

Warm-up Activity

How do you monitor the financial health of your household?

Do you know here you spend your money and why you spend it?

Do you have a budget for every dollar you earn?

Do you pay close attention to your bank statements, or do you pretty much go by what's provided as your current account balance?

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Vocabulary

accounts payable

current ratio

Here is the vocabulary for this module.

accounts receivable
asset
cash flow statement
cost of goods sold (cogs)
current assets
current liabilities

debt ratio debt-to-equity ratio expenses financial ratios gross profit marketable security
operating ratio
owner's equity
pre-tax profit
quick ratio
return on sales
revenue

liquidity
long-term assets

liabilities



Key Learning Objectives

Now we will learn what goes into financing a business and analyzing those financials. Our objectives for this module are:

- Describe how to utilize income statements (profit and loss statements) and analyze an example income statement through a ratio calculation
- Build a balance sheet using example data
- · Identify multiple financial statements
- Calculate a financial ratio from an example balance sheet







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Income Statements

Income statements show how much income you are getting from your business and are a good indicator of how well it is doing if you know how to analyze it using **financial ratios**.





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Sales-Data Analysis

When you see how much money your business has brought in, you can use that information to determine what you can buy, how many people you can hire, and in general what you can afford in the immediate sense.

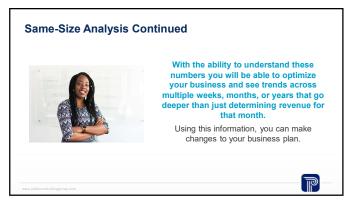
If you collect your income statements across a long period of time and graph your data, you will start to see patterns or "trends" in the data and you can use this information to determine how your business might fare in the future.

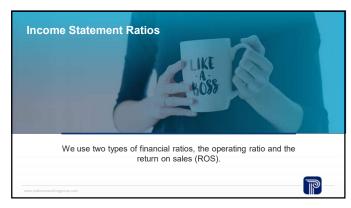






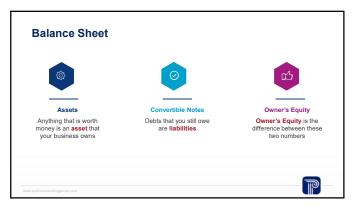
Income Statement	Amount (in dollars)	Calculation	% of Sales
Revenue from sales	\$15,000	(\$15,000+\$15,000) x 100	100%
cogs	\$7,000	(\$7,000÷\$15,000) x 100	47%
Gross Profit	\$8,000	(\$8,000÷\$15,000) x 100	53%
Expenses	\$3,700	(\$3,700÷\$15,000) x 100	25%
Pre-Tax Profit	\$4,300	(\$4,300÷\$15,000) x 100	29%



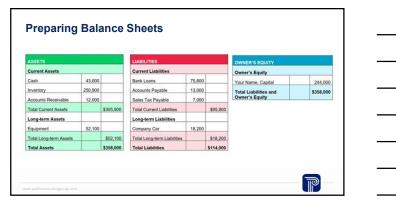










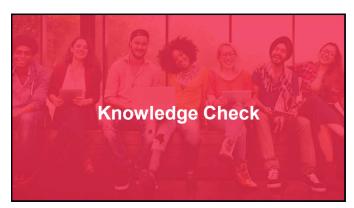


	AXEETE	- 77	in dil	2011	r (B)	g sharing
	Current Assets					
Duanavina Dalamas Chasta	Cash	43,000		30,000		-05
Preparing Balance Sheets	mentry	250,800		300,000		420%
	Accords Receivable	12,000		11,000		130%
	State Current : Assets		\$305,900		\$353,000	15%
Old Amount - New Amount = Difference	Long-term Axaets					
[Difference / Old Amount] x 100 = Change (%)	Equipment	52.100		85,000		+62%
	Solul Long- turn Assats		\$52,100		85,000	105
	Total Assets		\$368,000		\$436,000	+22%
	LIMBUTER					
	Current Liabilities					
	Dankcoom	. 75,800		79,000		- 25
	Accounts Payatro	13,000		5,000		60%
	Solos San Payable	7,000		9,000		1275
	Total Current Labition		\$95,000		\$64,000	195
	Long-term Liabilities					
	Company Car	10,200				-100%
	Total Long- toris Liebilities		\$18,200		0.	100%
	Total Liabilities		\$114,000		\$64,000	-26%
	CHRISTIE B EQUATY					
	Owner's Equity					
	You Name, Capital		344,000		354,000	16%
publicconsultinggroup.com	Total Liabilities and Owner's County		\$364,000		438,000	+22%



Cuick Ratio and Current Ratio Liquidity is the ability to quickly turn assets into money A marketable security is an investment that can be turned into money quickly Quick ratios include cash and cash equivalents, marketable securities, and accounts receivable Current ratios include all of your current assets





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(a) Match the term with the correct definition:

An investment (such as a stock or bond) that can be turned into money quickly

Debts that take longer than a year to pay off; this can include the mortgage on a business building

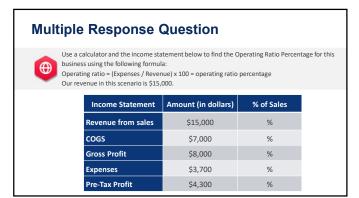
Expenses divided by revenue, multiplied by 100; how much revenue is being spent, per dollar, to cover expenses

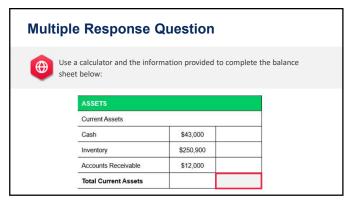
Current assets divided by current liabilities; determines how many times over you can pay your debt and includes cash and cash equivalents, marketable securities, accounts receivable, inventory, and prepaid expenses

Terms:
Current ratio
Long-term liabilities
Marketable security

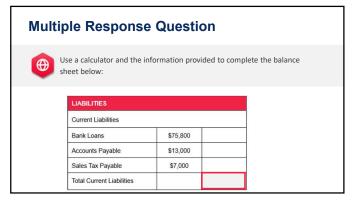
Operating ratio (%)

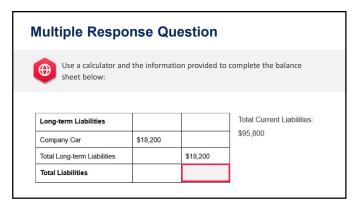
Multiple Response Question	
Describe how to utilize income statements. Select the best answers below.	
Ensures the company is on track with their spending by aligning with the budget line items Show if the company is generating a profit or loss for a specified period Show how much income you are getting from your business Use it to calculate the cost of goods sold	





/lultiple Respo	onse Qu	estion	
Use a calculator an sheet below:	d the information	on provided to c	omplete the balance
Long-term Assets			Total Current Assets:
Long-term Assets Equipment	\$52,100		Total Current Assets: \$305,900
	\$52,100	\$52,100	





	se Question	
Use a calculator and the sheet below:	ne information provided t	o complete the balance
OWNER'S EQUITY		Total Assets: \$358,000
OWNER'S EQUITY Your Name, Capital	\$244,000	Total Assets: \$358,000 Total Liabilities: \$114,000



Reflection At the beginning of this module, we asked you to take a moment to reflect on your household financials. Now we'd like you to answer the same questions while focusing on your business. What tools do you anticipate using to monitor the financial health of your business? How will you know where you spend your money and why you spend it? Will you be able to create and manage an accurate budget? How can you take what you've learned in this module and apply it to your household? How do you believe you will benefit by doing so?

Compare and Contra	ast	
ake a moment to reflect on nswers. What we learned about:	your learning and compa	aring and contrasting your
		Cash flow statement

Independent Practice

This week you should use the information in this module to develop your own business. Create a list of start-up costs and decide which option is best for you to finance them. Estimate figures for your business in order to carry out income statement analysis (including sales-data analysis, same-size analysis, operating ratio, and return on sales), and also create a balance sheet with all types of assets and liabilities (again, using made-up figures). Conduct same-size balance sheet analysis for that same company five years later and find the four balance sheet ratios for the most current year. Creativity is encouraged, but try to be realistic.

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Today we learned how to explain how profitable a business is in terms of how much you have invested.

We learned how to utilize income statements (profit and loss statements) and analyzed an example income statement through ratio calculations.

We learned the parts of a balance sheet.

We described multiple financial statements.





Accounts Receivable Money owed to the business by customers who paid for its products/services with a credit

	Asset Anything worth money that a business owns	
1		

A report that shows all cash coming in and going out and shows whether or not the company has enough cash on hand to cover all of their expenses each month

Cash Flow Statement

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Current Liabilities

Debts that must be paid in under one year; this includes short term debt and accounts payable

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Current Ratio

Current assets divided by current liabilities; determines how many times over you can pay your debt and includes cash and cash equivalents, marketable securities, accounts receivable, inventory, and prepaid expenses

	Debt Ratio (%)	
	A business's total debt (liabilities) divided by its total assets, multiplied by 100	
	Total debt / total assets x 100	
(-		

Debt-to-Equity Ratio (%)

A business's total debt (liabilities) divided by the owner's equity, multiplied by 100

Total debt / owner's equity x 100

Expenses

Money you expend to run the company

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	Financial Ratios	
	Various percents, ratios, or fractions you receive by interpreting financial data from your business	
←		

Gross Profit

A business's revenue minus its cost of goods; how much money the business made selling its good after accounting for how much they cost

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	Liquidity	
	The ability of its assets to be turned into money quickly and easily	
(-		

Long-term Assets

Assets that take longer than one year to sell and convert into money; this includes long term investments and equipment

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Long-term Liabilities

Debts that take longer than a year to pay off; this can include the mortgage on a business building

	Marketable Security
	An investment (such as a stock or bond) that can be turned into money quickly
(

Operating Ratio (%)

Expenses divided by revenue, multiplied by 100; how much revenue is being spent, per dollar, to cover expenses

Expenses / revenue x 100

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Owner's Equity

Assets subtracted by liabilities; shows how much a business is worth

Assets - liabilities

	Pre-tax Profit	
	Gross profit minus expenses; how much profit is made before taxes are taken out	
	Gross profit - expenses	
←		

Quick Ratio

Cash, marketable securities, and accounts receivable divided by current liabilities; determines how many times over you can pay your debt and only includes cash and cash equivalents, marketable securities, and accounts receivable

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Return on Sales (%) Net profit divided by revenue, multiplied by 100; a ratio that shows how much revenue is being received as profit once COGS and expenses are taken out