Lesson 6.4 Designing a Budget

Goal: Interpret and create a monthly budget

- Income is the money you earn. Expenses are the money you spend.
- income and expenses.
- Budgets are used as a tool in financial planning:
 - o To make sure you don't **Spend** more than you **earn**

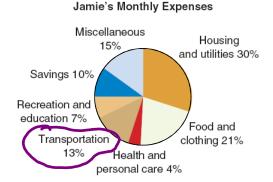
 - o To help you focus your spending on the things that are most
- per month Monthly amounts can then be Personal budgets are usually planned multiplied by \(\bigcirc \alpha \) to determine annual amounts.
- Income and expenses are recorded by type of income or expense. Money set aside for the future is called __ and is shown as an expense.
- The **balance** of a budget is the difference between total expenses and total income.
- If the balance is *negative* you are spending ______ than you earn. You need to adjust some expenses so that the balance is zero. This is called **balancing** the budget.

Example 1 Interpreting a Budget

This pie chart shows Jamie's expenses for one month. The total dollar value of Jamie's monthly expenses was \$3 000.

a) How much did she spend on transportation?

\$3000 x 0.13 - **\$**390



b) How much did she spend on her top two expenses combined?

Food and clothing: $$3000 \times 0.21 = 630 Housing and whitnes: $$3000 \times 0.30 = 900 Total = \$630 + \$900= \$1530 Page 1 of 3

Example 2 Designing a Budget

Anika needs to save \$7 500 over the next 12 months to start her own small business. Her monthly income after payroll deductions is \$3 000. She earns an average of \$50 a month from investments. She prepares the following list of her expenses.

- a) Which costs are fixed? Which costs are variable? Label them on the list.
- **b)** Convert all amounts to monthly amounts. ROUND all values to the nearest DOLLAR.

Kent: \$850 Elec: \$75

Phone, etc: \$105

kcence: $\frac{$75}{12} = 6.25

Insurance: \$420 = \$210
Gas: \$150

Anika's Expenses Housina \$850 for rent each month, which includes heat and water Fixed an average of \$75 each month for electricity • \$105 a month for a phone/cable/Internet bundle Transportation monthly car payment of \$420 • annual vehicle licence fee of \$75 • \$420 for car insurance twice a year • \$150 a month for gas • \$30 every three months for oil changes \$450 per year for maintenance and repairs Other \$250 for groceries \$200 for clothes and personal care • \$100 a week for restaurant meals 💙 • \$20 automatically deducted from her bank account for charitable donation

Grocenes: \$250

Clothezete: \$200

Restaurant: \$100×4

- c) Are there expenses that you think Anika has forgotten to include? Explain. Estimate the monthly amount for any missing expenses.
 - · Fun (movies, etc)
 - · Memberships (gym)
 - · Books, school supplies

- d) Create a monthly budget that shows fixed and variable expenses in each budget category. Group items where appropriate. Include any estimates from part c.
- e) What percent of Anika's costs are fixed? Why is this important?

3695	x100 = 7659
4828	X100 = 76,5%
	licenee;

f) Can Anika meet her savings goal with her current income and expenses? If not, in which categories might she be able to cut back on costs?

	Monthly Amount (\$)		
INCOME	Fixed	Variable	Total
Salary	3000		3000
Investments	20		80
Total Income	3050		3050
EXPENSES			
Housing			
Rent	850		
Utilities		55 T	
Phone/Cable/Internet	105		
Subtotal	955	75	1050
Transportation Conc		79	
G ar Payment	420		
Fuel Costs		150	
Insurance	4		
Other	16.25		
Subtotal	2115	188	2303
Food			
Groceries		250	
Eating Out		400	
Subtotal		620	650
Other			
Clothing/Personal		200	
Entertainment			
Charitable Donations		2	
Subtotal		Rau	220
Savings	625		623
Total Expenses	3695	1133	4828
BALANCE =	Total Income –	Total Expenses	1778

Expenses or Earn more, By How did the budget help you answer parts e and f? Explain.