Warm Up Questions

> **Patterson's sell farm equipment with a markup of 45%.**
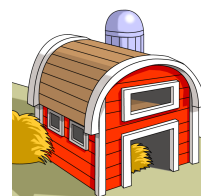
a) **If Patterson's pays $150.00 for a till, what will the selling price be for the customers?**

$150.00 x 1.45 = $ 217.50

b) **If a customer pays $25,000.00 for a farm tractor, what would be the cost price that Patterson's paid?**

(Remember - Work Backwards)

$25,000.00 / 1.45 = $17241.38

Michael works at a department store selling clothes. He is paid a commission of 20% on everything he sells.

a) If his sales for one day total $450.00, what will he be paid in commission?

450.00 x 0.20 = $90.00

b) If Michael receives $375.00 in commission for the weeks worth of sales, how much did his total sales equal for the week? **(Work Backwards)**

375.00 / 0.20 = $1875.00

> **Mary decides to purchase a house from a construction company. The company charges Mary $225,000.00 to build the house. The house takes three months to build. Mary moves into her house the beginning of April.**

a) **If Mary also decides to hire the company to do monthly maintenance on her house for the remainder of the year, how much will the maintenance contract be worth if the company charges $250.00 a month.**

250.00 x 9 months = $2250.00

b) **How much will Mary's total annual bill be for both contracts.**

Total Bill = $225,000.00 + $2,250.00
= $227,250.00