

For each problem come up with 7 digits (0 to 9) that satisfy the following. In each case, record your digits from left to right in ascending order.

1. Record 7 digits whose mean is 4 but whose median is 5:

2. Record 7 digits whose mean is 5 but whose median is 4:

3. Record 7 digits that have a standard deviation of 0:

4. Record 7 digits whose mean, median, and mode are 1 and which have a standard deviation larger than 0:

5. Record 7 digits that have a range of 4 and a mode of 4:

6. Record 7 digits that have a mean of 3 and a median of 1:

Explain how you came up with the answer for #6 (This is the only one you have to explain but make sure to show any work on the others):