

Name: _____

Unit 3 – Finance

3.7 – Change in Earnings

- During your working life, the amount you earn is likely to change occasionally.
- You may earn more because you receive a raise or get a new job with a higher rate of pay.
- Your wages may drop if your employer has to reduce his or her expenses or if you choose to work part-time.

Examples

1. A plumber was earning \$720.00 per week. Last week, she received a 12% raise.
 - a. What is the dollar value of the raise?

 - b. What is her new weekly wage?

 - c. How can we calculate her new wage using only one calculation?

2. A waiter earns \$8.35 per hour. The boss gives the waiter a raise of \$0.60 an hour. What is the percent increase of the raise?

Assignment – Show your work on a separate sheet of paper!

1. Complete the following table.

Present Wage	Percent Rate of Increase	Dollar Amount of Increase	New Wage
\$7.65 an hour	2%		
\$310.00 a week	11%		
\$1087.25 a month	3.5%		
\$14.95 an hour	1.5%		
\$20 800.00 a year		\$572.00	
\$15 000.00 annually			\$17 750.00

- Suppose that you are paid \$13.35 an hour. After 3 months, you receive a raise of 2%. What is your new hourly rate?
- Last year a secretary earned \$21,900.00. She improved her qualifications by taking two courses and her employer increased her salary by 4.6%. What is her new salary?
- A fast food outlet gave its employees a 3.25% raise. The average rate before the raise was \$8.65 an hour. Find the new average hourly rate of pay.
- James Martin's annual salary at his first job after graduation is \$13,104. After one year, his employer gave him a $4\frac{1}{2}\%$ increase in his salary. Calculate his new salary.
- A wholesaler employed William Green as a salesman, agreeing to pay him \$1200.00 a month and to increase his salary by 4% every six months. How much will William's monthly salary be at the end of one year?

7. Complete the following table.

Present Salary	Dollar Amount of Increase	Percent Rate of Increase
\$6.00 an hour	\$0.30	
\$6.75 an hour	\$0.52	
\$280.00 a week	\$19.80	
\$320.00 a week	\$40.00	
\$1700.00 a month	\$350.00	
\$2100.00 a month		2.4%
\$13 480.00 a year	\$600.00	
\$22 800.00 a year		4.4%

8. A construction worker was earning \$17.05 an hour. The company decided to raise her salary by \$1.00 an hour. What was her percent rate of increase?

9. A camp counsellor earned a weekly salary of \$250.00. He received a raise and his salary increased to \$275.00 a week. What was his percent rate of increase?

10. Jean-Luc Thibodeau earns \$800,000 a year as a hockey player. Next year his salary will be \$950 000. Calculate the percent rate of increase.