rm-Up

ind the designated sum of the arithmetic series

$$5n = \frac{14}{2}(3+55)$$

b)
$$S_{11}$$
 of $-13 - 11 - 9 - 7 - \cdots$

a 40, 43, 46, 49, 52,...
$$9n = 40 + (n-1) = 3$$

 $9n = 9n = 1 + 3$

b -4, 12, -36, 108, -324,...

$$\Omega_{N} = 4(3^{N-1})$$
 $\Omega_{N} = \Omega_{N-1} 3^{N}$

I the designated sum of the geometric series

$$\int_{-\infty}^{\infty} \frac{4+8+16+32+\cdots}{(1-2)} = \frac{4+8+16+32+\cdots}{(1-2)}$$

population : All the members of a set

Sample

Unit 7 - Series & Statistics Objective: S.IC. 3/5/6

Samples & Surveys

ypes of Samples

Stratified Random Sample_method of sampling that involves the division of a pulation into the smaller group known as the strata

imple Random Sample subset of a statistical population in which each member e subset has an equal opportunity of being chose.

Oluntary Response Sample invites any member of the population to participate in t

Systematic Sample order the population in some way and the select from it gular intervals.

DONY enience Sample select any member of the population who are convenien d readily available.

CIUSTERED Sample population is divided into separate groups called cluste

Example 1: Identify the sampling method & state any bias.

a) A newspaper has an ad to invite people to call in and complete a survey on what type of comics they like best.

VOLUNTARY BIAS!

b) The Drama Club selects every 5th student from an alphabetical list of all the students at the school to take a survey to find what type of drama performance that the student body would like to see.

Systematic names from a list of all the control of the student body would like to see.

c) A psychologist uses a computer program to randomly select names from a list of students at a university to take a survey on their exercise habits at college.

Simple random, not bras!

d) A reporter asks people leaving a gym what types of workouts that they like the best.

On Venier & Bias!