## 7.2 Gross Pay – Practice Problems

Matthew has a part-time job that pays \$358 per week. He wants to get another job so that he will earn \$28000 per year. How much does he need to earn bi-monthly at his other job?

\$358 x52=\$18616 78000-18616=\$9384 \$ 9384 - 24 = \$391

\$391 bi-monthly

usually earns \$90 in tips each week and works 50 weeks each year. What is Vince's gross annual income? \$12.25 x50=\$612.5 \$612.5 + \$90 = \$702.5

\$702.5 × 50 = \$35 125/yr

Vince earns \$12.25/h as a taxi driver

working an average of 50 h each week. He

Denzel works at a tire manufacturing plant and earns \$10.20/h on day shift. When he works the evening or night shift, he earns a shift premium of \$1.15/h. Last month he worked 80 h on day shift, 40 h on evenings, and 40 h on nights. What was his gross income for the month?

\$10.20 x 80h = \$816 #10.2 + \$1.15 = \$ 11.35 \$11.35 x 80h = \$908 \$ 816 + \$ 908 = \$ 1724 Astrid works in the oil and gas industry near Fort McMurray, Alberta. She earns \$28.30/h and makes double time for hours worked beyond 40 each week. Calculate Astrid's gross income for 45.25 hours worked last week.

\$ 28,30 x 40 = \$1132 \$ (28.30 x2) x5.25 = \$ 297.15 \$ | 132+297.15 = \$ 1429.15/week |

3. Aniela works at a library and earns \$10.75/h for 30h a week plus 3% vacation pay. Hannah works at a sporting goods store and earns \$11.45/h for 35h a week. Who had the higher gross income for the week and by how much?

Aniela: \$10.75 x 30 = \$322.5 \$322.5 x 0.03 = \$9.68 \$ 322.5+19.68= \$1332.18

Hannah: \$11.45 x 35h = \$400.75

\$400.75 - \$332.18 = \$68.57

Jarrod earns an annual salary of \$55 300. This year he will receive a 2% bonus. Marie earns \$440/week in wages and \$150/week in tips. Who earned more this year?

Jarrod: \$55 300 x 0.02=\$1106 \$55 300+ \$1106 = \$56406/40

Marie: \$440+\$150=\$590 \$590 x 52 = \$30 680/yr

Sarrod larred more this

7. Mario earns 3% straight commission. Brent earns a monthly salary of \$3400 and 1% commission on his sales. If they both sell \$245 000 worth of merchandise, who earns the higher gross monthly income?

Mario: \$245000 X0.03=\$7350

Brent: \$245000 x 0.01=\$2450 \$3400 + \$2450=[\$5850]

Mario earned the higher monthly income

8. Tamara wants to earn \$3000 next month.

She earns a base salary of \$600 a month plus 3% commission on sales. How much would she have to sell to earn her target?

\$ 3000 - \$ 600 = \$ 2400

\$2400 + 0.03 = \$80 000

She would reed to sell

9. Harry assembles cardboard boxes and packs them with canned soup. He averages 320 boxes per day and is paid 30¢ per box. If he works 5 days a week for 50 weeks each year, what is his gross yearly income?

320 x 0.3 = \$96 \$96 x5 x50 = \$24000 10. Kat sells T-shirts at concerts. She is paid \$25 per concert and 50¢ for each T-shirt she sells. What were Kat's gross earnings for selling 174 T-shirts at one concert?

\$0.50 x 174 = \$87 \$25+\$87=\$112

11. Suppose you would like to earn at least \$300 a week and you have two part-time job offers. Job A pays \$9.25/h, 35 h a week Job B pays \$8.10/h, 20 h a week, plus 5% commission on sales of about \$3000/week Which job would you take? Why would you take that job?

Job A: \$9.25 x 35 = \$323.75

500 B: \$8.10 x 20 = \$162 \$300 x 0.05 = \$150 \$162 + \$150 = \$312

Job A pays more but Job B you work fewer hours. At both you make over \$300. I would take Job B.

12. The company that Lars works for installing car stereos has changed ownership. He used to earn \$12.20/h for a 40 h week. Now he is paid \$35 for each stereo he installs and he averages 15 installations a week. Does this change benefit Lars? Explain.

Before: \$12.20 ×40= \$488

Now: \$35 x15=\$525

yes it benefits him as long as he can keep his installations high.