The Roommate Dilemma

A group of 3 friends are moving into a place together.

1) Develop 3 **categorical** questions for this group to use on their apartment search.

2) Develop 3 **quantitative** questions for this group to use on their apartment search.

The Apartment

The 3 friends find the apartment with the following floor plan. It's a **3-bedroom, 2-bath** *apartment with the following rent and square feet.*

Rent: $1864 a month   Bedroom Sq.Ft: 485 ft²

1) Would it be fair to all of the roommates to split the rent equally? Why or why not?

2) Calculate the square footage of bedroom 1.

3) Calculate the square footage of bedroom 2.

4) Calculate the square footage of bedroom 3.

5) What percent does bedroom 1 represent?

6) What percent does bedroom 2 represent?

7) What percent does bedroom 3 represent?

8) The roommates have decided that they will split the rent based on the size of the bedrooms. Calculate the rent for each roommate ("HOW MANY" QUESTION).

Rent Bedroom 1:_____

Rent Bedroom 2:_____

Rent Bedroom 3:_____

Population and Sample Practice

1) Given the population, determine an appropriate sample (there can be more than 1).

Population: <u>A code enforcer drives through the neighborhoods of Marietta.</u>

Sample:

2) A college freshman wants to know how much it will cost to rent a 2-bedroom apartment. She wants to make sure that it's within a mile of her university. She conducts a google search and finds that there are 12 apartment complexes within a mile of her university.

Population: Sample: