

## Math 9 Section 2.1 – Income Part 1

**Homework:** Section 2.1 on Pg. 55; #1-4, 6, 13, 14, 17, 18  
Worksheet (at the back of package); #1, 2, 5

**Income:** \_\_\_\_\_

*There are a few different ways people get paid for the work they do.*

**Wage:** \_\_\_\_\_

**Salary:** \_\_\_\_\_

**Commission:** \_\_\_\_\_

**Piece of Work:** \_\_\_\_\_

*A few more vocabulary terms related to income.*

**Gross Income:** \_\_\_\_\_

**Overtime:** \_\_\_\_\_

*Time-and-a-half:* \_\_\_\_\_

*Double-time:* \_\_\_\_\_

*And finally, some vocabulary related to time (I promise this is the end of vocab for today!)*

**Annual:** \_\_\_\_\_

**Monthly:** \_\_\_\_\_

**Semi-Monthly:** \_\_\_\_\_

**Weekly:** \_\_\_\_\_

**Every 2 Weeks:** \_\_\_\_\_

**Example #1:**

Steven works at a fast food restaurant. He makes \$15 an hour. He gets paid time-and-a-half for overtime. What is Steven's gross income for 15 hours of regular work and 5 hours of overtime?

**Example #2:**

Annabel works as a doctor. She has an annual salary of \$53,200.

a) How much is her paycheque if she gets paid semi-monthly?

b) Find her income per week

c) If she works 40 hours per week, find her hourly wage

d) If she gets paid double-time for overtime, how much does she make for 10 hours of overtime?

## Math 9 Section 2.1 – Income Part 2

Homework: Section 2.1 on Pg. 55; #1-4, 6, 9, 13, 14, 17, 18, 19, 22-24  
Worksheet (at the back of package); #1-8

**Commission:** \_\_\_\_\_

**Commission =** \_\_\_\_\_ X \_\_\_\_\_

### Example #1:

Frank earns 8% commission on furniture sales. If he sells \$3000 of furniture, how much commission does he earn?

*Sometimes, you earn different amounts of commission depending on how much you sell.*

### Example #2:

Sally receives commission based on how much wedding cake she sells. She gets 12% commission on all cake sales over \$600. If she sells \$2100 of cake in a certain week:

a) How much commission does she earn?

b) Sally is paid \$22 per hour. If she works 35 hours during the same week, what is her gross income for the week?

**Piece of Work:** \_\_\_\_\_

**Example #1:**

Sam works in a Stüssy clothing factory. He gets \$10 for each T-shirt he sews. He can sew a T-shirt every 20 minutes.

- a) How much does he make per hour?
  
  
  
  
  
  
  
  
  
  
- b) Sam gets paid every two weeks. If he works 38 hours per week, how much does he make each paycheque?

**Example #2:**

Cynthia works making custom skateboards. She earns 45% of the price for each skateboard made. It takes her 6.5 hours to make a \$575 skateboard.

- a) How much does she earn per skateboard?
  
  
  
  
  
  
  
  
  
  
- b) How much does she earn per hour?
  
  
  
  
  
  
  
  
  
  
- c) If she works 39 hours every week, what is her gross income for the year?

*Now you should be able to complete all the homework on the worksheet and Section 2.1 on Pg. 55; #1-4, 6, 9, 13, 14, 17, 18, 19, 22-24*

### Income Worksheet Math 9

1. A fast food worker earns \$13.25 an hour for a 40-hour week. He makes time and a half for overtime. He worked 46 hours in a week. Find his gross pay.
  
  
  
  
  
  
  
  
  
  
2. Kyle has an annual salary of \$67 000. Find how much he receives for each paycheque if he is paid:  
a) weekly                      b) monthly                      c) every two weeks                      d) semi-monthly
  
  
  
  
  
  
  
  
  
  
3. Shauna works for a real estate company that pays 1% commission on all house sales. She sold houses valued at \$125 000, \$75 000, and \$250 000. Find her gross pay for all sales combined
  
  
  
  
  
  
  
  
  
  
4. Tim sold \$7500 worth of goods. He earned 5% on the first \$3500 and 7% on the remainder. Find his total commission for the week.
  
  
  
  
  
  
  
  
  
  
5. One particular week an assembly line worker put in 53 hours (40 were regular hours, 6 hours were paid at time and a half, and the remainder at double time). Find the worker's gross pay if the regular rate of pay was \$17.20 per hour.

6. June's monthly salary is \$650. In addition, she receives 3% commission on the first \$1200 of her sales and 9% on all sales over \$1200. Last month, June sold \$2700 worth of products. What was her gross pay?

7. Tamara receives a monthly salary of \$875 plus 4% on all sales over \$400. Calculate her monthly gross pay if her sales were \$2180.

8. Paul works for a manufacturing company where he assembles containers. One week he produces 401 containers of which 19 are defective. Paul gets paid \$2.37 for each container he makes that is not defective. If Paul worked 37 hours during the week, find his hourly pay.

Answers:

1. \$649.25    2. a) \$1288.46    b) \$5583.33    c) \$2576.92    d) \$2791.67  
3. \$4500    4. \$455    5. \$1083.60    6. \$821    7. \$946.20    8. \$24.47