Unit 4 Hand In

1. Write an equivalent fraction for each.
   a)   25.5%   b) 32.75%

2. Calculate;
   a) 25% of 180   b) 150% of 75

   c) $40.25 with 7% sales tax   d) 32% discount on $18.00

3. Find the missing value;
   a) An increase from 80 to 90   b) A decrease from 500 to 450

4. Your friend wants you to help deliver newspapers that will sell for a total of $350. He gives you two choices. Either 3.5% of total sales or a lump sum of $25. What is the better deal?

5. A student is awarded a $1000 scholarship and places it in an account that pays 3% simple interest per year. What is the total value of the scholarship amount at the end of the second year?

6. A herd of 100 caribou was moved to a new location. The population increased by 10% the first year and then increased by 20% the second year.
   a) What is the population of caribou by the end of the second year?

   b) What is the percent increase in population by the end of the second year?