

For this question, you will create sets of numbers that satisfy the requirements given in parts (a) through (d). You will create a different set of numbers for each part.

- a. Write a data set of any 5 numbers that has a median equal to 7. Explain your reasoning.
- b. Write a data set of any 5 numbers that has a mean equal to 9. Explain your reasoning.
- c. Write a data set of any 5 numbers that has **both** of the characteristics given below. Explain your reasoning.
  - range equal to 8
  - mode equal to 6
- d. Write a data set of any 5 numbers that has **all** of the characteristics given below. Explain your reasoning.
  - mode equal to 6
  - median equal to 7
  - mean equal to 9