**Section 1.4: Overtime Rate**

Usually for hours earned above and beyond a normal work week

(typically above 40 hours). **“Time and a half”.**

Overtime rate is 1.5 times the hourly rate.

If the hourly rate = $16.00/hour

Overtime rate = 1.5 x $16.00 = $24.00/hour

**Example**

Jimmy has a job with the at a calculator factory. He is paid an hourly rate of $13.00. He usually works 10 hours a day, 4 days a week.

(a) Find his regular earnings for one week.

Step 1: Calculate the number of regular hours he works in a week.

Step 2: Calculate his regular earnings for the week.

(b) If Jimmy works more than 40 hours a week, he is paid overtime for the extra hours. The overtime rate is 1.5 times the regular hourly rate.

One week Jimmy worked 9 hours overtime. Find his total earnings for that week.

Step 1: Calculate his overtime hourly rate.

Step 2: Calculate his overtime earnings.

Step 3: Calculate his total earnings for that week

**Practice**

1) Mark is paid $14 per hour for 40 hours a week. If he works more than 40 hours a week, he is paid time and a half. His friend Marcus has a different job.

Marcus is paid $12 per hour for a 38 hour a week. If Marcus works more than 38 hours a week, he is paid time and a half.

If they both work 48 hours per week who is paid more?

Step 1: Calculate the number of regular hours each person works in a week.

|  |  |
| --- | --- |
| Mark | Marcus |
|  |  |

Step 2: Calculate each person’s overtime hours.

|  |  |
| --- | --- |
| Mark | Marcus |
|  |  |

Step 3: Calculate each person’s overtime hourly rate.

|  |  |
| --- | --- |
| Mark | Marcus |
|  |  |

Step 4: Calculate each person’s overtime earnings.

|  |  |
| --- | --- |
| Mark | Marcus |
|  |  |

Step 5: Calculate each person’s total earnings for that week

|  |  |
| --- | --- |
| Mark | Marcus |
|  |  |

Sara stocks shelves at a grocery store. She earns $8.60 per hour and she works 37.5 hours a week. One week a large shipment arrives and Sara is asked to work 4.5 hours of overtime at time and half. What are her total earnings for this week?

Sarah’s earnings this week:

8. Find the regular earnings, overtime hours, overtime rate, overtime earnings, and total weekly earnings. Overtime is paid time and a half after 44 hours a week.

**Formulas (fill this in so you don’t have to show work for the chart below):**

Regular Earnings =

Overtime Hours =

Overtime Rate =

Overtime Earnings =

Total Weekly Earnings =

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name** | **Hours Worked** | **Regular Hourly Rate ($)** | **Regular Hours** | **Regular Earnings ($)** | **Overtime Hours** | **Overtime Rate ($)** | **Overtime Earnings ($)** | **Total weekly Earnings** |
| **Bill** | 48 | 12.00 | 44 | 5.28 | 4 | 18.00 | 72.00 | 600 |
| **Letitia** | 52 | 11.50 | 44 |  |  |  |  |  |
| **Jay** | 44 | 15.75 | 44 |  |  |  |  |  |
| **Tanya** | 56 | 14.50 | 44 |  |  |  |  |  |
| **Will** | 51 | 12.50 | 44 |  |  |  |  |  |