Many full-time jobs have 40 hour work weeks. Anything more than the regular # of hours you work is classified as overtime.

- Often paid at "time and a half": \(1.5 \times \text{regular pay}\)
- "Double time": \(2 \times \text{regular pay}\)

**Example 1**

- \$15.82/hr
- 37.5 hour each week
- Paid time and a half for any extra hours worked over 37.5 hr
- He worked 42.25 hours in one week

\[
\text{Regular wages} = \frac{\$15.82}{\text{hr}} \times 37.5\text{hr} = \$593.25
\]

\[
\text{OT hours} = 42.25\text{hr} - 37.5\text{hr} = 4.75\text{hr}
\]

\[
\text{OT pay} = 4.75\text{hr} \times \frac{\$15.82}{\text{hr}} \times 1.5 = \$112.72
\]

**Total:** \$593.25 + \$112.72 = \$705.97
ASSIGNMENT 5 – OVERTIME PAY

1) Ingrid works as a medical receptionist at a rate of $11.82/h for 35 hours per week. She is paid overtime at time and a half for extra hours she works each week. Last week, she worked 42 hours. What will her weekly pay be for last week?

\[
\text{regular pay} \quad \frac{11.82}{\text{hr.}} \times 35 \text{hr.} = \$413.70
\]

\[
\text{OT pay} \quad 42 \text{hr.} - 35 \text{hr.} = 7 \text{hr.} \times 11.82 \times 1.5
\]

\[
= 124.11
\]

\[
+ 413.70 = \$537.81
\]

2) Natalie works as a playground supervisor for 8 weeks during the summer at a rate of $15.27/h. She works a 40-hour week but averages 3 hours of overtime each week, paid at time and a half. How much will she earn each week, and for the whole summer?

\[
8 \times 40 \text{hr.}
\]

\[
\frac{15.27}{\text{hr.}} \times 320 \text{hr.} = \$4886.40
\]

\[
8 \times 3 \text{hr} = 24 \text{hr} \times 1.5 \times \frac{15.27}{\text{hr}} = \$549.72
\]

\[
= \$5436.16
\]

3) Pete works in construction and earns $15.77/h. His regular work week is 40 hours, but he works a lot of overtime in the summer. For overtime from Monday to Friday, he earns time and a half. For Saturdays, he earns double time and a half. How much will Pete earn if he works 42.25 hours during the week, and 5.75 hours on Saturday.

\[
\text{M-F regular} \quad 15.77 \times 40 \text{hr} = \$630.80
\]

\[
\text{M-F overtime} \quad 2.25 \text{ hr.} \times 1.5 \times 15.77 = \$53.22
\]

\[
\text{Saturday overtime} \quad 5.75 \text{ hr.} 	imes 2.5 \times 15.77 = \$193.02
\]
Sat.
O\text{t} \quad 575 \text{ hr} \times 2.5 \times \$15.77 = \$227.48

\$91.80