

## **Answer on Question #84196 – Math – Statistics and Probability**

### **Question**

A sample of size 3 is to be selected from a population of 10 households. List all possible samples by linear systematic sampling.

### **Solution**

Sampling interval:  $k = \frac{N}{n} = \frac{10}{3} \approx 3$ .

All possible samples by linear systematic sampling:

(1,4,7), (2,5,8), (3,6,9), (4,7,10).