Unit Conversions Homework

1. A standard hot tub holds 2.3 kiloliters of water. After filling up two of nine hot tubs, Johnson’s water service truck empties. How many liters of water are still needed to fill the remaining tubs?

2. Holly is buying orange juice for the class party. There are 24 people coming, and she figures each person will drink 1.75 cups.

a. How many fluid ounces of juice will she need?

b. If she buys five 59-ounce containers, will she have enough juice?

3. Josie is 1.4 m tall. Her sister is 54 cm shorter.

a. Find Josie’s sister’s height in meters.

b. How tall are Josie and her sister combined, in meters?

4. You have decided to plant flowers along the fence in your backyard. Your fence measures 15 yards in length. Each bundle of flowers measures 6 inches in length. How many flowers can you fit along your fence, and how much money would you need to spend if each bundle costs $2.00?

5. A recipe for shortbread cookies calls for 2 pounds of butter.

How many ounces of butter must she use for the recipe?

6. The miller wants to bake a loaf of bread, but he didn't have any flour. He decided he would grind just enough for eighteen loaves. If it takes one and three-fourths kilograms of flour for two loafs, how much flour will he need?