

MAPLE MATH

Complete the following math problems (without the use of a calculator) to help Mable run her maple syrup business.

1. This year Mable is going to tap 30 maple trees.
If each tree produces 10 gallons of sap, how much sap will Mable have?

If each tree produces 15 gallons of sap, how much sap will Mable have?



2. It takes 40 gallons of sap to make 1 gallon of syrup. Last year Mable's trees produced a total of 500 gallons of sap. How many gallons of syrup did she make? (Write your answer to the nearest 0.1)

3. Mable is going to sell her syrup by the pint. There are 8 pints in 1 gallon. If Mable makes 5 gallons of syrup, how many pints does she make?

4. Each pint of syrup costs \$11.85. If I want to buy 3 pints, how much will that cost?

5. Sap from a Sugar Maple tree is usually 2% sugar. Represent 2% in the following fractions

$$2\% = \frac{\quad}{100} = \frac{\quad}{50}$$