

Feb 13, 2020

Unit 1.3 – Additional Earnings

bonus:

Any amount of money added on top of your regular wage/salary.

* Usually for good performances (reward).

example: Holiday Bonus,

shift premium:

Additional pay on top of a regular wage for working an undesired shift.

examples: night shift, weekends (Sunday), evening, split.

Example 1

Kyle works in a bookstore selling books. He also sells customers reward cards for \$30.00 that will give them a discount on future purchases. His employer gives him a bonus of 10% of the amount received if he sells more than 20 cards in a month.

If his regular wages are \$1,883.77 and he sells 27 reward cards one month, what will Kyle's wages be including the bonus?

$$\begin{array}{r} \text{wage} + \text{bonus} \\ \underline{\$1883.77} + \underline{\$81} = \boxed{\$1964.77} \end{array}$$

Kyle will make \$1964.77.

Bonus \rightarrow 10% of \$810 from the cards.

\downarrow

$$* 27 \text{ cards} \times \$30 \text{ per card} = \$810.$$

$$0.10 \times \$810 = \underline{\underline{\$81}}$$

Example 2

Ralph works at a grocery store in Winkler where the regular hours are from 8:00am to 9:00pm Monday to Friday. However, to ensure that the shelves are fully stocked, some employees are expected to be in before 8 in the morning and stay after closing hours at 9. The manager of the store offers a shift premium of \$1.50 per hour for anyone who is willing to work these hours. Last week, Ralph worked the following hours:

	Reg. Hrs	Prem. Hr
Monday: 6:00am - 4:00 pm	8	2
Tuesday: 8:00 am - 5:00 pm	9	/
Wednesday: 3:00 pm - 11:00 pm	6	2
Thursday: 9:00 am - 6:00 pm	9	/
Friday: 2:00 pm - 10:00 pm	7	1
Total	39	5

If Ralph's regular pay was \$14.00 per hour, how much did he earn last week?

$$\text{Regular} \rightarrow 39h \times \$14 \text{ per hr.} = \underline{\underline{\$546}}$$

$$\text{Premium} \rightarrow 5h \times \$15.50 = \underline{\underline{\$77.50}}$$

$\times \$14.00/\text{hr} + \$1.50/\text{hr} = \$15.50/\text{hr}$

$$\text{Total} = \$546 + \$77.50 = \boxed{\underline{\underline{\$623.50}}}$$

Ralph made
\$623.50 in
a week.

Example 3:

Lorie took a cab home from the airport in record time! As a result of the fantastic service, she left a \$7 tip. If Lorie gave her driver \$40 and asked for no change back, what percentage of tip did she leave?

$$\text{Cost of taxi} = \$40 - \$7 = \underline{\underline{\$33}}$$

$$\frac{\$7}{\$33} \times 100 = \underline{\underline{21.2\%}}$$

Unit 1.3 – Additional Earnings Practice

1. Julia was a participant in the Department of National Defence's RAVEN program for Aboriginal youth. Now, she is a naval weapons technician in the Canadian Armed Forces. Julia is posted to a war zone and will earn \$1,900.00/month in danger pay on top of her annual salary of \$51,250.00.

a) What will her annual salary be, including danger pay?

\$ 74 050

b) What will her monthly pay be?

\$ 6170.83

2. David works as a dishwasher at a private club. He receives 1% of the tips collected in the club during his shift. If the total amount of tips collected is \$760.00, how much will David's portion be?

\$ 7.60

3. Tristan works as a restaurant server. He is paid \$11.50/h and works a 5-hour shift, 4 days a week. On a typical day, his customer bills total \$650.00 before tips, and almost every customer tips him 15%. Estimate how much Tristan will earn in wages and tips in 4 weeks.

\$ 620 per week so...

\$ 2480 for 4 weeks

4. Layla works as a barista, someone who makes and serves coffee in a specialty coffee shop. She earns the minimum wage of \$11.00 an hour, as well as an equal share of any tips that customers leave in a jar by the till.

difficult! (Don't worry if you cannot complete.)

- a) Develop a formula to figure out Layla's gross earnings in a shift, including tips.

$E = \text{earnings}$

$t = \text{tips}$

$c = \text{coworkers}$

$h = \text{hours worked}$

$$E = 11h + \frac{t}{c}$$

- b) During Layla's 6-hour shift, the total in tips is \$53.62. There are three people working at the time. Layla determines that she earned \$68.21 for that shift. Is she correct?

No, she earns \$83.87.

5. Ivan gets an annual bonus of 15% of his base salary if he exceeds sales quotas by \$10,000.00. If his base salary is \$42,000.00 and he exceeds the sales quota by the required amount, what is his bonus? What is his total salary for that year?

$$\text{Bonus} = \$6300$$

$$\text{Salary} = \$48300$$

6. Francis applies for a job as a commercial transport inspector in Tête Jaune, BC. He receives a starting salary of \$38,901.76 and an isolation allowance. If Francis grosses \$41,610.52 for the year, what would his monthly isolation allowance be?

$$\text{Monthly isolation} = \$225.73$$

7. Rishma works as a security guard at Watson Lake Airport, YT. Her regular work shift is 3:00 pm to 11:00 pm. At this airport, a shift premium of \$2.00 an hour is paid on any hours worked between 5:00 pm and 8:00 am.

a) For how many hours per shift is Rishma paid a shift premium?

6 premium hours

b) If Rishma's regular hourly rate of pay is \$17.36, how much is her gross pay for one shift?

Gross pay = \$150.88

c) If Rishma works 5 days a week, what percentage of her weekly wage is at the shift premium rate?

77%

d) What percentage of her weekly schedule are regular hours?

23%

Alternative & Additional Ways to Earn Money Assignment

Name: Due Tues Feb 18 _____ / 33

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

1. Sydney earns part of her income by selling knitted mittens for \$17.50 a pair.
 - a.) Identify the method of payment she is receiving. [1 mark]
Hint: See 1.2 notes for payment types

 - b.) If she wants to earn \$800 to purchase a sewing machine, how many pairs of mittens will she need to sell? [2 marks]

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2. Lawrence is a medical equipment supplier. He earns \$37 525 a year plus 17% commission on all sales that he makes. On average, he sells \$15 000 worth of medical supplies per month. What is Lawrence's gross pay that year? [2 marks]

3. Lilian work in sales for a sell phone company. She earns a base salary of \$1800 a month plus 5% commission on her total sales of two-year service contracts that she sells. Each contract is work \$360 and she sold \$35 contracts in December.

a.) How much did she earn from commission that month? [2 marks]

b.) What are her gross earnings each week in December? [2 marks]