1. Solve the following problems:

   (a) If a recipe calls for 3 carrots in 5 cups of soup, how many carrots should you use to make 7 cups of soup?

   (b) If a recipe calls for 2 potatoes in 4 cups of soup, how many potatoes should you use to make 6 cups of soup?

   (c) Which recipe is saltier, one that adds 3 tsp salt in 7 cups of soup, or 4 tsp salt in 9 cups of soup?

   (d) In a recipe that calls for 2 tsp salt in 5 cups of soup, which will increase the salt more, adding 1 tsp salt, or decreasing the broth by one cup?

   (e) If you are travelling 4 ft/sec, how far can you travel in half an hour?

   (f) What is 3 ft/sec in mph?

2. Now, think about your work for the problems

   (a) Rank the problems from easiest to hardest. What makes a problem hard or easy?

   (b) How many different methods did you use to solve the problems? Can you think of any additional methods to solve any of the problems?