

On Monday Betty worked 7 and a $\frac{1}{2}$ hours.
 → In your calculations, write 7.5 This is not 7 hours and 50 mins. Do NOT confuse the # after the decimal for minutes.

7.5 → 7 hours + $\frac{1}{2}$ of an hour (or 50% of an hour)



Betty Lou works full-time at the local convenience store. She is paid \$18 per hour for a 40 hour workweek. Overtime is paid at a rate of time and a half → (1.5)
 Last week she worked the hours shown in the table. On a day when she works both in the morning and in the afternoon she receives a one hour unpaid lunch break. Calculate her gross income for the week.

Monday	9:00 a.m. - 5:30 p.m.
Tuesday	9:00 a.m. - 5:30 p.m.
Wednesday	6:00 p.m. - 10:00 p.m.
Thursday	9:30 a.m. - 6:30 p.m.
Friday	9:00 a.m. - 5:30 p.m.
Saturday	9:00 a.m. - 5:30 p.m.
Sunday	off

① calculate the total amount of hours Betty has worked.

Monday = 8.5 - 1
 Tuesday = 8.5 - 1
 Wed = 4
 Thurs = 9 - 1
 Fri = 8.5 - 1
 Sat = 8.5 - 1

② Betty has a 40 hr work week, b/c the total hours she worked was 42, Betty must have worked 2 hrs of overtime.

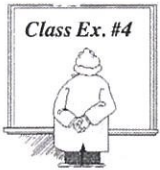
③ calculate the amount earned for her regular hours and for overtime.

Regular = (wage)(hours)
 $(18)(40) = 720$
 Overtime = (wage)(hours)(OT rate)
 $(18)(2)(1.5) = 54$

④ add the regular wage and OT wage to get the Gross Income.

$720 + 54 = 774$
 = \$774

Total = 42 hours ← minus 1 hour b/c of unpaid lunch break



Ms. Baitress works once a week as a server at Sloppy Burgers restaurant. Her income consists of an hourly salary (\$15.50/hr) plus tips. She noticed that her tips usually average to about 12% of the total food revenue of her assigned wing of the restaurant. If she works from 7:00 p.m. to 11:00 p.m. on a night when her wing of the restaurant has earned \$650 in food revenue, calculate her gross income for the night.

① calculate her full salary
 (wage)(hours)
 $(15.50)(4) = 62$

② calculate her tips
 (food rev)(12%)
 $(650)(0.12) = 78$

③ Add her salary & tips for her total earnings.
 $62 + 78 = 140$
 = \$140

Complete Assignment Questions #1 - #9

Assignment

1. Talulah is a research engineer. She has an annual salary of \$77 304. Determine her monthly gross income.

$\frac{\$77\,304}{12} = \$6\,442 \text{ per month}$

2. Elizabeth works part time at the dry cleaners. She is paid \$2.25, \$2.75, and \$3.25, for every shirt, pair of slacks, and suit she cleans, respectively. Last week she laundered 45 shirts, 22 pair of slacks, and 18 suits. Calculate Elizabeth's gross income for the week.

Shirts:
 (Amount of shirts)(pay)
 $(45)(2.25) = 101.25$

Slacks:
 (# of slacks)(pay)
 $(22)(2.75) = 60.5$

Suits:
 (# of suits)(pay)
 $(18)(3.25) = 58.5$

Gross Income:
 $101.25 + 60.5 + 58.5 = \$220.25$