

* Complete Examples 3-6 for Monday Feb 10.

Example 3

Laura's regular rate at her job in a warehouse is \$10.86 an hour. She works 8 hours a day. She has to work an extra shift on a holiday, and her overtime rate is time and a half.

- a) What are Laura's gross earnings for the holiday?

$$\begin{aligned} \$10.86 \text{ hr} \times 1.5 &= \uparrow 16.29/\text{hr} \\ &\text{time and a half} \end{aligned}$$

$$16.29 \times 8 \text{ hr} = \underline{\underline{\$130.32}}$$

- b) What is her hourly rate on the holiday?

$$16.29/\text{hr.}$$

Example 4

Gregor works as a glazier, a person who cuts and fits glass, at a window manufacturing company in Steinbach, MB. He earns \$19.99/h for 37.5 hours a week and time and a half for any hours over that. Gregor examines the schedule for the upcoming week, shown here.

WEEKLY SCHEDULE			
Employee Name	Day	Start time	End time
Gregor	Sunday		
	Monday	8:00 am	4:00 pm
	Tuesday	8:15 am	4:00 pm
	Wednesday	8:00 am	3:30 pm
	Thursday	8:00 am	4:00 pm
	Friday	9:00 am	4:15 pm
	Saturday	8:30 am	6:30 pm

* 15 min = 0.25h
 * 30 min = 0.5h
 * 45 min = 0.75h

8h
 7.75h
 7.5h
 8h
 7.25h
 10h

- a) Describe your strategy for determining the number of hours Gregor will work each day and express these amounts as decimals.

* various answer

- b) How many hours of overtime will he work?

$$\text{total worked hours} = 8 + 7.75 + 7.5 + 8 + 7.25 + 10 = 48.50 \text{ h}$$

$$\text{total h.} - \text{regular h.} = 48.5 - 37.5 = \boxed{11 \text{ h.}}$$

Gregor works 11 h. overtime

Example 5

Megan earns \$12.60 working 40 hours a week at the local library.

a.) What is her weekly gross earnings?

$$\$12.60 \times 40 = \boxed{\$504.00/\text{week}}$$

b.) What is her yearly gross earnings? *52 weeks in 1 year

$$\$504 \times 52 = \boxed{\$26208/\text{year}}$$

c.) What is her monthly gross earnings? *12 months in 1 year

$$\$26208 \div 12 = \$2184/\text{month}$$

or *4.33 weeks in 1 month

OR

$$504.00 \times 4.33 = \$2184/\text{month}$$

Example 6

Each year a company states that they will raise their employee's gross earnings by 1.2% from their previous year. Given that Larry makes \$43 999 when he is hired...

a.) How much will he make after his first year?

$$1.2\% \text{ of } \$43999 = ?$$

$\downarrow \div 100$

$$0.012 \times 43999 = \$527.99$$

$$\$527.99 + \$43999 = \boxed{\$44526.99}$$

b.) How much will he make after his second year?

$$0.012 \times \$44526.99 = \$534.32$$

$$44526.99 + 534.32 =$$

$$\boxed{\$45061.31}$$

Unit 1.1 – Wages and Salaries Practice

1. Rachel works 40 hours a week as a journeyman printer. She earns \$23.68 an hour.

a) What are her gross weekly earnings?

\$947.20 per week

b) If she works 49 weeks a year and receives 3 weeks of paid holidays, what are her gross annual earnings?

\$49,254.40

2. What is the difference between biweekly and semi-monthly pay periods?

every 2 weeks

twice a month

3. What advantage does one method (biweekly or semi-monthly) have over the other?

you get more pay cheques with biweekly, so you have money coming in more frequently

4. Luc earns \$497.12 a month and works 12 hours a week. Explain how you would calculate his hourly pay. (Hint: \$10.36 an hour is not correct.)

His hourly pay is \$9.56 per hour.
(Your explanations will vary)

5. You are cutting lawns for your summer job. One customer gives you the option of being paid \$11.00 an hour or a flat fee of \$35.00 each time you cut the lawn. What factors would you take into account in deciding which option to choose?

Explanations may vary, but it comes down to how fast you can work to finish the lawn.

6. Arielle is paid \$11.56 an hour as a swimming lifeguard and she works 12 hours a week.

- a) What is Arielle's average monthly wage?

Either \$601.12 or \$600.66

- b) If she asked for a raise to \$12.50 an hour, would her monthly earnings increase by more or less than \$100.00?

Either \$650 or \$649.50

7. Brandon is paid time and a half (150%) of his regular hourly rate for overtime hours. He is paid \$45.00 an hour for overtime hours. What is his regular hourly rate?

\$30 per hour

8. Sandra works as a welder at a jewelry workshop. She receives annual cost-of-living raises. Her salary before receiving a raise is \$29 535.00.

a) One year, Sandra receives a cost-of-living raise of 3.4%. What is her new salary?

\$30539.19

b) If Sandra receives cost-of-living raises of 2.8% the following year and 3.2% the year after that, what will her salary be after the three cost of living raises?

\$32398.91

9. Examine the following table, which records the hours worked by an employee who uses a punch-card system to log her hours.

Time Card									
Employee Number: 67891					Approval: <i>N. Kooner</i>				
Employee Name: Navreet Kooner									
For Week Ending: 19/11/10									
Date	Morning		Afternoon		Overtime		Hours		Total Hours
	IN	OUT	IN	OUT	IN	OUT	REG	OT	
Nov 15	9:03	12:05							<i>3</i>
Nov 16			4:02	9:06					<i>5</i>
Nov 17	8:58	12:00							<i>3</i>
Nov 18			4:30	10:01					<i>5.5</i>
Nov 19	8:32	12:00							<i>3.5</i>

a) Calculate the hours and minutes this employee worked each day, recording them with decimals. *20 hours total*

b) If the employee's rate of pay is \$9.60/h, how much did she earn for the week?

\$192 for the week

10. Examine the following pay statements.

- a) Franco worked 5 days, from 6:00 pm to 1:00 am, with a 30-minute unpaid dinner break each day. He earns \$8.95/h. Fix the mistakes on his pay statement. 7 hr - 0.5 hr = 6.5 hours per day

4 mistakes

Employee Name: Franco			
Company: Silver Screen		Pay Begin Date: 21/05/2010	
		Pay End Date: 15/05/21002010	
General			
Employee ID: 999999		Job Title: Theatre attendant	
Address:		Pay Rate: \$8.95/h Annual:	
Hours and Earnings			
Description	Rate	Hours	Gross Earnings
Regular	\$8.95/h	30.0 32.5	\$268.50 290.88

- b) In one week, Christine worked three 4-hour shifts, one 5-hour shift, and, 6.5-hour shift. She is paid \$9.54/h. Fix the mistakes on her pay statement

2 mistakes

Employee Name: Christine			
Company: Whole Earth Gardens		Pay Begin Date: 14/07/2010	
		Pay End Date: 20/07/2010	
General			
Employee ID: 999999		Job Title: Cashier	
Address:		Pay Rate: \$9.45/h Annual: 9.54/h	
Hours and Earnings			
Description	Rate	Hours	Gross Earnings
Regular	\$9.54/h	23.5	\$222.08

224.19

Name: Dwe Wednesday Feb 10. Wages & Salaries Assignment _____/20

Show all of your work to receive full credit on the following 6 questions.

1. Jake gets paid \$11.90 per hour.
 - a.) He worked 38.5 hours in his first week at work. How much did he make?

 - b.) He worked 39 hours in his second week. How much did he earn?

 - c.) What are his gross earnings at the end of the 2 weeks? [3 marks]

2. Anastasia regularly works 40 hours a week (Monday – Friday) and earns \$18.36 an hour. For any overtime work on weekends, she is paid double time (200%). One weekend Anastasia works 8 hours.
 - a.) What is her hourly rate on the weekend? [1 mark]

 - b.) What are her total gross earnings after working throughout the week and weekend? [2 marks]

3. Tyler receives an annual salary of \$51 700. After completing additional certification throughout the year, his boss offers him a raise of 4.1%. What would his new salary be? [2 marks].

4. Simone works in the paint line of a manufacturing company in Winkler. She earns \$17.99 an hour for 40 hours a week and time and a half for any hours over that. Given the following schedule for the upcoming week, answer the questions below:

<i>Employee Name</i>	<i>Day</i>	<i>Start Time</i>	<i>End Time</i>
Simone	Sunday		
	Monday	8:00 am	5:30 pm
	Tuesday	8:00 am	6:00 pm
	Wednesday	9:30 am	7:45 pm
	Thursday	8:00 am	6:00 pm
	Friday	8:00 am	5:00 pm
	Saturday	10:00 am	1:45 pm

- a.) How many hours does she work in the week? [4 marks]
- b.) How many hours of overtime does she work? [1mark]
- c.) What are Simone's gross earnings for the week? [3 marks]

5. Janice earns a salary of \$78 000 and gets paid biweekly. What are her gross earnings on each pay check? [2 marks]

6. Terry earns a salary of \$51 000 as a secretary at a high end office. She gets paid semimonthly. What are her gross earnings on each pay check? [2 marks]