

Yusra Salti

Portfolio Project

MATH201 College Mathematics: Quantitative Reasoning

Professor Lippman

12/2/2022

1. Introduction
2. The purpose of this portfolio project to see if you can apply for a loan to start a small business.
3. Week 2: Budget Basics

## Budget Basics

### a) Monthly Net Pay

- I. I'm a medical assistant, and my annual income is 37,222

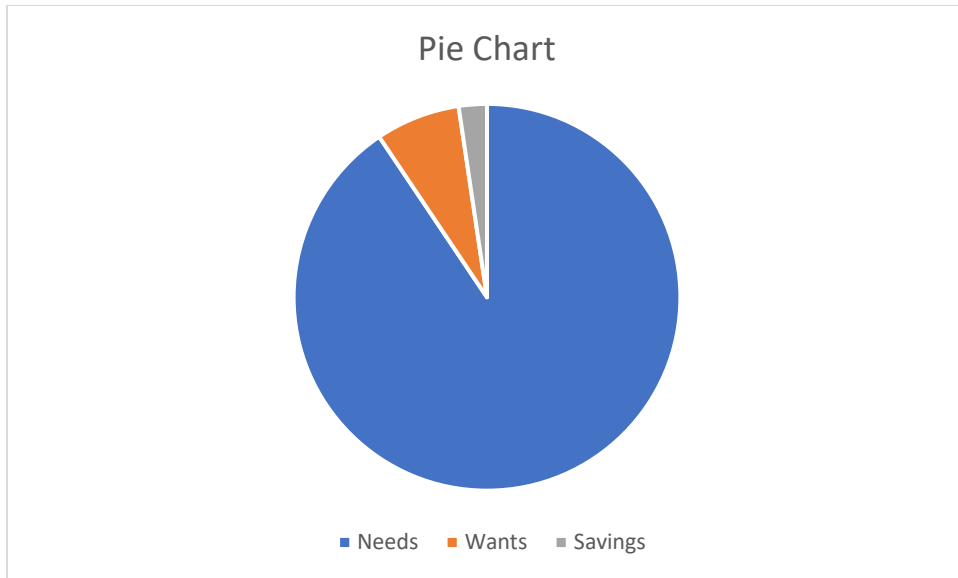
Income	
Annual Salary:	\$37,222
Gross Monthly Pay (Annual salary divided by 12):	\$3101.8
Monthly Net (take-home) Pay (Gross monthly pay minus income taxes, FICA taxes, and health insurance deductions)	\$2571

### b) Monthly Expenses

**Table 1: Monthly Expenses**

<b>Table Monthly Expenses</b>			
<b>Budgeted Category</b>	<b>Category Details</b>	<b>Budgeted Amount</b>	<b>Percent of Total Take Home Pay</b>
Housing	Rent or mortgage payment, property taxes, repairs, etc.	\$1200	%56.5
Food	Groceries, going out to eat, small snacks (lattes, vending machine, etc.)	\$50	%2.4
Insurance	Life, medical, home, or auto	\$175	%8.2
Transportation	Car payment, fuel, parking, oil change, etc.	\$200	%9.4
Utilities	Water, electricity, internet, phone, etc.	\$300	%14
Personal care	Haircuts, clothing, make-up, etc.	\$100	%4.7
Entertainment	Anything fun (leisure activities)	\$50	%2.4
Savings	Retirement or general savings (car, college, emergency fund)	\$50	%2.4
Miscellaneous	Donations, other	\$0	%0
<b>TOTAL</b>		<b>\$2125</b>	<b>%100</b>

**c) Create a Monthly Expenses Pie Chart**



**d) Compare your Monthly Expense Ratios to the 50-30-20 Rule**

My pie chart shows that I use most of my money on my needs which is my 50. It shows that my wants is my 30. Also, that my savings is my 20 the percentage which is what I use the least amount of my money. I don't think I will make any changes to the way I chose to spend my money.

**4. Week 4: Part 2 - Debt and Expenses**

**Debt and Expenses**

**a) Calculate your Debt-to-Income Ratio**

My debt-to-income 2125 is 82.65% of 2571. My debt- to- income is a high percentage so at the end of the month that only leaves me with \$446 left.

**b) Calculate your Housing Ratio**

At the end of the year my total rent would be 14,400 and my annual income is 37,222.

That is 38.6%. Now after seeing this, it showed me that I should find a cheaper place to live in order to manage my money smarter.

**c) Calculate your Transportation Ratio**

I spend \$200 a month on transportation that's 9.4%. I am under the recommended percentage. I believe I spend my money wisely on transportation.

**d) Calculate your Life Insurance Ratio**

I spend \$175 on insurance each month that's \$2100 each year. Which is 81.7% out of \$2571. I'd say I'm in a decent range for insurance.

**5. Week 6: Part 3 - Assets, Savings, and Analysis**

- Due by the end of Week 6 at 11:59 pm, ET.

**Assets, Savings, and Analysis**

**a) Calculate your current asset total (collateral).**

My starting amount was \$100 I add \$50 annually the rate of return is 8.00% I plan on it being there for 10 years so eventually my investment will be worth \$940.

**b) Calculate your Retirement Savings Ratio**

I save \$50 a month that's \$600 a year by the time I'm 65 I'll save \$27,600, and that's not more than my annual salary. Also, by the time I'm 70 I'll have saved up 30,600 and that's still not enough. This is teaching me to start saving more for my retirement.

**Calculate your Emergency Fund Ratio**

- A) I save \$50 dollars a month for emergency in six months that \$300. This is way less than the recommended amount I need to start putting more in that savings account.
- B) 10,000 is what I need to start my small business.
- c) I do not believe that I am ready to apply for a loan yet because I do not check all the boxes required. But in 2 to 3 years, I will get better pay and now from learning with this experiment I will now try to better manage my money and how to save it.