

Name: Key  
 Date: \_\_\_\_\_  
 Period: \_\_\_\_\_

## 22.1 Data-Gathering Techniques Homework Worksheet

Matching

<u>D</u>	Population	A. A number that summarizes a characteristic of the <u>population</u>
<u>B</u>	Census	B. When all the individuals in a population are surveyed or studied
<u>A</u>	Parameter	C. A number that summarizes a characteristic of a sample
<u>E</u>	Sampling	D. Individuals in an area
<u>C</u>	Statistic	E. When only some of the individuals in a population are surveyed or studied

How many students in a single classroom who play Fortnite at home			
<b>20</b>	<b>15</b>	12	16
5	8	<b>17</b>	<b>11</b>
3	<b>11</b>	16	20

1. Find the mean of the entire sample.

$$\frac{154}{12} = 12.8$$

2. Find the mean of two middle columns (15,12,8,17,11,16). What type of sampling is this? Convenience

$$\frac{79}{6} = 13.2$$

3. Find the mean of shaded/bolded numbers (20,15,17,11,11). What type of sampling is this? Random

$$\frac{74}{5} = 14.8$$

4. Comparing problems 1,2 and 3. Which sampling method got you closest to the actual mean of the data? Convenience

5. Will it always be like this? Why?

No.