

# Calculating Gross Wages

## Part 1

### Determine the elapsed time

#### Step 1

Determine start time and end time

If ending hour is less than  
starting hours



If ending minutes are less  
than starting minutes



#### Step 2

Write the later time first:

$$\begin{array}{r} 11:45 \\ - 8:15 \\ \hline \end{array}$$

Subtract 3:30

Answer: 3 hours, 30 minutes

OR

#### Step 2

Write the later time first:

$$\begin{array}{r} 1:45 \\ - 8:15 \\ \hline \end{array}$$

Add 12 to the hours of the ending time  
(12 + 1 = 13)

Rewrite problem

$$\begin{array}{r} 13:45 \\ - 8:15 \\ \hline \end{array}$$

Subtract 5:30

Answer: 5 hours, 30 minutes

OR

#### Step 2

Write the later time first:

$$\begin{array}{r} 11:15 \\ - 8:45 \\ \hline \end{array}$$

Borrow 1 from the hours, and convert to 60 minutes  
(11 - 1 = 10)

Add 60 to the minutes of the end time (60 + 15 = 75)

Rewrite problem

$$\begin{array}{r} 10:75 \\ - 8:45 \\ \hline \end{array}$$

Subtract 2:30

Answer: 2 hours, 30 minutes

## Part 2

### Multiple hours worked by hourly wage

#### Step 1

Divide the number of minutes by 60: Elapsed time: 3 hours, 30 minutes (30 / 60 = .5)

#### Step 2

Multiple hours by wage: 3.5 hours x \$7.50/hour = (3.5 \* 7.5) = \$26.25 earned