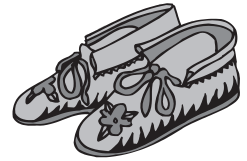# Calculating Gross Weekly Wages #7

Multiplication, division, addition and subtraction, rounding off

Some people earn a salary, while others may earn a small salary plus commission on sales. People earn money in many different ways.

Example 1: A traditional beader and sewer gets paid $250 per pair of moccasins. It takes her 20 hours to complete a pair and it costs her $30 in materials.

Problem 1: How much would she get paid if she made 5 pairs of moccasins per month.

Solution: $250 x 5 = $1250
$30 x 5 = $150
$1250 - $150 = $1100

She would make $1100 after expenses.

Problem 2: How much per hour does she make?

Solution: 20 hours x 5 = 100 hours
$1100 ÷ 100 = $11 per hour

She makes $11 per hour.

Problem 3: How much would she make in one year if she consistently made and sold 5 pairs of moccasins per month?

Solution: $1100 x 12 = $13,200

She would make $13,200 per year.

Example 2: John earns $31,200 a year plus commission. One week he grossed $725. He had sold $2500 worth of merchandise.

Problem 1: How much does he make per week not including commission.

Solution: $31,200 ÷ 52 weeks = $600

He makes $600 per week.

Problem 2: How much did he make in commission?

Solution: $725 - $600 = $125

He made $125 in commission.

Problem 3: What is his rate of commission?

Solution: $125 ÷$2500 x 100 = 5%

His rate of commission is 5%.

Directions: Calculate how much each person makes. Round your answers to the nearest cent.

A. Salary

1. Sally's job pays her $3,500 per month. What is her gross average weekly wage? _____

2. Jim grosses $27,000 a year. What is his gross weekly wage? _____

B. **Hourly** (A regular work week is 40 hours. Overtime pay is time and one-half).

1. Sue drives a truck for $15 an hour. If she worked 40 hours, what would be her gross earnings for one week? _____

2. Mark is a water truck driver. He makes $18 an hour. Determine his earnings for a week if he worked 52 hours. _____

C. Piece Work

1. Gillian gets paid 17 cents a tree for tree planting in northern British Columbia. In one week she planted 2437 trees. What is her wage?

   _____

2. A seamstress is paid $10 for every pair of pants made. How many pants would have to be made to receive $520 a week? _____

D. Straight Commission

1. A real estate agent earns 2.4% on the sale of a house priced at $289,950.00. How much does she earn on that house? _____

2. A salesperson sells $5780 worth of merchandise in one day. From working on commission his gross pay for that day was $179.18. What is his rate of commission? _____

E. Salary Plus Commission

1. Dave earns $150 per week plus 3.8% commission. He sold $4175.68 in the month of February. What is his gross monthly earning for February?

   _____

2. Mary earns $41,600 a year not including commission. One week she grossed $950. She had sold $5000 worth of merchandise. What is her rate of commission? _____

F. Hourly Wage Plus Commission

1. Julie is a sales clerk at a bicycle shop. She is paid $12.25 per hour plus she is given a commission of 8% of sales. In one week she worked 30 hours and her sales were $2319.75. What is her gross weekly earnings for that week? _____

2. Sam is paid $14 per hour plus 6% of sales. If he worked 37.5 hours in one week, what would his sales need to be for him to make $733.50 per week before taxes? _____

More on Wages #8

Multiplication, addition

Calculate gross earnings for one week given the hours worked and the hourly rate. A regular work week is 40 hours. Overtime pays time and one half. For example if a person was paid $10 per hour, time and one half would be $15 per hour.

1. **Job:**   Truck Driver

   Hours Worked: 40

   Hourly Rate: $20.75

   _____

2. **Job:**   Word Processing Operator

   Hours Worked: 35.5

   Hourly Rate: $16.50

   _____

3. **Job:**   Labourer

   Hours Worked: 51

   Hourly Rate: $20.00

   _____

4.   **Job:**   Auto Mechanic

       Hours Worked: 60

       Hourly Rate: $40.00

       _____

5.   **Job:**   Plumber

       Hours Worked: 41

       Hourly Rate: $44

       _____

6.   **Job:**   Tutor

       Hours Worked: 17

       Hourly Rate: $35.00

       _____