

Brilliance Tuition Centre, Redbank Plains

MATHS WORKSHEETS – STATISTICS – TYPES OF SAMPLING – RANDOM, SYSTEMATIC AND STRATIFIED

Answer the following questions.

1	A sample in which each member of the population has the same chance of selection is called as _____	
2	In random sample, each member of the population has the same _____ of selection.	
3	A sample where those chosen are chosen from regular fixed intervals of the population is called as _____	
4	In systematic sample, the chosen ones are chosen in a _____ way.	
5	The population is divided into smaller groups based on a few characteristics and then randomly select the sample. This sample is called as _____.	
6	In stratified sample, the population is divided into different _____ and a sample is chosen from each group.	

Name the most suitable sampling method for each of the following surveys.

7	Checking every 20th book in a rack of books.	
8	Checking the quality of cookies manufactured in a factory.	
9	Finding out the preferred aircon brand in the houses of a village.	
10	Measuring the pollution level of waterways in a district.	
11	Choosing two teams of players for a match by drawing their names from a jar.	
12	Checking workers in each section of a factory to find out the if they need new shoes and safety equipment.	
13	Selecting every 10th child in a line of 100 children.	
14	Selecting students from a class to check if they have passed their exam.	
15	Selecting 30 girls and 20 boys from a school of 3000 girls and 2000 boys.	
16	Selecting students from a school to see if they have worn full uniform to the school.	

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Answer Key:

Types of Sampling:

Random	Every item in the population has an equal chance of being selected.
Systematic	A sample is selected from regular fixed intervals of the population.
Stratified	The population is divided into smaller groups based on a few characteristics and then randomly select the sample.

- 1 Random sample
- 2 Chance
- 3 Systematic sample.
- 4 Systematic
- 5 Stratified sample.
- 6 strata
- 7 Systematic
- 8 Systematic
- 9 Stratified
- 10 Systematic
- 11 Random
- 12 Stratified
- 13 Systematic
- 14 Random
- 15 Stratified
- 16 Random