

## Algebra 1 Bellwork Tuesday, September 23, 2014

1. You earn \$7.50 per hour at a restaurant. Last week your paycheck was for \$262.50 before taxes were taken out. Write and solve an equation to find out the number of hours you worked.

2. A plumber charges \$75 to come to your house and \$35 an hour for repairs. If the plumber charged you \$355 write and solve an equation to find the number of hours they must have worked on your repairs.

3. There are about 200 mg of calcium in 1 oz. of cheddar cheese. This is only two thirds the amount of calcium in 1 cup of skim milk. Write and solve an equation to find the number of milligrams of calcium in 1 cup of skim milk

① You earn \$7.50 per hour at a restaurant. Last week your paycheck was for \$262.50 before taxes were taken out. Write and solve an equation to find out the number of hours you worked.

$$7.5x = 262.50$$

$$x = 35 \text{ hrs}$$

② A plumber charges \$75 to come to your house and \$35 an hour for repairs. If the plumber charged you \$355 write and solve an equation to find the number of hours the they must have worked on your repairs.

$$35h + 75 = 355$$

$$h = 8 \text{ hrs}$$

③ There are about 200 mg of calcium in 1 oz. of cheddar cheese. This is only two thirds the amount of calcium in 1 cup of skim milk. Write and solve an equation to find the number of milligrams of calcium in 1 cup of skim milk.

$$200 = \frac{2}{3}M$$

$$300 = M$$
  
mg