

GRADE 10 ESSENTIAL

Name: _____

WEEKLY QUIZ 200917

Date: _____

Show work for best mark. You are always permitted a calculator.

Use a single page '**cheat sheet**' (you should be preparing your own)

Each individual question is worth 2 marks.

Timing: This should take maximum 30 minutes!

1. Vanessa worked the following hours last week:

M	T	W	Th	F	SA	Su
8	6	4	0	10	10	6

Her *regular* rate of pay is **\$12.50** / hour. She gets *overtime* rate of pay of 1.5 (one-and-a-half) times her regular pay after **8** hours in any day. She makes no commission.

Calculate Vanessa's **Gross Pay**.

2. Calculate: Show work (manually, by hand)

a. $29 \times 555 =$

b. $845 - 247 =$

3. Mike worked 46 hours over the Christmas holidays. His regular rate of pay is **\$17.00** per hour (\$17/hr). Because it is Christmas, he gets overtime pay of **double** the regular rate of pay after 40 hours in a work week.

a. Calculate Mike's **gross pay**.

b. Mike's boss sends \$35/ week (each pay) of Mike's pay into a Retirement Plan (RRSP) that Mike has at a bank. Calculate Mike's **Taxable Income**.

c. If Mike is in a 23% '*income tax bracket*' (his combined taxes, Federal and Provincial) calculate much he will pay for **Income Taxes**

d. How much will Mike's deduction from his pay cheque be for his Canada Pension Plan (CPP) contribution? (*the normal 4.95% contribution of gross income*)

MULTIPLE CHOICE. Circle the letter of the one best answer.

1. The CPP **benefit** is:
 - a. income from the federal government when between jobs
 - b. a basic retirement income from the government for many years of working
 - c. an amount deducted from gross earnings and submitted by your boss to the government
 - d. a personal savings plan

2. Overtime pay may be defined as:
 - a. Earnings after deductions have been done
 - b. Earnings before deductions are done
 - c. Earnings for working more than 8 hours a day or 40 hours a week
 - d. Income from the government when you are sick

3. Workers are paid by piece work when:
 - a. They work more than 40 hours per week
 - b. they work on weekends
 - c. they get paid based on the number of items they assemble
 - d. They work shift work

4. Workers who are paid a commission are probably:
 - a. Teenagers working part-time in a fast food restaurant
 - b. teachers, managers, government workers
 - c. car salespersons, realtors, telemarketers
 - d. Commissionaires and security staff

Bonus(es): (Extra marks *if* you need them)

1. **Problem Solving.** Determine the sum (ie: if you add them all up) of all the counting numbers from 1 to 20. (ie: $1 + 2 + 3 + + + + + \dots 19 + 20$)

2. **Problem Solving – Logic / Guess and Check.** If three hot dogs and **one** coke cost \$4.50, and three hot dogs and **two** cokes cost \$5.25;

- a. determine the cost of one coke.
- b. determine the cost of one hot dog

BONUS. Divide using standard division ‘algorithm’ steps (manually, by hand): **Show work. Express the answer with a remainder.**
[Expressing it as a decimal would be very, very challenging]

$$846 \div 13$$