Name _____ Date_____

Kennedy wants to use an internet site to sell his game system. The website will charge him a fee that will be deducted from the selling price.

1. Suppose the fee is $9\frac{1}{2}$% of the selling price. Determine the amount of the fee if Kennedy sells his system for $50.

2. How much money will Kennedy receive after the fee has been deducted?

Name _____ Date_____

A recipe that makes 16 cookies calls for $\frac{1}{4}$ cup of sugar and $\frac{2}{3}$ cup of flour. Janelle wants to proportionally increase these amounts to get a new recipe using one cup of sugar.

Using the new recipe, how much flour should she use? Explain or show your work.

How many cookies can she make with the new recipe? Explain or show your work.

Name _____ Date_____

Tiffany plans to use $275 she earned from a summer job to buy some new clothes for school. She found several items she likes but is trying to decide if she has enough money to buy all of them. She wants to buy three pairs of jeans for $42 each and five shirts with an average cost of $27 per shirt. She will have to pay $6\frac{1}{2}$ % sales tax.

If she buys all of these items, how much tax will she have to pay?

Will she have enough money for the entire purchase? Explain how you know whether she will have enough money.