

Brilliance Tuition Centre, Redbank Plains

MATHS WORKSHEETS –STATISTICS – COLLECTING DATA

Collecting Data:

Census: Data are collected from every element or unit of the population.	Sample: Data are collected from only some of the representative items/units of the population.
Each and every unit of the population is studied.	Only few units of the population are studied.
Eg: Taking population census of a country	Eg: Checking quality of a product by the manufacturer.

Answer the following questions (Census/Sample):

1	The total number of staffs in a hospital.	
2	The number of people who go to office by car.	
3	The number of children who went to gymnastics to attend the Floor and tumbling class.	
4	The total number of books in a library.	
5	The total number of students in a school.	
6	The number of players who were selected to play in an event.	
7	The number of people who bought 3 tickets to a theme park.	
8	The average number of candies in a candy jar.	
9	The total number of police officers who work in Queensland.	
10	The exam results of all the students in a college.	
11	All the people in the state who voted for the selection of a new Chief Minister.	
12	A statistical method that studies about all the elements or units of a population is called as	
13	A statistical method which studies only a representative unit of a population is called as	
14	When each and every member or unit of the population is surveyed, it is called as	
15	When only a part of the population is surveyed, it is called as	

Answer Key:

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|----|--------|
| 1 | Census |
| 2 | Sample |
| 3 | Sample |
| 4 | Census |
| 5 | Census |
| 6 | Sample |
| 7 | Sample |
| 8 | Sample |
| 9 | Census |
| 10 | Census |
| 11 | Census |
| 12 | Census |
| 13 | Sample |
| 14 | Census |
| 15 | Sample |