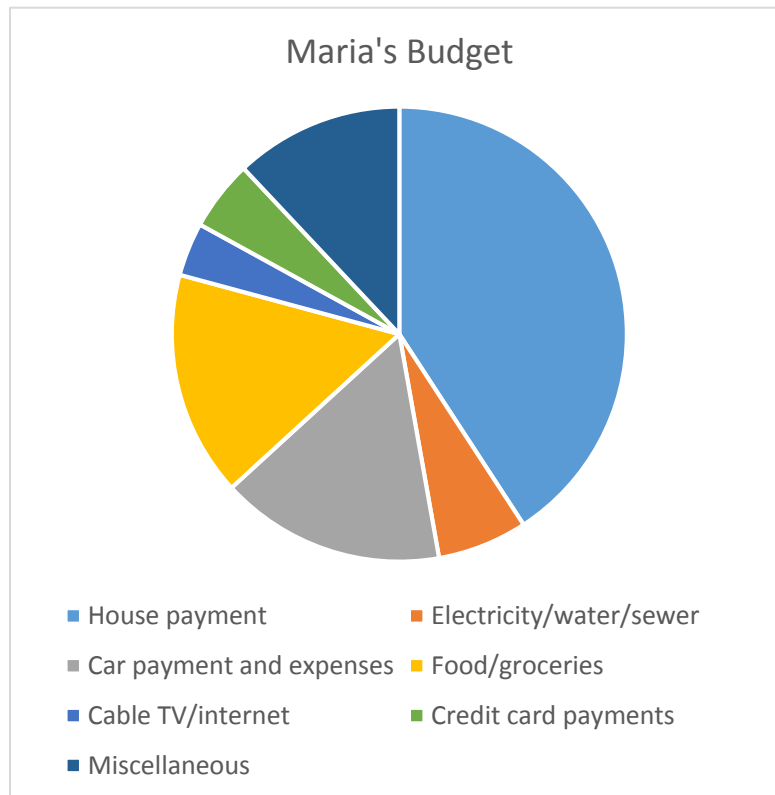# Chapter 8.1
Introduction to Statistics - Answer Key

1. a. Not everyone in New York goes to this beauty shop (or any beauty shop).
    b. Not everyone in New York goes to a particular restaurant. You have also omitted women from the survey.
    c. A boxing match does not draw a general population but specifically attracts sports fans, many of whom may be from out of town.

2. a. Assign all students random numbers and use a computer to select numbers randomly.
    b. various answers are possible

3.   a. cluster
    b. simple random sample
    c. systematic
    d. convenience

4. The results of the sample are used to generalize to a population so if the sample is not a true reflection of the target population, the results will be flawed.

5. Various answers are possible.

Chapter 8.2
Reading and Interpreting Graphical Information - Answer Key

1. a. 16%
    b. 5%
    c.

2. a.

7	0, 5, 7
8	2, 5, 5, 5, 6, 7, 7, 9
9	5, 9, 9
10	0, 1, 2, 3, 4, 5, 5, 8, 9
11	2, 6, 8
12	2, 2

b. $100-109

c. $122

3. His weight is trending down