

Name: _____

Consider the population: 9, 3, 21, 17, 6, 10.

a) Find the mean.

$$\mu = \frac{(9 + 3 + 21 + 17 + 6 + 10)}{6}$$
$$= 11$$

b) Find the median.

ordered: 3, 6, 9, 10, 17, 21

$$\text{median} = \frac{9 + 10}{2} = 9.5$$

c) If every measurement is increased by 10, what is the new mean?

21

(mean is increased by 10)

d) If every measurement is multiplied by 10, what is the new median?

95

(median is multiplied by 10)