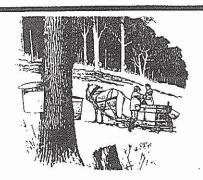# Maple Math I

Here are some questions farmers must be able to answer.
Can you answer the questions. Give it a try.

1. Maple sap is collected in buckets. Each bucket holds 4 gallons of sap. If a farmer collects sap from 50 buckets, how many gallons of sap has the farmer collected?

2. Some farmers collect maple sap in large tanks. One farmer has a 200 gallon tank. If the tank is one-half (1/2) full, how many gallons of sap has he collected? If the tank is three-fourths (3/4) full, how many more gallons must he add to fill the tank?

3. It takes approximately 40 gallons of sap to make 1 gallon of maple syrup. If a farmer collects 80 gallons of sap, how many gallons of syrup can he produce? If a farmer collects 60 gallons of sap, how many gallons of syrup can he produce?

4. A maple tree produces about 3 gallons of sap on an average warm day. If the weather pattern remains the same, in three (3) days, how many gallons does a tree produce? How many gallons of sap would 7 trees produce in 5 days?

5. In a sugarbush some of the older and larger trees can have more than one tap. In our make-believe sugarbush, Tree A has 4 taps, Tree B has 3 taps, Tree C has 2 taps, Tree D has 4 taps, and Tree E has only 1 tap. How many total taps does the maple farmer have in this sugarbush?

    If the number of taps were reduced by one (1) per tree, how many trees would have taps? How many total taps would be used on all trees? If each tap produced 10 gallons of sap during the sugar season, how much total sap would be produced?