**Directions:** Show all work. Identify your solution including units by circling it.

1. Marcus works in a bakery and is planning to make carrot nut muffins. The recipe calls for ¾ cup of chopped walnuts for each batch. If Marcus has 6 cups of walnuts, how many batches of carrot nut muffins can he make?

1. Mrs. Davis’ dog Bella eats 1 ¼ cups of dog food each day. If I purchase a bag that contains 20 cups of dog food, for how many days will the dog food last?
2. Mrs. Benjamin has potted plants on her back deck. She has bought a total of 10 bags of potting soil and plans to use 2/3 of a bag for each potted plant. How many pots can Mrs. Benjamin fill with soil?
3. Gwen has made chocolate pudding. The recipe makes 8 cups of pudding. She plans to use ½ cup containers to store the pudding. How many ½ cup containers will Gwen need?
4. To make my famous fruit smoothies I use 2/3 cup of mixed fruit. The bag of mixed fruit that I purchase contains 9 cups of fruit. How many fruit smoothies will I be able to make using one bag of mixed fruit?

**Bonus:** (On back) Write and solve your own problem that mirrors the type of questions on this homework.