

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

Period: \_\_\_\_\_

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**ASSIGNMENT 8-1**  
**MEAN, MEDIAN, MODE AND RANGE**

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**UNIT 8**  
**INTERMEDIATE 1**

Find the mean, median, mode and range using the given data. Round to the nearest tenth if necessary.

Data for the number of dice stacked on top of each other.

Data: **8, 15, 9, 7, 4, 5, 9**

1. Mean: \_\_\_\_\_

2. Median: \_\_\_\_\_

3. Mode: \_\_\_\_\_

4. Range: \_\_\_\_\_

The height, in feet, of the women's VHMS basketball team.

Data: **4.9, 5.7, 6.0, 5.3, 4.8, 4.9, 5.3, 5.7, 4.9**

5. Mean: \_\_\_\_\_

6. Median: \_\_\_\_\_

7. Mode: \_\_\_\_\_

8. Range: \_\_\_\_\_

Number of shooting stars seen each year.

Data: **271, 221, 234, 240, 271, 234, 213, 253**

9. Mean: \_\_\_\_\_

10. Median: \_\_\_\_\_

11. Mode: \_\_\_\_\_

12. Range: \_\_\_\_\_

Total points for the Jazz basketball team at the end of the game.

Data: **98, 78, 76, 95, 84, 81, 91, 84, 77, 90, 78**

13. Mean: \_\_\_\_\_

14. Median: \_\_\_\_\_

15. Mode: \_\_\_\_\_

16. Range: \_\_\_\_\_

Use the data in the tables below. Round to the nearest tenth if necessary.

Lake	Depth (ft)
Superior	1333
Michigan	923
Huron	750
Erie	210
Ontario	802

Class		# students
Pre-Algebra	A1	35
Pre-Algebra	A2	34
Pre-Algebra	A3	30
Pre-Algebra	A4	33
Algebra	B5	30
Algebra	B6	28
Algebra	B7	22

17. What is the **mean** lake depth? \_\_\_\_\_

19. What is the **mean** class size? \_\_\_\_\_

18. What is the lake depth **range**? \_\_\_\_\_

20. What is the **median** class size? \_\_\_\_\_

The table below shows the number of times per day that students go to their lockers.

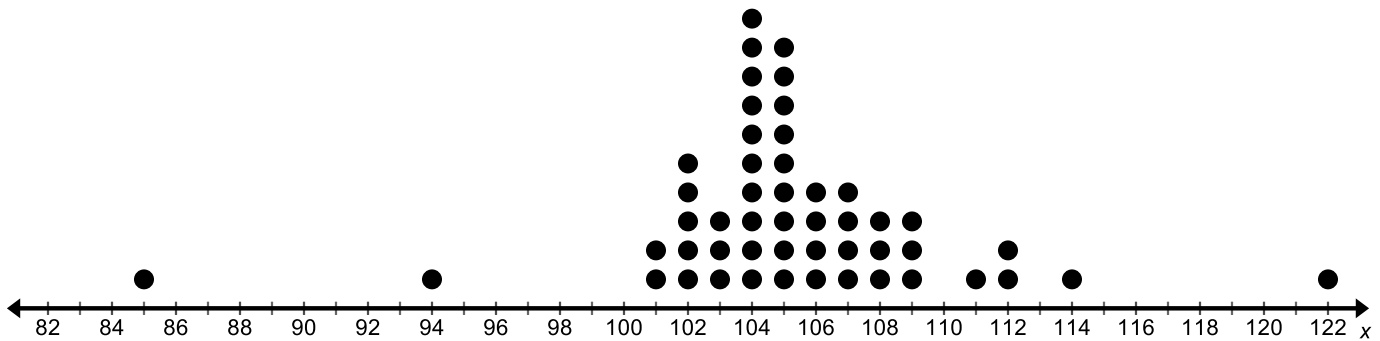
Student Locker Visits							
2	2	0	1	2	2	3	4
0	5	2	5	2	5	2	4
2	4	6	4	5	6	5	6
2	2	0	1	4	6	10	2

21. What is the **mean** number of visits? \_\_\_\_\_

23. What is the **mode** number of visits? \_\_\_\_\_

22. What is the **range** of visits? \_\_\_\_\_

For Problems 25-27, use the line plot below. It shows the record high temperatures recorded by weather stations in each of the fifty states.



25. What is the range of the data?

26. What temperature occurred most often?

27. Describe how the range of the data would change if 122 were not part of the data set.