

1. What is the approximate area, to the nearest tenths of a centimeter, of the following rooms:

Kitchen:

Studio:

Living Room:

Pantry:

Stairwell:

Bathroom:

2. Find the ratio of the pantry to the living room as a decimal (rounded to the nearest tenth place) and a simplified fraction:

3. Which ratio is closer to $\frac{1}{2}$, the pantry to the bathroom, or the studio to the kitchen?

4. What is the ratio of the kitchen to the entire first floor (do not include outdoor living area)? Express as a decimal (rounded to the nearest tenth) and a simplified fraction.

Complete the following sentence: *The area of the kitchen is _____ the area of the first floor.*

5. If the area of the second floor is $\frac{2}{3}$ the area of the first floor, and there are three equal size rooms, what is the area of each room in centimeters?

6. If 1 cm = 5 feet, what is the total square footage of this home (include first and second floor)? Use unit conversion fractions.

7. According to fixr.com it costs \$117/ square foot to build a home. Calculate the cost to build this home.

8. If have a 30-year mortgage, what are your monthly payments before taxes, insurance, and interest?

