**Math 11 AWP Unit 2 – Personal Budgets**

Assignment 4 – Analysing your budget

1. Janae works as a server and earns and hourly wage plus tips. She works about 40 hours per week, at a fixed rate of $10.75 per hour. She takes home about $500.00 in tips each month. Her fixed and variable expenses account for about 80% of her income.
2. How much money does Janae put into savings each month? (assume there are 4 weeks in a month).
3. Janae spends about $75.99 a week on food. What percentage of her income does this represent?
4. Justin works on contract as a landscaper. He earns about $2700.00 a month. He is creating a budget and wants to put 12% of his income into savings.
5. If he follows his budget, how much will he save each month?
6. How long will it take him to save $1500.00?
7. Veejay is saving for his college tuition. Since his parents do not change his room and board, he plans on saving 55% of his income. If he earns $1725.00 per month, how long will it take him to save the $6000.00 he needs for tuition and $550.00 for books?
8. Pierre has kept a record of his spending over the past 4 months. He earns semi-monthly pay of $1475.59.

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| --- | --- | --- | --- | --- |
| Item | August | September | October | November |
| Mortgage payment | $1450.00 | $1450.00 | $1450.00 | $1450.00 |
| Utilities/phone | $139.00 | $142.00 | $142.00 | $159.00 |
| Groceries | $276.00 | $312.00 | $248.00 | $363.00 |
| Loan repayment | $250.00 | $250.00 | $250.00 | $250.00 |
| Charity | $100.00 | $25.00 | --- | $30.00 |
| Entertainment | $95.00 | $128.00 | $212.00 | $145.00 |
| Transportation | $245.00 | $189.00 | $196.00 | $212.00 |
| Miscellaneous | $84.00 | $98.00 | $75.00 | $54.00 |

1. Create a conservative budge for Pierre. Put any surplus into savings

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| *Pierre’s Monthly Budget* |
| *Income* | *Expenses* |
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|  |  |  |  |
|  |  |  |  |
| *Total income* | *$* | *Total expenses* | *$* |

1. Approximately how much will be save in a month? In a year? What percentage of his income does this represent?
2. Chantal has kept track of her income and expenses over the last 6 months. Averages for her income and spending are shown.

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| *Chantal’s Monthly Income and Expense* |
| *Income* | *Expenses* |
| Semi-monthly | $1110.00 | Rent | $675.00 |
| Semi-monthly | $1110.00 | Utilities, phone, cable and internet | $150.00 |
| Tips | $135.00 | Food | $395.00 |
|  |  | Transportation | $285.00 |
|  |  | Entertainment | $125.00 |
|  |  | Other | $350.00 |

1. Create a conservative monthly budget for Chantal. Allocate any surplus to savings.

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| *Chantal’s Monthly Income and Expense* |
| *Income* | *Expenses* |
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|  |  |  |  |
|  |  |  |  |
| *Total income* | *$* | *Total expenses* | *$* |

1. What percentage of her income is Chantal putting into savings?
2. How long will it take Chantal to save up for a new computer, which she estimates will cost about $1000.00?
3. Marcel is looking for a new apartment. He works for 40 hours a week at a job that pays $14.50 an hour. He usually works 6 hours of overtime, paid at time and a half, each month. He estimates his monthly expenses as follows.

|  |
| --- |
| Expenses |
| Rent | ? |
| Utilities, phone, cable, internet | $125.00 |
| Food | $250.00 |
| Transportation | $165.00 |
| Savings for a trip to Ecuador | $300.00 |
| Loan payment | $350.00 |
| Other | $400.00 |

1. What is the maximum rent that Marcel can pay, and still be able to afford his other expenses?
2. Marcel’s trip to Ecuador will cost about $2700.00. How many months will it take him to save up for the trip?
3. Sukh works full time but is saving up for a part-time college course. He estimates that he will need $6000.00 in savings to cover extra expenses while he studies.
4. He budgets to save 15% of his salary each month. If he earns $2865.00 a month, how many months will he have to work in order to save enough money?
5. The course starts 12 months from now. What percentage of his salary will Sukh have to save per month in order to be able to afford the course?
6. Juliet’s monthly entertainment expenses are $275.99 and account for 12% of her income. She would like to reduce her entertainment spending to 8% of her income.
7. Calculate her new monthly entertainment budget.
8. Calculate Juliet’s total monthly income.