## Math 7 Notes Les 2.8

## Review of Solving 1-Step Equations

- \*Simplify each "side" of the equation when possible
- \*To get the variable by itself when it is being multiplied by a number, divide each side of the equation by that number.

Brandon found a bank offering a CD (certificate of deposit) that pays 2% simple interest. He has \$1,500 to invest. How much interest will he earn in 3 years?

$$\dot{c} = Prt$$
 $\dot{c} = (1500)(.02)(3)$ 
 $\dot{c} = 90$ 
(#90)

Math 7 Notes (Lesson 2.8) Financial Literacy: Simple Interest

Interest is the amount paid or earned for the use of money.

Simple Interest is calculated using the formula

i = simple interest money earned or paid
P = Principal (the amount of money deposited or
invested) as home

invested) or borrow

r = rate of interest written as a decimal
t = number of years money invested

Brandon found a bank offering a CD (certificate of deposit) that pays 4% simple interest. He has \$1,500 to invest. How much interest will he earn in 30 months?

$$i = Prt$$
 $i = 1500(0.04)(2.5)$ 
 $i = 150$ 

30 months \$ 150

Cali opens a savings account that pays 1.5% simple interest.
She earns \$18 if she puts money in the account for two years.
How much money did she put in the account?

Juan borrowed \$7,450 from the bank to purchase a used car. The interest rate is 8% per year. When he is finished paying off the loan, how much will he have paid the bank if the loan is for 3 years?

7 450 + interest

Micah opens a savings account that pays 0.5% simple interest. He deposits \$2000 and leaves it there for 9 months. How much money will he have in the account at the end of that time?

9 north

-75 yours

$$i = P rt$$
 $i = 2000 (.005)(.75)$ 
 $i = 7.5$ 
 $47.50 interest$ 
 $2000$ 
 $4000$ 
 $4000$ 
 $4000$ 
 $4000$ 
 $4000$ 
 $4000$ 
 $4000$ 
 $4000$ 
 $4000$ 

Sara earned \$250 in simple interest from the \$500 she put in her savings account ten years ago. What was the interest rate?

$$c = f r t$$
 $aso = (soo) r (lo)$ 
 $aso = sooor$ 
 $aso = sooor$ 
 $sooo = sooo$ 
 $sooo = sooo$ 
 $sooo = sooo$