

1.2 Overtime Pay

Oct 15-5:56 PM

Overtime Pay: extra pay for hours worked beyond regular number of hours
 Time and a Half: overtime pay the rate of (1.5) 1 and $\frac{1}{2}$ times regular hourly rate
 Double Time: overtime pay rate of twice the regular hourly rate (2.0)

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- ### 3 Steps:
- Find straight time pay
 $(\text{reg hours})(\text{reg rate})$
 - Find over time pay
 $(\text{over-time rate})(\text{reg rate})(\text{over time hours})$
 - Find total pay
 $\frac{\text{Straight pay} + \text{Over time pay}}$

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	Hourly Pay (40 hours)	Straight-Time Pay	Overtime Rate	Overtime Hours	Overtime Pay	Total Pay
Tony R.	\$12.50	500	2	8	200	700
Carson P.	\$9.50	380	$1\frac{1}{2}$	9	128.25	
Phillip R.	\$10.75	430	$1\frac{1}{2}$	6	96.75	
Aaron R.	\$11.00	440	2	10	220	
Kevin K.	\$9.75	390	$1\frac{1}{2}$	9	131.02	

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Phil is paid \$10.50 an hour for a regular 45 hour work week as a tour guide. His overtime rate is $1\frac{1}{2}$ times his regular hourly rate. This week he worked his regular 45 hours plus 16 hours of overtime. What is his total pay?

Step 1: Find STP
 $(\text{Rate})(\text{hours})$
 $(10.50)(45) = 472.50$

Step 2: OTP
 $(\text{over rate})(\text{reg rate})(\text{over hours})$
 $(1.5)(10.50)(16) = \$252$

Step 3: Find total
 $252 + 472.50 = \$724.50$

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Chris jet plane mechanic, works at an hourly rate of \$36 and earns time and a half if he works any overtime. Last week he worked 37 hours plus 8 hours over-time. Find: (A) straight-time pay (B) over-time pay (C) total pay.

Step 1: $\$1,764$
 $(36)(37) = 1332$

Step 2:
 $(1.5)(36)(8) = 432$

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Billy is paid \$8.20 an hour for a regular 40 hour work 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?

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

Step 1:
 $(12.50)(40) = \$500$

Step 2:

$$\begin{array}{r} 612.50 \\ -500.00 \\ \hline 112.50 \end{array}$$

Step 3:
 $(2)(12.50)(x) = 112.50$

$$\frac{25x}{25} = \frac{112.50}{25}$$

$x = 4.5$ hours

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Peter is a dental assistant. He is paid \$11.40 an hour for a regular 40 hour work week. His overtime pay is $1\frac{1}{2}$ times his hourly rate. This past week Peter earned \$750.20 in total pay. How many hours of overtime did he work?

Step 1:
 $(11.40)(40) = \$456$

Step 2:

$$\begin{array}{r} 750.20 \\ -456.00 \\ \hline 294.20 \end{array}$$

Step 3:
 $(11.40)(1.5)(x) = 294.20$

$$\frac{17.1x}{17.1} = \frac{294.20}{17.1}$$

$x = 17.2$ hours

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Step 1: 378

Step 2: 487.35

Step 3: 34.2

Mar 25-1:15 PM