

Math 123-02
Summer 2024
Dr. Lily Yen

Assignment 4

Show all your work

Name: _____
Number: _____
Signature: _____
Score: ____/10

Problem 1: Answer each question to two decimal place accuracy when appropriate. Write out steps for each.

a. Convert the fraction *two fifteenths* into a percent.

b. Find 210% of 70.

c. What fraction of 160 is 40? Simplify to lowest terms.

d. 15 is 3% of what number?

e. When you pay a 105-dollar monthly internet package, how much in total do you need to pay? Hint: We have a 5% GST and 7% PST.

f. Suppose in 2018, Canadians spent 4.6 billion dollars on cookies of which 660 million dollars were for Oreo cookies. What percentage of the cookies revenue in Canada that year was occupied by Oreo cookies?

Score: /6

Problem 2: Brian needs to decide which of the following two investment options is better: an annual interest rate of 9.9% compounded monthly or an annual interest rate of 11% compounded quarterly. Show all calculation which leads to your conclusion.

Score: /2

Problem 3: Janette's grandmother invests \$20 000 at a rate of 5% compounded annually. Find the time in years that it takes her investment to double.

Score: /2