868

868TUTORS

TUTORS

Preparation for

High School

Mathematics

Consumer Arithmetic II

Math

Instructions and Tips:

- ✓ You have 60 minutes to complete this worksheet
- ✓ This worksheet consists of 7 questions
- ✓ Write answers in the spaces provided
- ✓ All working must be clearly shown
- ✓ Answers should be given to 2 decimal places

Student Name: _____

Student ID: _____

Date: _ _ / _ _ / _ _ _ _
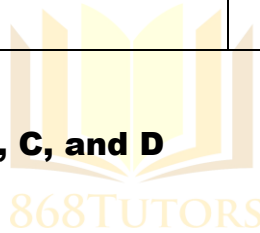
Total Score:

Highest Score:

Tutor's Comments:

Question 1

(a) The table below shows Georgia's shopping bill. Some information was not included

Items	Quantity	Unit Price (TTD)	Total Cost (TTD)
Cassava flour	6.5 kg	2.40	A
Pimentos	6 bags	B	52.80
Coconut Water	C litres	12.35	98.80
Sub-Total			167.20
5% Security Fee (to the nearest cent)			D

Calculate the values of A, B, C, and D

(5 marks)

(b) The Security Fee was increased from 5% to 7%. Calculate the increase in Georgia's bill.

(2 marks)

Question 2

(a) How much simple interest is due on a loan of $14,000 for two years if the annual rate of interest is ½ percent?

(2 marks)

(b) How much simple interest is due on a loan of $20,000 for three years if the annual rate of interest is 5 percent?
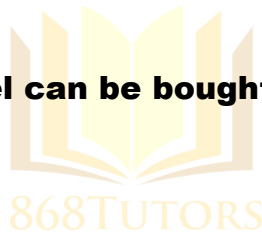
(2 marks)

Question 3

(a) In the Republic of Trinidad and Tobago, 3 litres of diesel cost TT$5.16

 Calculate the cost of 5 litres of diesel in Trinidad and Tobago

(2 marks)

(b) How many litres of diesel can be bought for TT$100.00 in Trinidad and Tobago?

(2 marks)

Question 4

A man in Barbados invests 12,000 Barbados Dollars (BDS) into an account that pays 8.5% interest per year, compounded annually. Calculate the amount of money that he will have after 3 years.

(3 marks)

Question 5

A man in Guyana invests 15,000 Guyanese Dollars (GYD) into an account that pays 9.5% interest per year, compounded annually. Calculate the amount of money that he will have after 2 years.

(3 marks)

Question 6

A farmer purchases a pickup truck for $280,000. The pickup truck depreciates at a rate of 5% per year. Determine the value of the pickup truck after 4 years.

(4 marks)

Question 7

The interest rate on savings in a bank decreased from 5 ½ percent per annum to 4 percent per annum. Calculate the difference in annual interest on a deposit of $10,000.

(4 marks)

END OF WORKSHEET