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## 2.4 Test Your Understanding

Type	:	Practice Assessment
Questions	:	2
Scoring Policy	:	Highest Score
Your Marks	:	1/2

Instructions



RETAKE

### Attempt History

Attempt #1

May 15, 8:04 PM

Marks: 1



Q No: 1

Incorrect Answer

Marks: 0/1

"An organization wants to survey the variance of height among students. Out of 100 students, the height of 20 students was measured."

Considering the above statement, please choose the correct combinations:

a) Height of 20 students - Sample Data

- b) Height of all the hundred students - Sample Data
- c) Height of 20 students - Population Data
- d) Height of all the hundred students - Population Data

☐ a and d

Correct Option

☒ a and b

You Selected

☐ b and c

☐ all of the above

A sample is a selection of observations from a population. Example: People (or IP addresses) who visited a website on a specific day.

A population is the universe of possible data for a specified object. Example: People who have visited or will visit a website.

Q No: 2

Correct Answer

Marks: 1/1

Identify both the parameter and the statistic in the following study:

An organization wants to estimate the average amount of calcium high school students consume.

From a random sample of 50 students, the organization obtained a sample mean of 1280 milligrams of calcium consumed.



Parameter - The average amount of calcium that students consume.

Statistic - The mean of 1280 milligrams of calcium from the sample of 50 students



Parameter - The average amount of calcium that high school students consume.

You Selected

Statistic - The mean of 1280 milligrams of calcium from the sample of 50 students



Parameter - The average amount of calcium that high school students consume.

Statistic - The mean of 50 milligrams of calcium from the sample of 1280 students

A parameter is a numerical value associated with the population. Example: The average amount of time people spent on a website.

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A statistic is a numerical value associated with an observed sample. Example: The average amount of time people spent on a website on a specific day.

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