7.1 Making and Saving Money

Homework Assignment Log

Textbook Pages:_____

Date	Assignment/Worksheet	Due Date	Completed?
Jan 8	Get Ready p. 242-243 #1-9	Jan 9	

Quizzes & Tests:

What?	When?	Completed?
Quiz 1		
Quiz 2		
Unit/ Chapter test		

7.1 MAKING AND SAVING MONEY

Name:_____ Block_____

PRACTICE ▶ HW

Get Ready:

pg. 242-243 questions #1-9 *be sure to read and review the notes + hints in the green boxes!*

In this unit we'll be applying your math and literacy skills to help you make smart decisions with your money.

Using the table below brainstorm ways someone your age can make money, what they might spend their money on and what they might be saving for:

Making Money	Spending Money	Saving Money
• allowance • jobs • selling items • gifts • inheritance/trust	• clothes/shoes • food • "friends" • phone bill	• bank account • money jar/piggy bank

A) CALCULATING INCOME:

What is <u>income</u>? money received in exchange for work done. (could be a gift)

What are other ways people can be paid?

Salary	The amount of money you are paid over a fixed period of time. Can be paid out weekly, biweekly, monthly, etc.
Commission	Paid a certain % of the total sales you make.
Wages	working for an hourly rate of pay. (overtime work: "time and a half" x1.5)
Piece Work	The worker is paid a fixed price/rate for the job done, or for each unit produced, regardless of the time spent producing the item

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Example #1: Salary

A worker with an annual salary of $42,600 is paid weekly. Her work week is 40 hours.

how much for the entire year

There are 52 weeks in 1 year

a) What is her income every week *(don't worry about tax and deductions…we call this gross income)*

she is getting paid 52 times in that 1 year

so, $\frac{42,600}{52}$ = $819.23 weekly gross income

b) What is her hourly pay rate?

she works 40 hrs per week, so $\frac{819.23}{40hr}$ = $20.48/hr

c) If her overtime pay rate is *"time and a half"* what does she make working eight hours overtime during one week?

×1.5

8 overtime hours, counts like (8×1.5) = 12 hours of work

So its like she is being paid for 12 hours EXTRA

normal week earnings: $819.23 (reg)
8 hrs O.T. $20.48•(12) : $245.75 (+OT)
_____
$1064.99

↳ 48 hrs of work

PRACTICE

Anna receives a yearly salary of $48 600 by equal payments every two weeks. Her regular workweek is 37.5 hours, with time and a half for overtime. During a two week period, Anna worked 6 hours overtime.

a) What is Anna's hourly rate of pay?

b) What is Anna's gross pay for the two week period?

a) 52 weeks in 1 year ÷ 2 = 26 pay periods

Paid biweekly: $\frac{48600}{26}$ = $1869.23

Paid per hour: $\frac{1869.23}{(37.5×2)}$ = $24.92

(75) ↳ 2 week period

gross pay = reg + OT

b) $1869.23 + O.T

overtime: (6×1.5) $24.92
= $224.28

gross = $1869.23 + $224.28
= $2093.51

Example #2: Commission

April's commission rate in a furniture store is 8%. She received a commission of $415 form the sale of a bedroom suite. How much did the bedroom suite cost?

commission = sales × commission rate
earned

$ you make   how much you had to sell   % of sale

$415 = S × 8% ← write as a decimal

$\frac{415}{0.08}$ = $\frac{S×(0.08)}{0.08}$

S = $5,187.50

was the cost of the bedroom suite April sold.[2]

PRACTICE

← 0.075

Lily works in a women's clothing store. She receives a weekly base salary of $420, plus a commission of 7.5% on all weekly sales over $5500. If Lily had sales of $7250 for the week, what is her gross income for that week?

Getting paid commission on: $7250 − 5500 = $1750

commission = sales × commission rate
earning   = $1750 × 0.075
            = $131.25

gross income = base salary + commission earnings
             = $420 + $131.25
             = $551.25

Example #3: Wages

Jared babysits his neighbours' child three days a week after school. He earns $9.50/hour. The following table is a tracking sheet of his hours each week:

Day	Hours
1	3 hours
2	4.5 hours
3	3 hours

3 + 4.5 + 3 = 10.5

Antoni

Jared is saving for an upcoming concert and ski trip with school. Each week he saves 25% of his earnings for the concert tickets and 40% for the trip.

a) What is Jared's weekly income?

income = wage × hours worked
income = $9.50 × 10.5h
income = $99.75

b) How much money does he save toward the concert each week?

decimal → 25% of his income
0.25 × $99.75 = $24.94

c) How much does he save toward the ski trip each week?

decimal → 40% of his income
0.40 × $99.75 = $39.90

d) How much is left for saving or spending each week?

income − concert savings − ski trip savings = leftover $

$99.75 − $24.94 − $39.90 = $34.91

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PRACTICE

June works as a carpenter for a large construction company. Her regular work week is 40 hours, with an hourly pay of $20.65 and time and a half for overtime. If June worked 44.5 hours last week, what is her gross pay?

Example #4: Piece Work

One of the thirteen product stages in producing parkas is installing the zipper. An experienced seamstress needs 20 minutes on average to sew a zipper to a parka, and is paid $6.20 per zipper. What is her weekly pay if she has a 35 hour workweek?

PRACTICE

World famous Cowichan sweaters retail at $250 to $500. The knitter of the sweater receives 60% of the retail price. The length of time to knit a sweater varies between 20 to 36 hours, depending on the size of the sweater and the design. Sweater A takes 26 hours to knit and sells for $489. Sweater B takes 22 hours to knit and sells for $429. How much do the knitters receive for each sweater, and how much did they make per hour?

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B) WORKING WITH EXPENSES:

What is an expense?

Example #2:

Jade works at an eyeglass store on Saturdays. She earns $252.35 per month. Jade pays $45/month for her cell phone, $88/month for a transit pass and $50/month for skating lessons. If Jade wants to save $300 for a new tablet and she saves 40% of her pay cheque after expenses each month, how long will it take for her to save the money?

PRACTICE

1. Calculate the amount of money earned for someone who works 15 hours a week at a rate of $13.85/hour.

2. Greg makes $225.75 each week. How much does he make in a month? If he saves 20% of his pay cheque each week, how much will he save in one year?

3. If your salary after taxes and deductions is $34510 per year, what is your pay on each pay cheque for the different time periods below?
   a. monthly

   b. semimonthly

   c. biweekly

   d. weekly

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Homework	Required	Extra Practice	Extension
Assignment #7.1 247-248	1, 2, 3, 4, 5, 6, 7, 8		9

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