2nd day	5
3rd day	9
4th day	12
5th day	12
6th day	10
7th day	15

12. Find the mean.

13. Find the median.

14. Find the mode.

### Solve problems involving measures of dispersion.

The number of incorrect answers on a true or false mathematics proficiency test for a random sample of 20 students was recorded as follows:

3	3	5	6	1	2	1	4	4	5
1	3	3	2	5	4	4	5	1	2

15. Find the Range.

16. Find the sample variance.

17. Find the sample standard deviation.

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## Measures of Central Tendency and Dispersion Assignment

The following are scores of 13 students in stat quiz: 1, 2, 8, 7, 6, 11, 11, 11, 15, 17, 23, 25, 28.

18. Find the range.

19. Find the variance.

20. Find the Standard Deviation.