Problem-Solving Decision: Multistep Problems

Solve. Explain the steps you need.

1. In his den, Matt wants to build two shelves. One shelf is to measure 4 3/4 feet long and the other 5 5/12 feet long. Is a board 11 feet long enough for both shelves?

2. Mario slept for 1/3 of the day, practiced his trumpet for 1/24 of the day, ate for 1/12 of the day, and did chores for 1/6 of the day. How much of Mario’s day is left?

3. Julia bought a bag containing 12 cups of flour. She used 5 1/4 cups of flour in one recipe and 4 2/3 cups of flour in another recipe. How much flour is remaining?

4. Michael ran 4 2/3 miles on Monday and 5 1/6 miles on Wednesday. How much farther must he run to meet his goal of 15 miles for the week?

5. Margo bought a plant that was 6 3/4 inches tall. The first week, it grew 1 1/8 inches. The second week, it grew 2 3/4 inches. Now how tall is Margo’s plant?