13.6 Using Measures of Central Tendency - NOTES

1. The heights (in inches) of eight students are 68, 74, 55, 50, 72, 66, 72, and 64.  
   1. What is the range of the bean plant heights?
   2. Find the mean, median, and mode(s) of the bean plant heights.
   3. Which measure of central tendency best represents the data? Explain.
2. Find the mean, median, and mode of the data in the frequency table.

|  |  |
| --- | --- |
| Scores | Frequency |
| 1 | 3 |
| 4 | 2 |
| 5 | 3 |
| 7 | 3 |
| 8 | 1 |
| 10 | 4 |

1. Find the mean, median, and mode of the data in the frequency table.

|  |  |
| --- | --- |
| Days absent | Frequency |
| 0 | 3 |
| 1 | 5 |
| 2 | 6 |
| 3 | 2 |
| 4 | 2 |
| 5 | 1 |

1. You have scored 73, 81, 77, and 93 on four of your five tests for the semester. You have set the goal of having a test average of 84 or better. What is the lowest test score you can get on your last test to meet your goal?  
   1. 79
   2. 85
   3. 90
   4. 96
2. The team scored the following number of runs in their games this season:   
    3, 1, 8, 5, 10, 6, 5, 6, 5, 6, 1  
   They want to end the season with an average of 5 runs per game. What is lowest amount of runs they can score in the final game to meet their goal?  
   1. 3
   2. 4
   3. 6
   4. 9