

Scientific
Calculators

'Sin' 'Cos' 'tan' 'log'

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

Good

Income: How much you get paid for work you do

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

Wage: You get paid per hour

Salary: You get paid a fixed amount over a long time (month/year)

Commission: You get paid for how much you sell (Percentage)

Piece of Work: You get paid for each thing you make/do

A few more vocabulary terms related to income.

Gross Income: total amount you get paid (added together)

Overtime: extra pay for work outside normal hours

Time-and-a-half: Each hour of work equals 1.5 hours of pay

Double-time: Each hour of work equals 2 hours of pay

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

Annual: per year

Monthly: per month - 12 times a year

Semi-Monthly: 2 times per month - 24 times a year

Weekly: per week - 52 times a year

Every 2 Weeks: $\frac{52 \text{ weeks}}{2} = 26 \text{ times a year}$

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?

$$\text{total} = \text{regular} + \text{overtime}$$

$$= \$15 \times 15 + 5 \times \$15 \times 1.5$$

$$= \$225 + \$112.50 = \underline{\underline{\$337.50}}$$

2
Decimal
Places

Example #2:

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

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

$$\frac{\$53,200}{24} = \underline{\$2216.67}$$

2 per month - 24 in a year
rounded

b) Find her income per week 52 weeks

$$\frac{\$53,200}{52} = \underline{\$1023.08}$$

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

$$\frac{\$1023.08}{40} = \underline{\$25.58}$$

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

$$\underline{\$25.58} \times 2 \times 10 \text{ hours} = \underline{\underline{\$511.60}}$$

x 2 times

x 3 times

.54