

LESSON
1.2

Overtime Pay

Vocab:

Overtime Pay -

paid more for working more
(over hours ; holidays ; weekend)

Time and a Half -

1.5 x hourly rate

Double Time -

2 x hourly rate

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EXAMPLE 1

Alan Moore is paid \$8.20 an hour for a regular 40-hour week as a restaurant host. His overtime rate is $1\frac{1}{2}$ times his regular hourly rate. This week he worked his regular 40 hours plus 10 hours of overtime. What is his total pay?

$$\begin{array}{l} \underbrace{8.20(40)}_{\text{s.t. pay}} + \underbrace{1.5(8.20)(10)}_{\text{o.t. pay}} \\ 328 \quad + \quad 123 \\ \hline \boxed{\$451} \end{array}$$

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Find the total pay. Check your answers in the back of the book.

1. Josie Perez makes \$9.00 an hour. She worked 40 regular hours and 6 hours at time and a half.

$$9(40) + 1.5(9)(6)$$

$$\boxed{\$441}$$

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Find the total pay. Check your answers in the back of the book.

2. Ed Lange makes \$11.50 an hour. This week he worked 36 regular hours and 7 hours at time and a half.

$$11.50(36) + 1.5(11.50)(7)$$

$$\boxed{\$534.75}$$

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EXAMPLE 2 Algebra

Jessica Cooper is a receptionist at a hotel and conference center. She is paid \$12.50 an hour for a regular 40-hour week. Her overtime pay is $1\frac{1}{2}$ times her regular hourly rate. This past week Jessica earned \$612.50 in total pay. How many hours of overtime did she work?

$$12.50(40) + 1.5(12.50)(x) = 612.50$$

$$\begin{array}{r} \cancel{500} \\ - \cancel{500} \end{array} + 18.75x = 612.50$$

$$\begin{array}{r} 18.75x = 112.50 \\ \hline 18.75 \quad 18.75 \end{array}$$

$$\boxed{x = 6 \text{ hr}}$$

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Complete the problems. Check your answers in the back of the book.

3. Corey Murphy earns \$11.80 an hour for a regular 40-hour week at the pet store. His overtime pay is $1\frac{1}{2}$ times his regular hourly rate. Last week Corey earned \$613.60 in total pay. How many hours of overtime did he work?

$$11.80(40) + 1.5(11.80)(x) = 613.60$$

$$\begin{array}{r} 472 \\ -472 \\ \hline \end{array} + 17.70x = 613.60$$

$$\begin{array}{r} 17.70x = 141.60 \\ \hline 17.70 \quad \quad 17.70 \\ \hline \end{array}$$

$$x = 8 \text{ hr}$$

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Complete the problems. Check your answers in the back of the book.

4. Western Deli pays its couriers straight time for 36 hours per week and double time for any hours more than 36 worked. Last week Kevin Alvarez worked a total of 42 hours and had total pay of \$545.28. What is his straight-time pay?

$$\underline{(x)(36) + 2(x)(6)} = 545.28$$

s.t.

$$36x + 12x = 545.28$$

$$\frac{48x}{48} = \frac{545.28}{48}$$

$$x = \$11.36 \text{ per hour}$$

$$\boxed{\begin{array}{l} (11.36)(36) \\ \$408.96 \end{array}}$$

**LESSON
1.3**

Weekly Time Card

EXAMPLE

Gail Stough is required to keep a weekly time card. Based on the time card in Figure 1.1, what is the number of her (a) daily hours worked on September 18 and (b) total hours for the week?

Employee Time Card						
Employee Name: <i>Gail Stough</i>			Department: <i>Customer Service</i>			
	DATE	IN	OUT	IN	OUT	HOURS
Sun.						1
Mon.	9/15	8:15 AM	12:15 PM	1:00 PM	5:00 PM	8
Tue.	9/16	8:30 AM	12:05 PM	12:35 PM	5:20 PM	8½
Wed.	9/17	8:28 AM	12:05 PM	12:30 PM	4:30 PM	7½
Thur.	9/18	8:15 AM	1:45 PM	2:15 PM	4:59 PM	8 1/4
Fri.	9/19	8:30 AM	12:20 PM	12:50 PM	5:00 PM	8
Sat.						
Employee Signature: <i>Gail Stough</i>					TOTAL HOURS	

40h

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Find the total number of hours for each person. Check your answers in the back of the book.

1. Reggie Blanco worked from 8:00 AM to 10:45 AM and from 12:15 PM to 4:15 PM.

2 hr 45 min ✓
4 hr ✓
6 hr 45 min
~~6 $\frac{3}{4}$ hr~~
6.75 hr

2. Ruth Anderson worked from 7:30 AM to 11:55 AM and from 1:00 PM to 4:50 PM.

4 hr 25 min ✓
3 hr 50 min ✓
~~8 hr 15 min~~
8 $\frac{1}{4}$ hr ✓
8.25 hr ✓
3 hr 50 min ✓

**LESSON
1.3**

Eddie Irwin works in the data processing department at the local medical center. He is required to keep a weekly time card. Use the information in Figure 1.2 to calculate the number of hours worked for (a) each day and (b) the week.

Employee Time Card		Needham Medical Center				
Employee Name: <u>Eddie Irwin</u>			Department: <u>Data Processing</u>			
	DATE	IN	OUT	IN	OUT	TOTAL
3.	Sun.					
	Mon.	12/13	8:15 AM	12:00 PM	12:30 PM	4:30 PM

3hr 45min

4hr

7 3/4 hr
7.75 hr
7hr 45min