**Math 9 Journal Entries**

**Learning Guide 14**

**Expectation 1: Explain how each of the following factors can have an effect on a survey.**

**Bias**

**Use of Language**

**Cost**

**Ethics**

**Time**

**Timing**

**Privacy**

**Cultural Sensitivity**

**Expectation 2: Describe the difference between a sample and a population, and include**

**a brief description of all 5 different sampling techniques.**

How is the sample utilized in a survey different than the population?

Give an example of where the survey sample and survey population are different.

List the five different sampling techniques

1)

2)

3)

4)

5)

**Expectation 3: Formulate an appropriate representation of statistical data and be able**

**to identify a misleading representation of data.**

Create a table of data that you have supposedly collected from a survey.

*Some examples might include test scores that you’ve asked students about, or a person’s favourite musician from a list that you give them.*

Sample table:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ARTIST | *One Direction* | *Justin Bieber* | *Drake* | *Bob Dylan* | *Lawrence Welk* |
| RESPONSE TALLY | 21 | 18 | 15 | 13 | 5 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Draw an *appropriate* representation of that data in the space below.

Draw a purposely *misleading* representation of that data in the space below.