Gregor works as a glazier, a person who cuts and fits glass, at a window manufacturing company in Miramichi, NB. 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	= 8 hours
	Tuesday	8:15 am	4:00 pm	= 7.75 hours
	Wednesday	8:00 am	3:30 pm	= 7.5 hours
	Thursday	8:00 am	4:00 pm	= 8 hours
	Friday	9:00 am	4:15 pm	= 7.25 hours
	Saturday	8:30 am	6:30 pm	=10 hours
				48.5 hours

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

b) How many hours of overtime will he work?

48.5 hours - 37.5 hours = 11 hours of overtime

c) Calculate his gross earnings

(1) <u>Regular Pay</u>

\$19.99/h × 37.5

= \$749.63

(2) <u>Overtime Pay</u>

• \$19.99/h × 1.5

= \$29.99/h   time and a half

• \$29.99/h × 11

= \$329.89

(3) <u>Gross Earnings</u>

\$749.63 + \$329.89 = \$1079.52

1. Marley receives an annual salary of $37000.00. What is her average biweekly income?

26

$37000 / 26 = $1423.08

2. Justin works a 20 hour work week. If his monthly income is $2165.00, how much does Justin make per hour

How many hours: 20 x 4.33 = 86.6 hours

Pay per hour: 2165.00 ÷ 86.6 = $25.00/hour

3. Jonathan earns $17.89/hour for regular hours of work. Jonathan works a 40 hour work week, and is paid time and a half for overtime.   1.5

a) What is his overtime rate of pay?
b) If he works a 45 hour work week, what is his gross pay?

a) $17.89 x 1.5 = $26.84   (OT wage)
b) 40 x 17.89 = $715.60   (Regular Pay)
      5 x 26.84 = $134.20   (OT Pay)
                    = $849.80   (Gross Pay)

4. Brad works as a personal trainer. He charges $38.00 for a 1-hour session and $53.20 for a 90-minute session. Brad ran the following personal-training sessions last week. Calculate his earnings for the week.

Day	1-hour sessions	90-minute sessions
Monday	1	2
Tuesday	2	0
Thursday	1	4
Friday	2	2
Saturday	5	2
Total =	11	10

1 Hour Session
11 x $38.00 = $418.00

90 Minute Session
10 x $53.20 = $532.00

Total Earnings
$418.00 + $532.00 = $950.00

Below is Abby's pay stub. Calculate her Gross Pay if she works a 40 hour work week and is paid $28.00 an hour and time and a half for overtime.

		Hours	Minutes	Total
Mon	8:45 am - 4:45 pm			
Tues	7:30 am - 3:30 pm			
Wed	8:45 am - 3:45 pm			
Thurs	7:00 am - 5:45 pm			
Fri	7:15 am - 4:15 pm			
Sat				
Sun	6:15 am - 3:45 pm			

Below is Jennifer's pay stub. Calculate her Gross Pay if she is paid $20/hour for the first 40 hours and then time and a half for any overtime.

		Hours	Minutes	Total
Mon	7:45 am - 3:30 pm	7	45	7.75
Tues	9:30 am - 4:45 pm	7	15	7.25
Wed	9:45 am - 4:30 pm	6	45	6.75
Thurs	7:15 am - 1:15 pm	6	0	6
Fri	8:45 am - 5:15 pm	8	30	8.5
Sat	8:15 am - 2:30 pm	6	15	6.25
Sun				

Total 42.5 hrs

① Regular Pay:

$20.00/h × 40h

= $800.00

② Overtime Pay:

(i) $20.00/h × 1.5 = $30.00/h

(ii) $30.00/h × 2.5h = $75.00

(42.5 - 40)

③ Gross Pay

$800.00 + $75.00 = $875.00

Page 60
Questions 1 to 10