KEUSAL LEARNING

ANALYZING REPAYMENT SOURCES

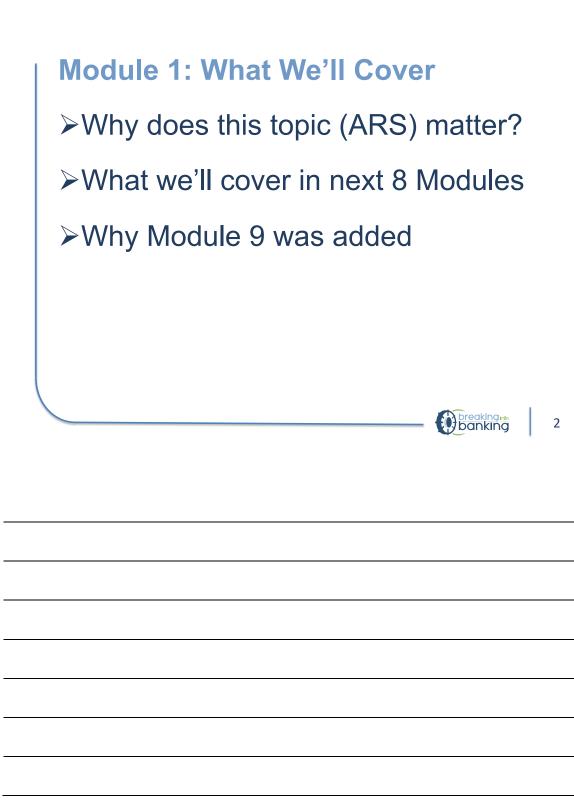
COURSE WORKBOOK

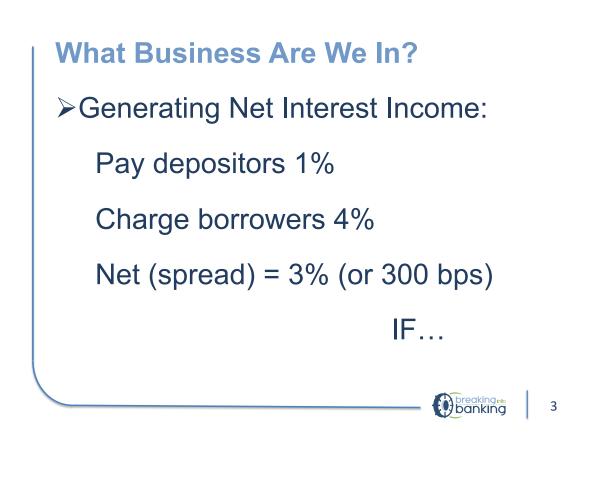


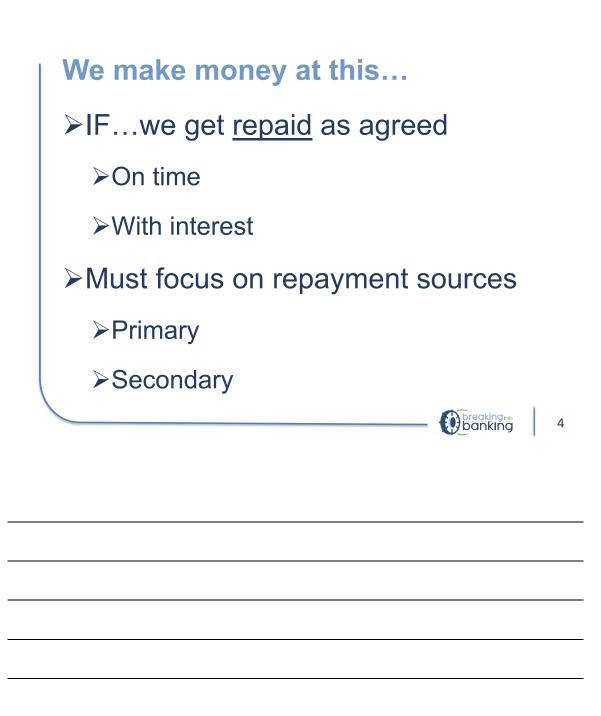
Important Notice

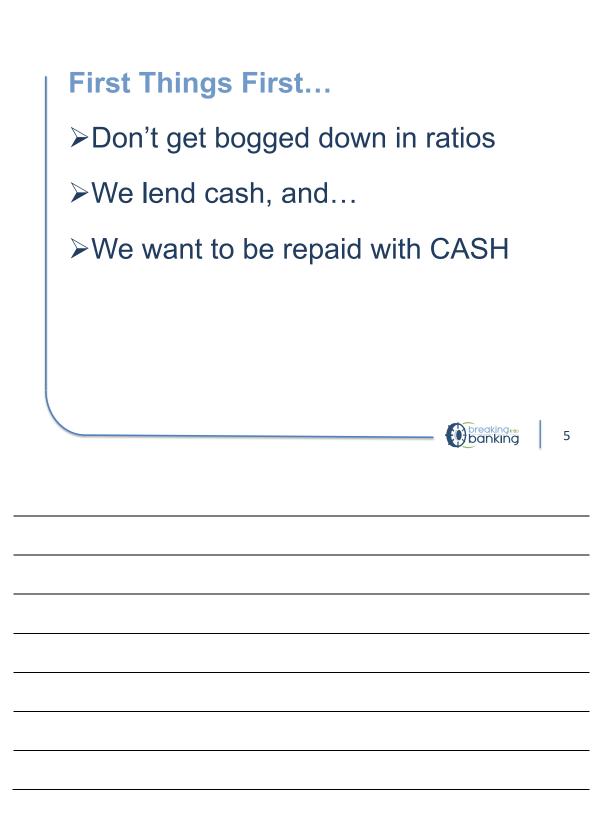
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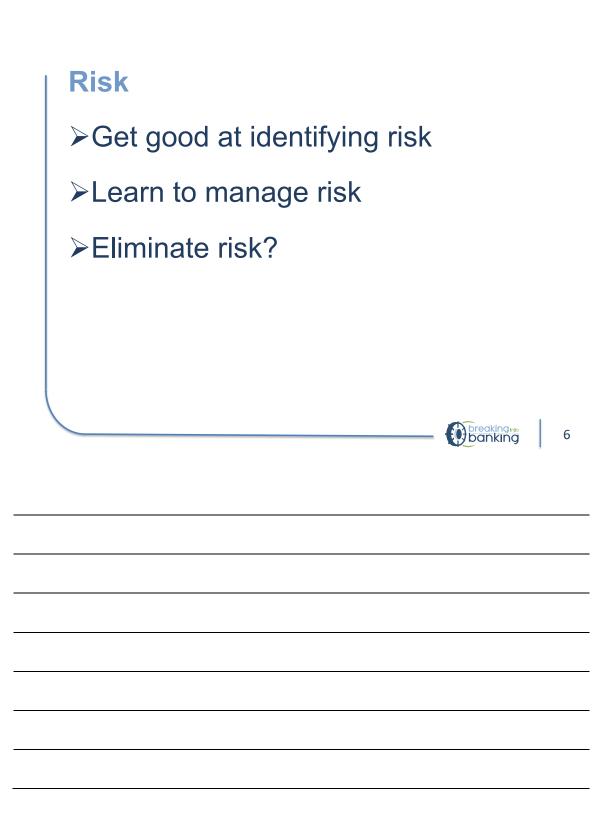
breaking into banking	
<u>Analyzing</u> <u>Repayment</u> <u>Sources</u>	BREAKING Into BANKING
Module 1	
Introduction and Overview	ANDY KEUSAL



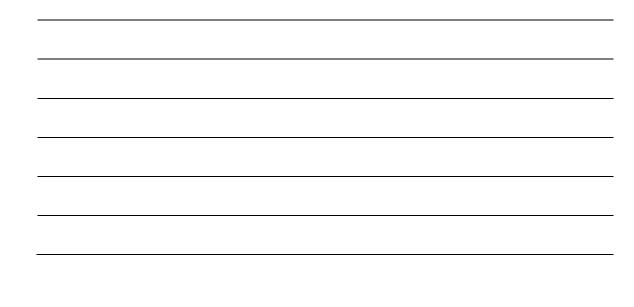




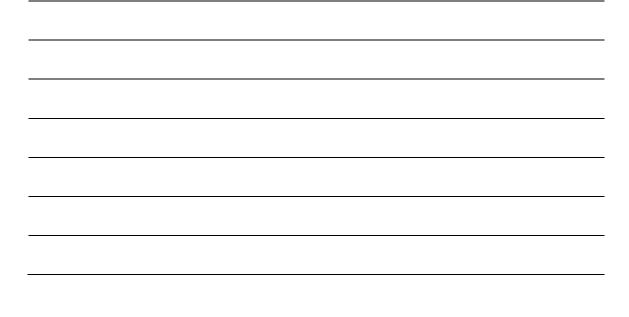






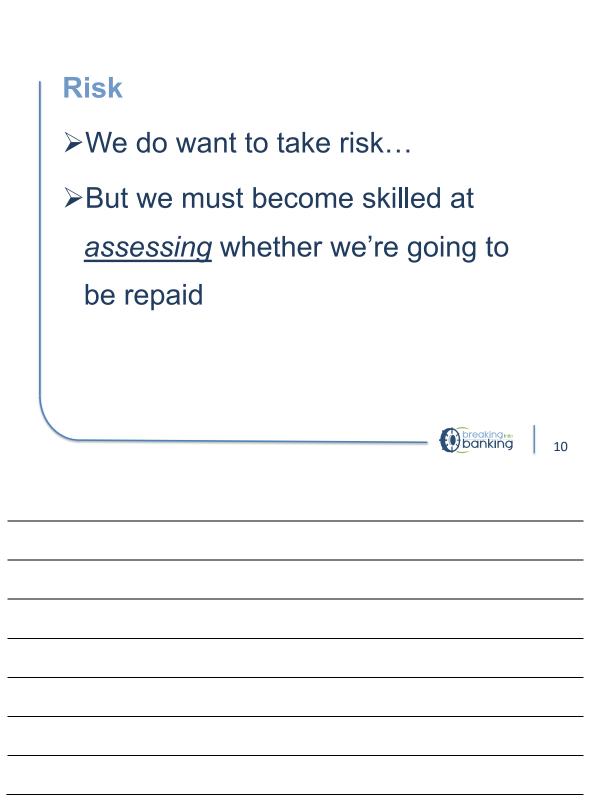


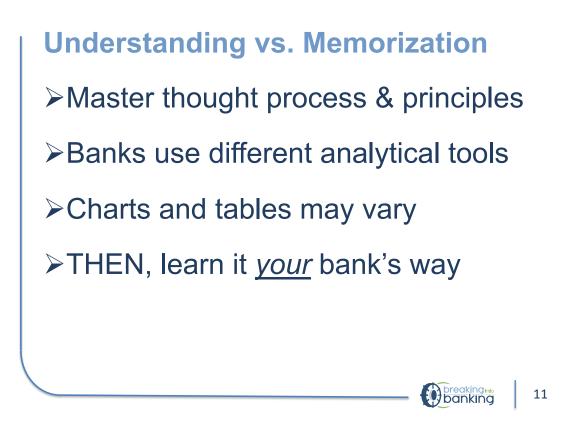




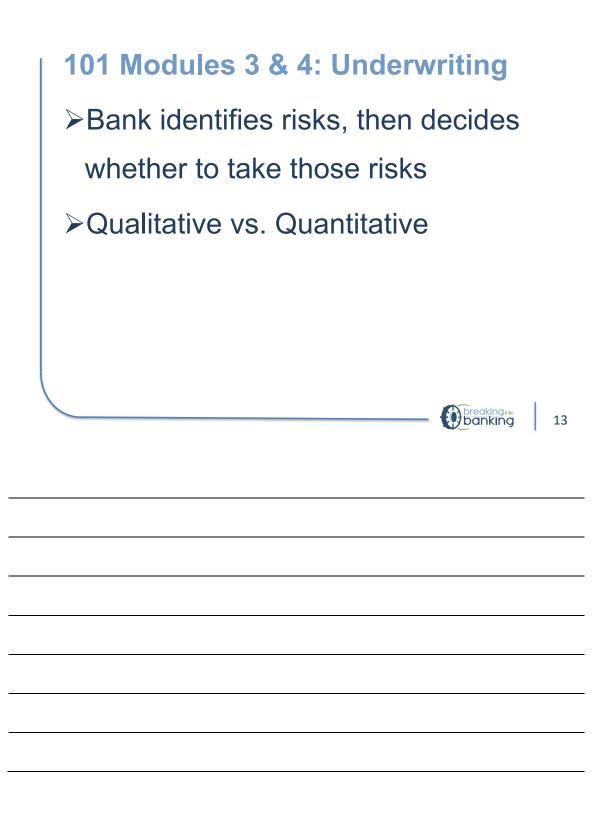
Because It Pays Well!

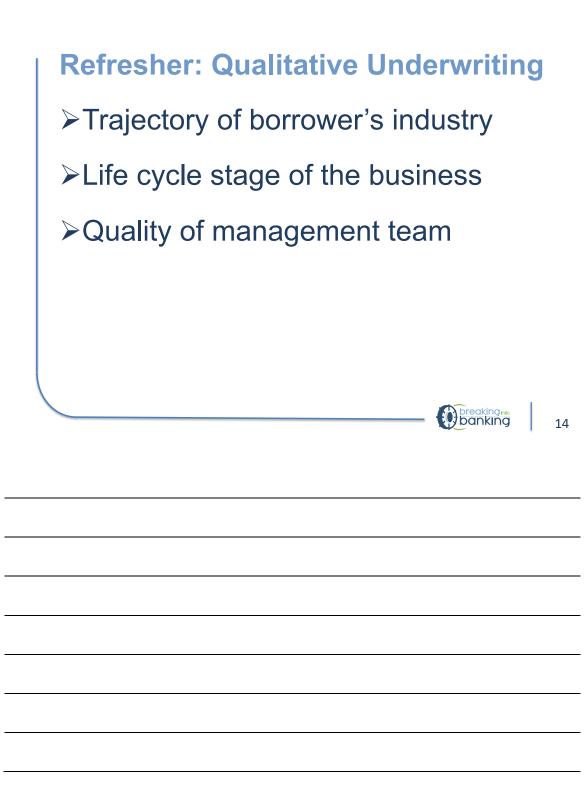


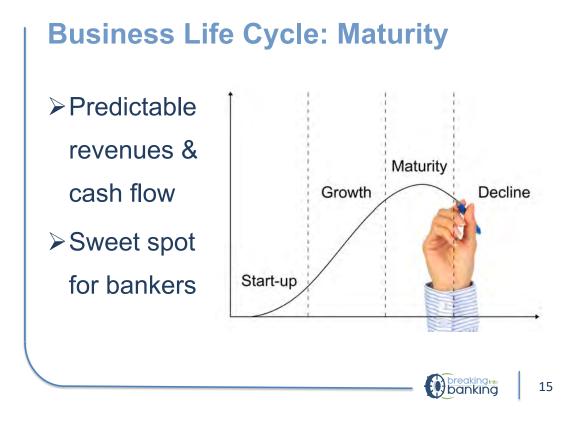






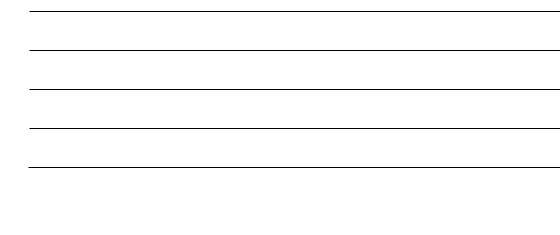


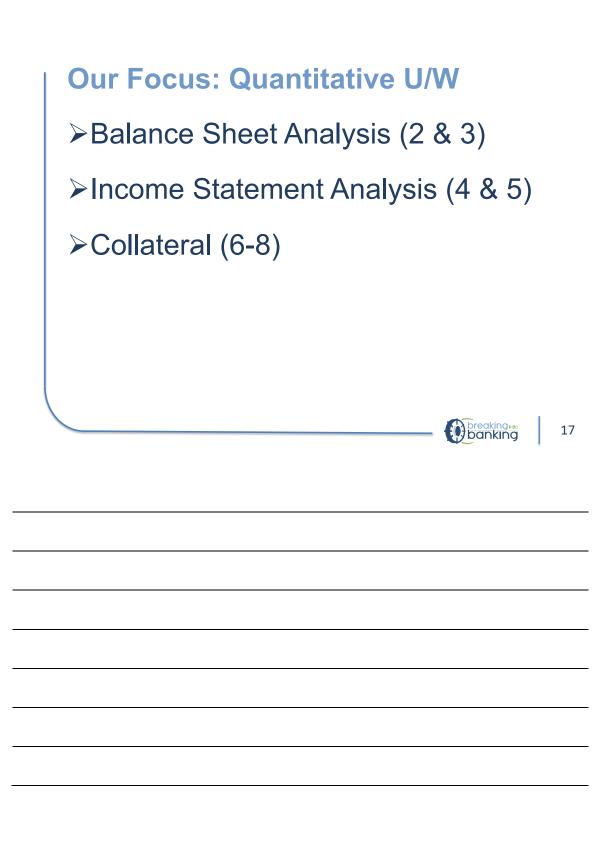




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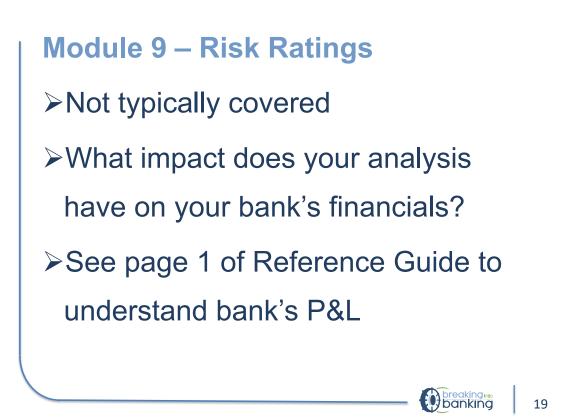




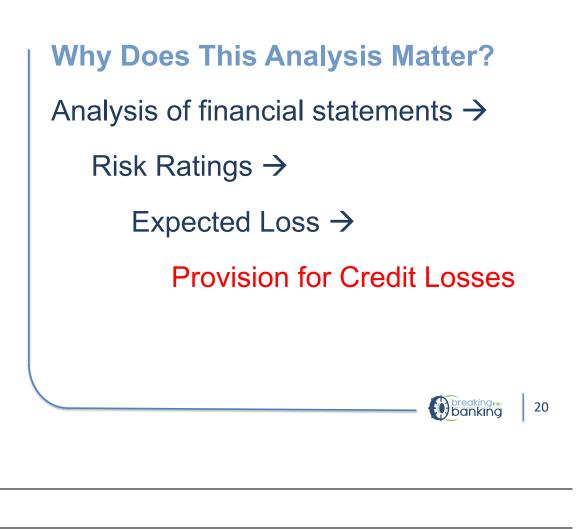
Sources of Repayment
Primary:

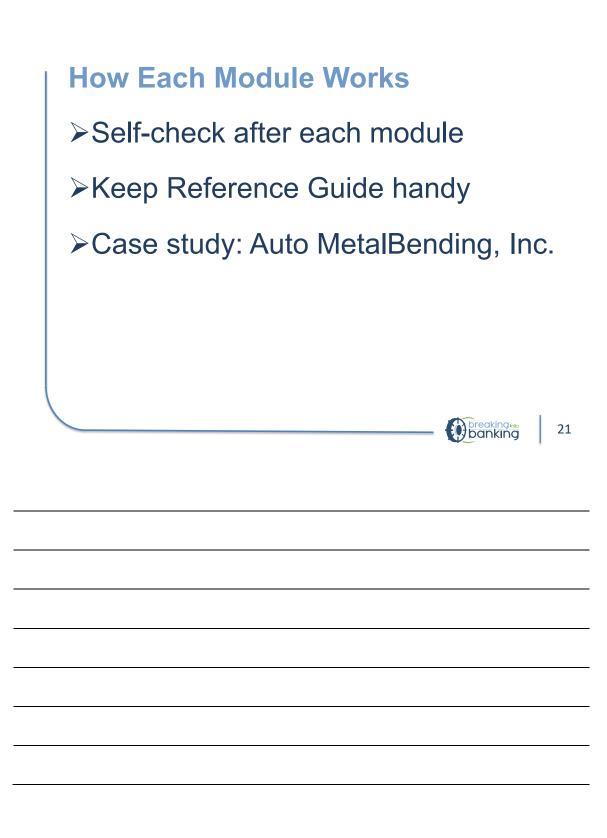
Cash flow from operations
Converting current assets to cash
Secondary: liquidating collateral
Guarantees – covered in 101

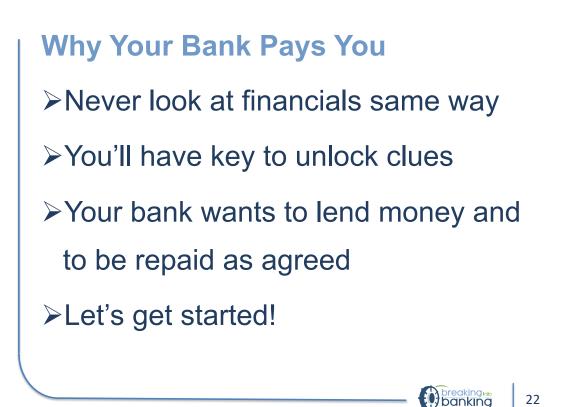
Covenants – not repayment source

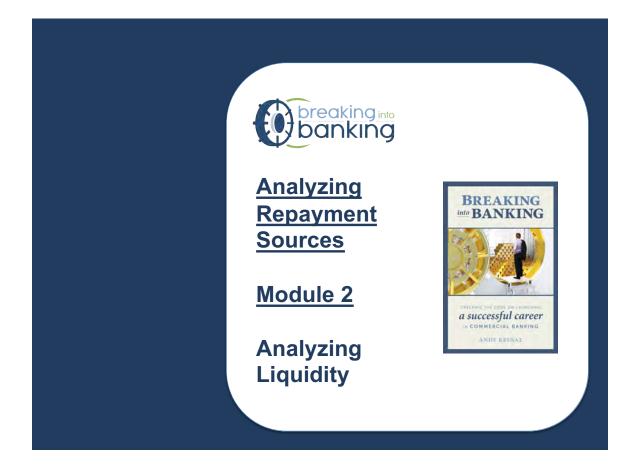


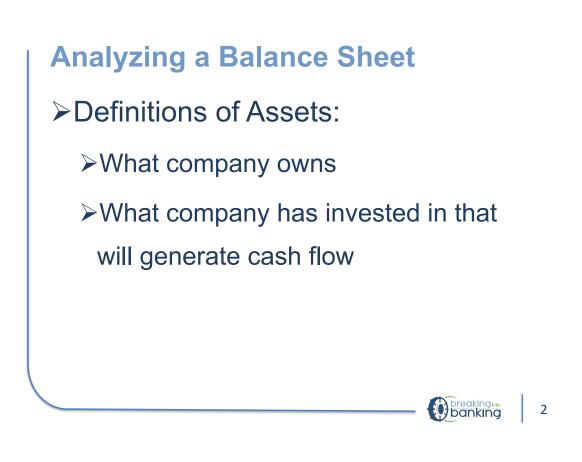


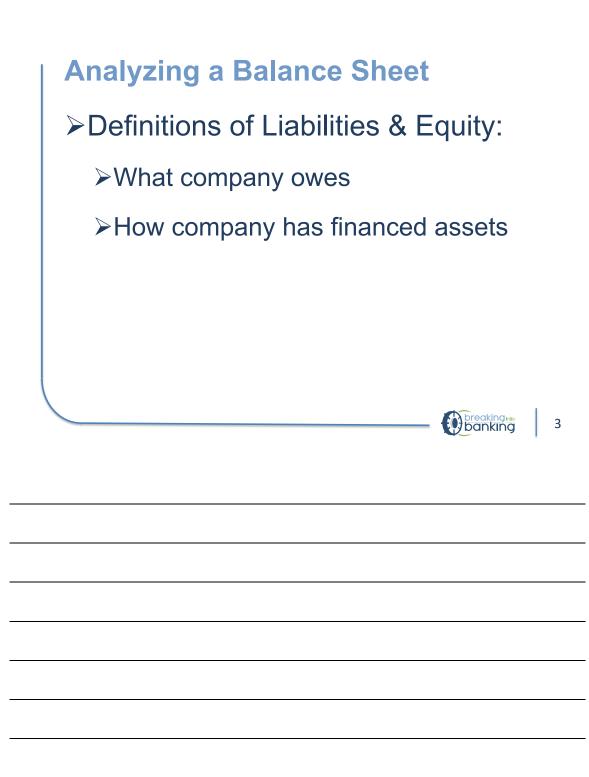


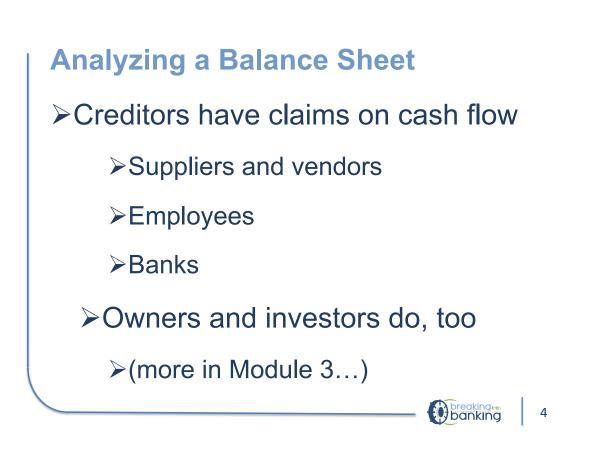


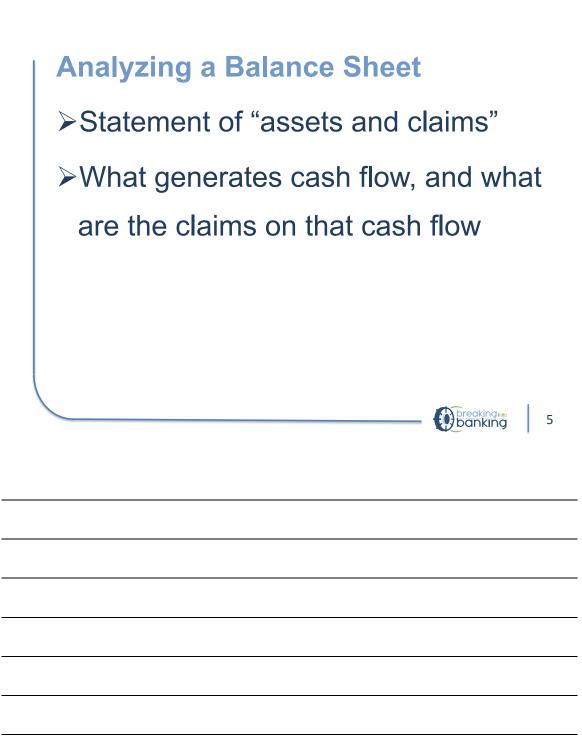


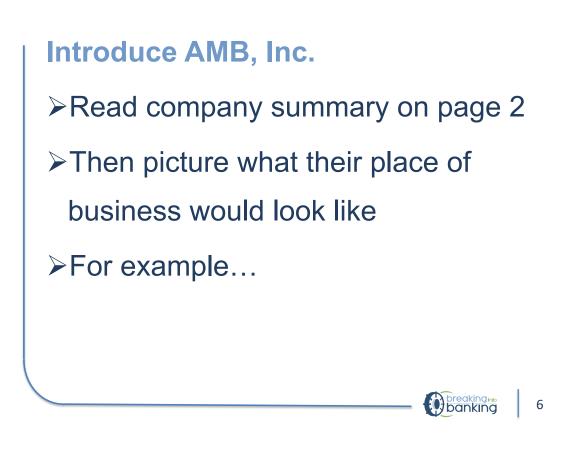












Financing a Law Firm?

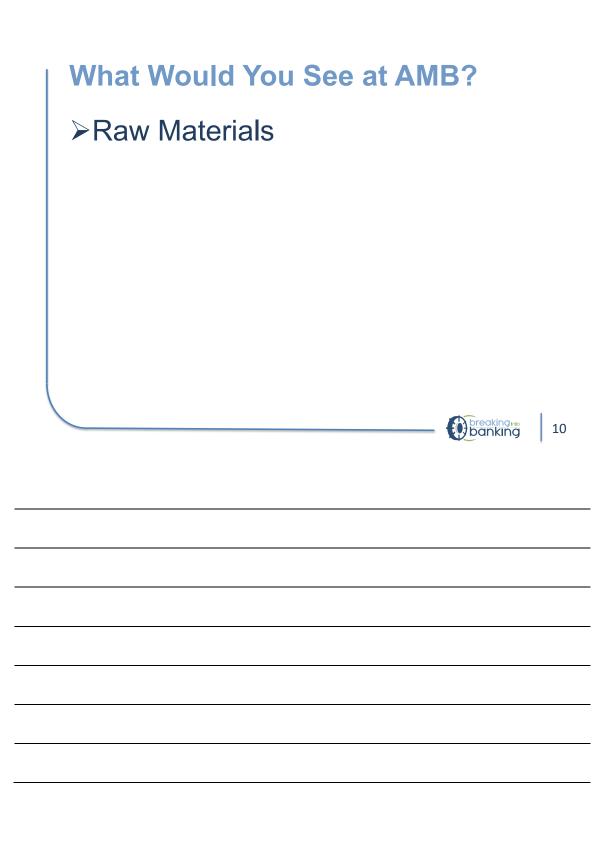


7

Financing a Retailer?



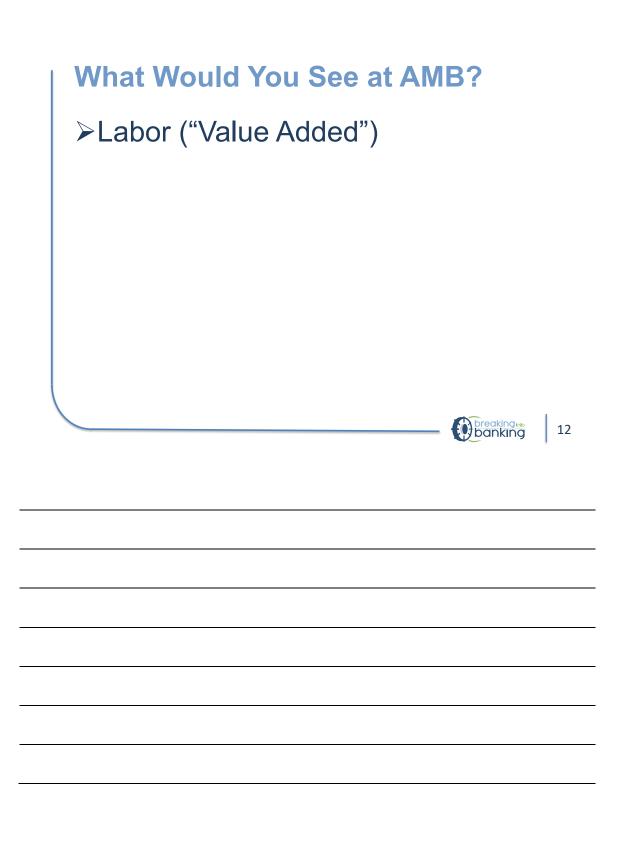
8



What Would You See at AMB?



11





What Would You See at AMB?





What Would You See at AMB?

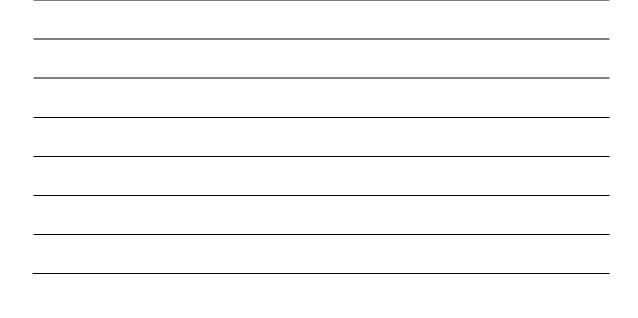


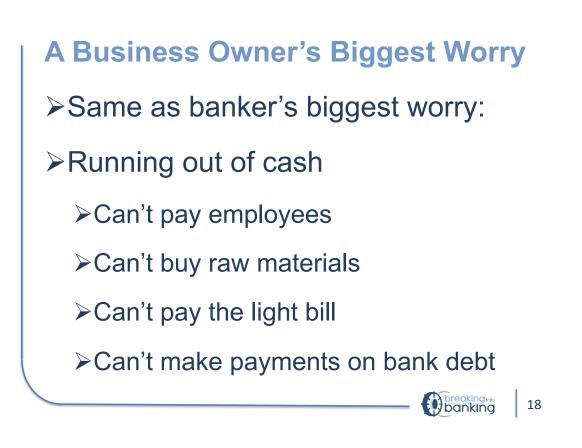


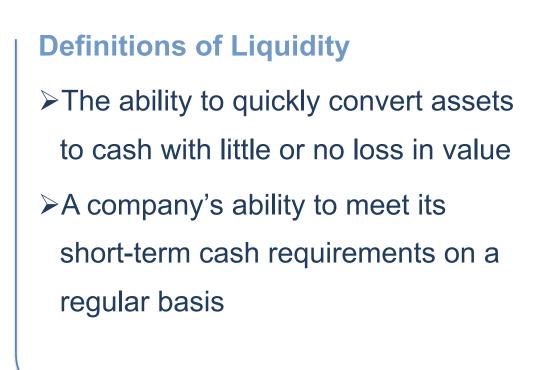
17

What Would You See at AMB?

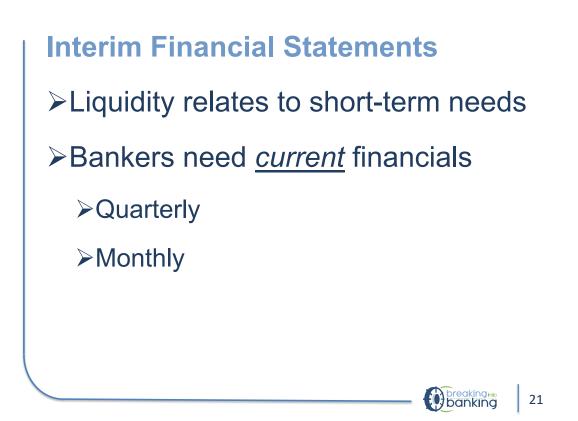


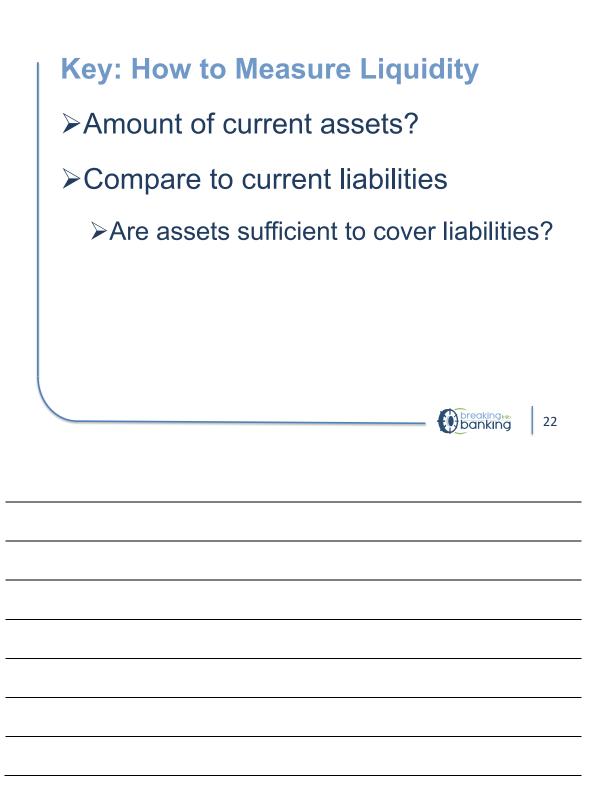


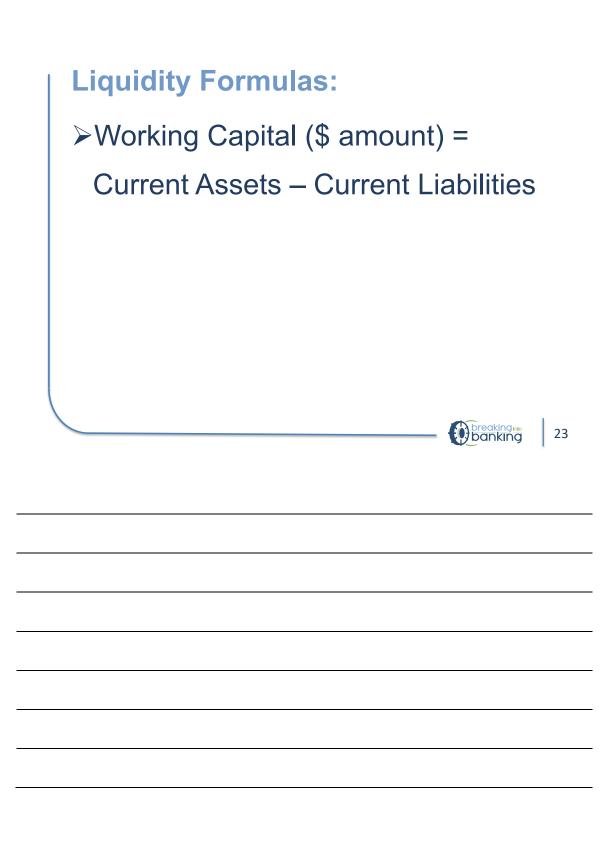


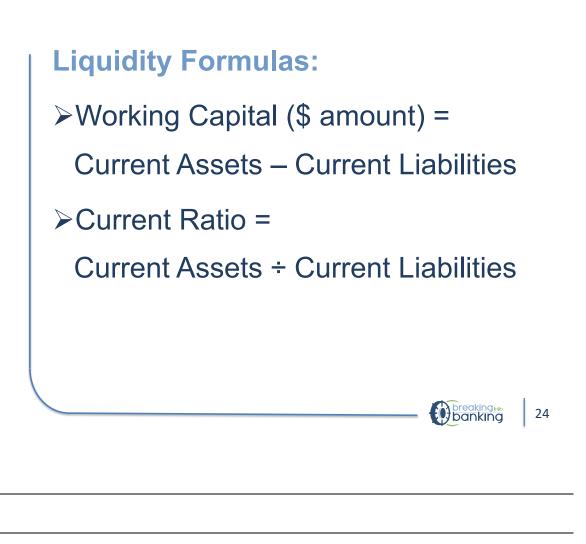


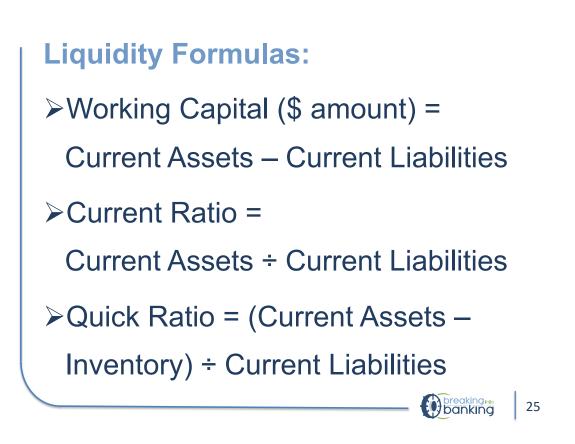




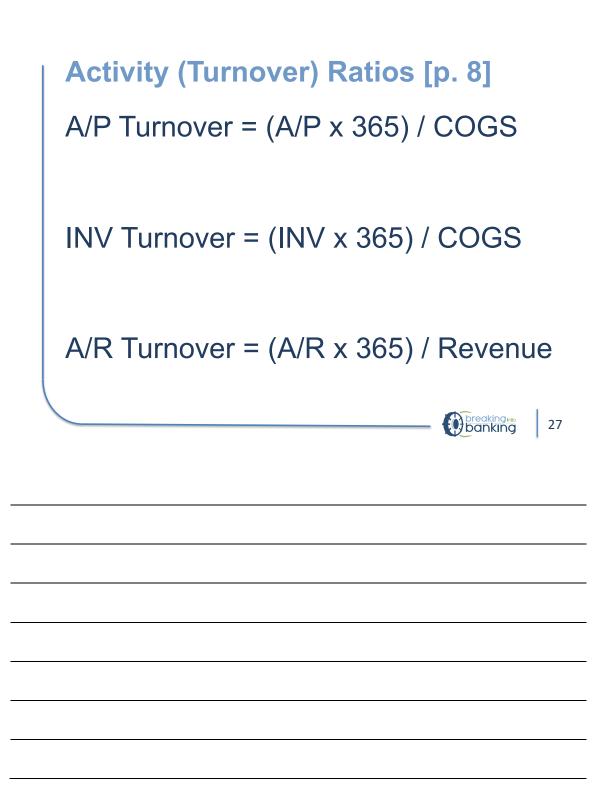


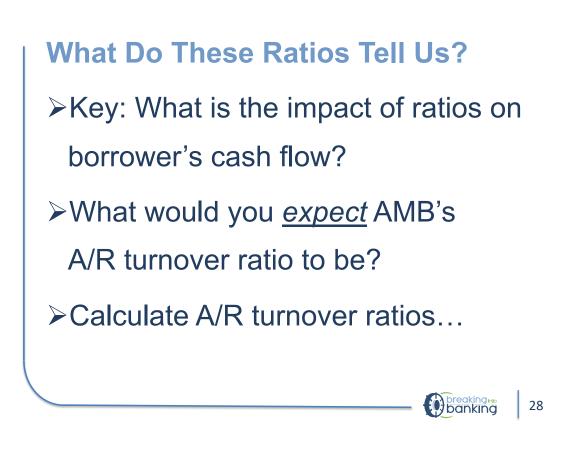


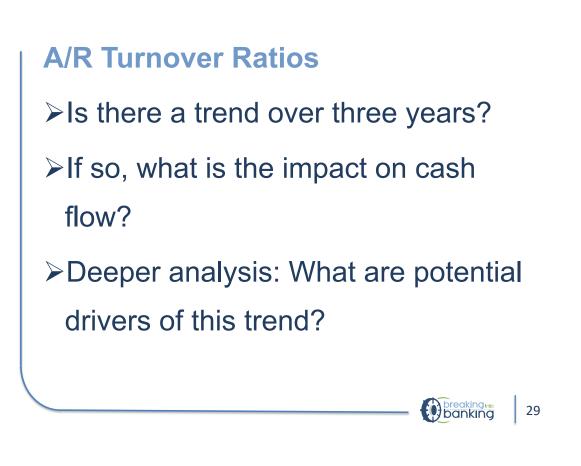


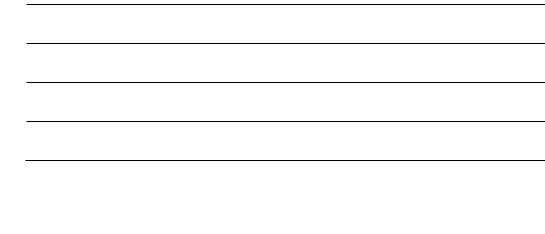


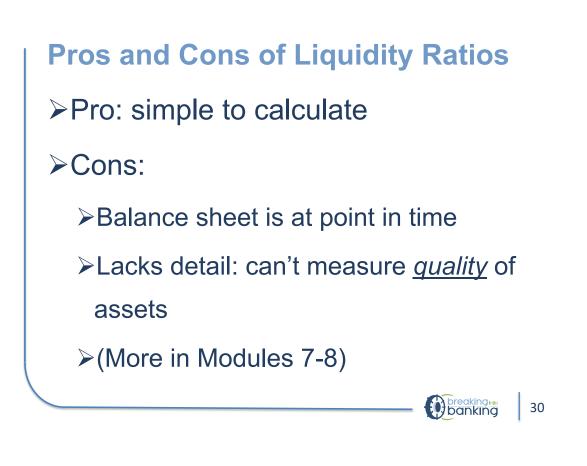
Activity (Turnover) Ratios [p. 8] All three are similar calculations:		
Balance Sheet account x 365		
Income Statement account		
26		

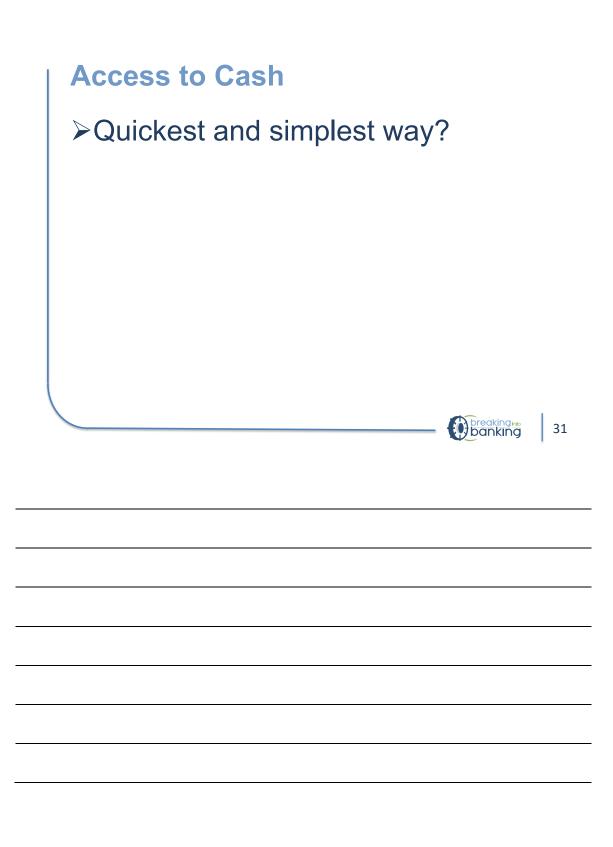






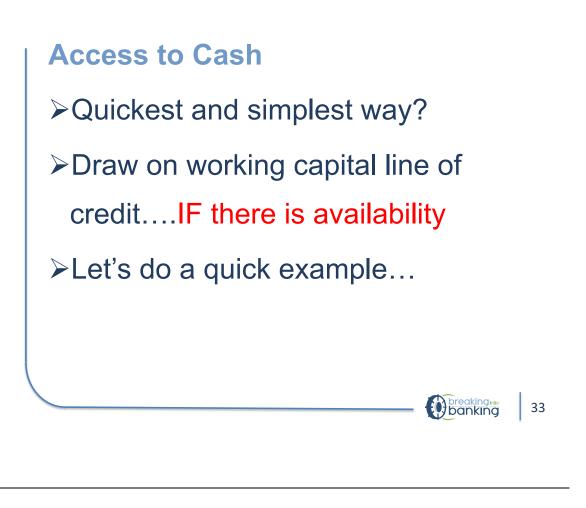


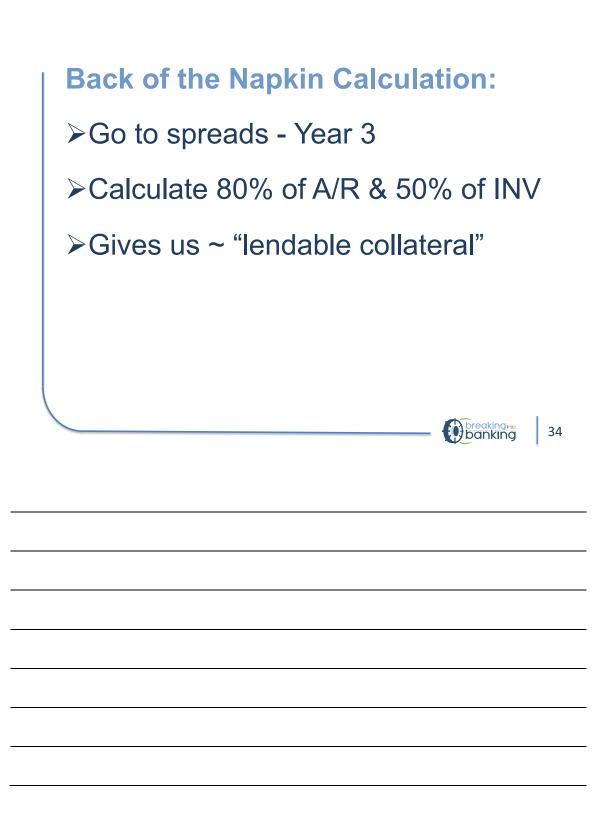


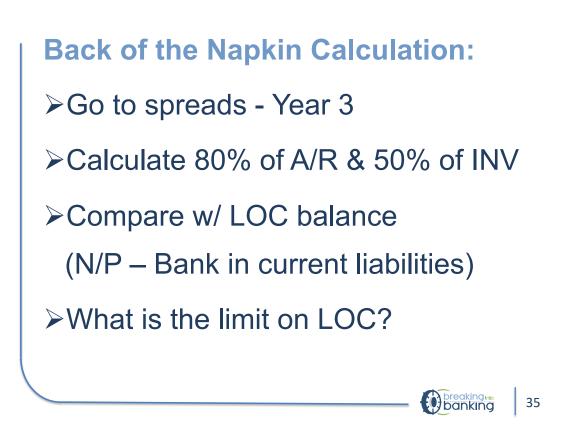


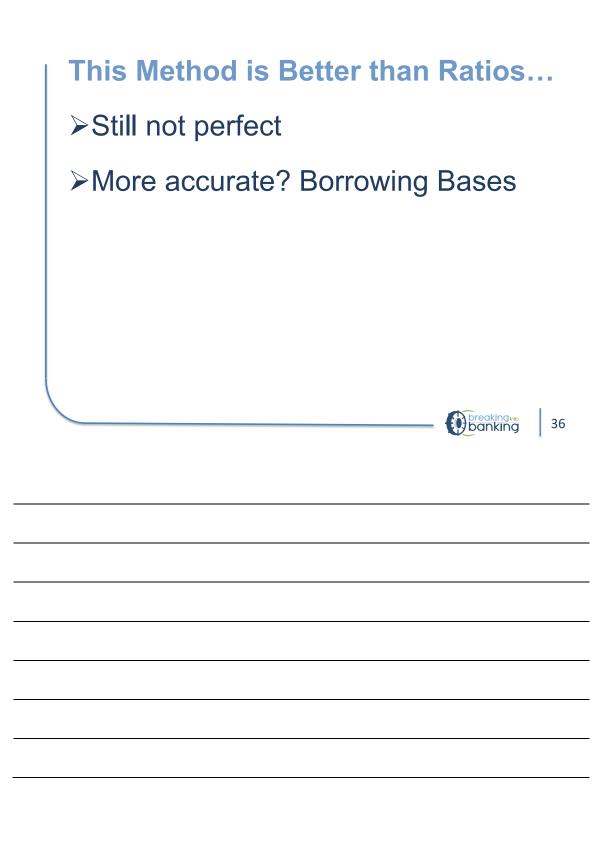
Access to Cash		
➢Quickest and simplest way?		
Draw on working capital line of		
credit		

breaking me banking

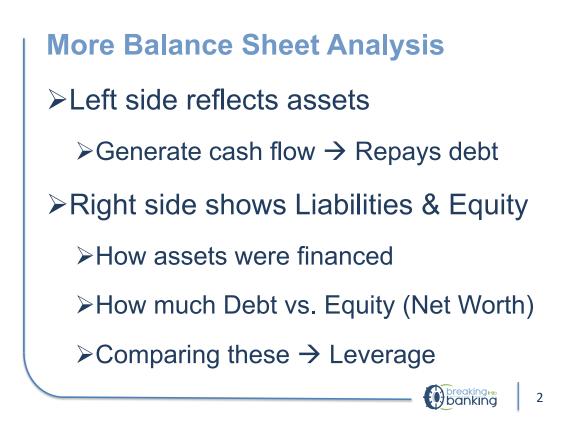






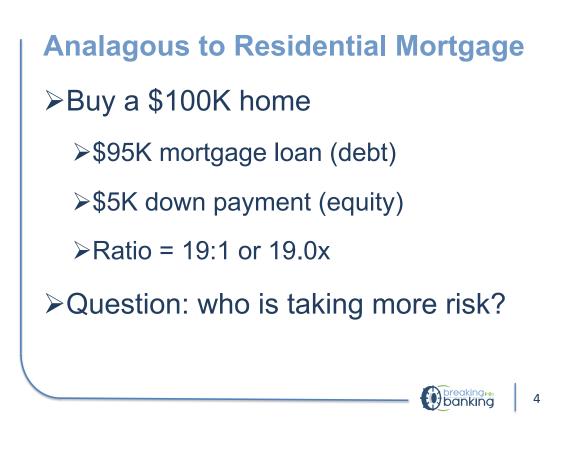


breaking into	
<u>Analyzing</u> <u>Repayment</u> <u>Sources</u>	BREAKING MIN BANKING
Module 3	
Analyzing Leverage	ANDY SEUSAL

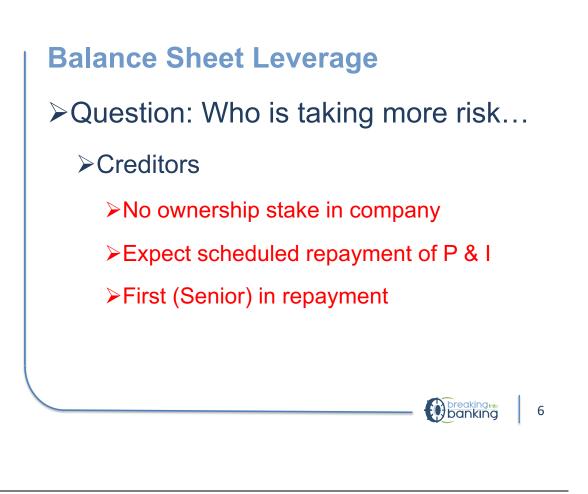


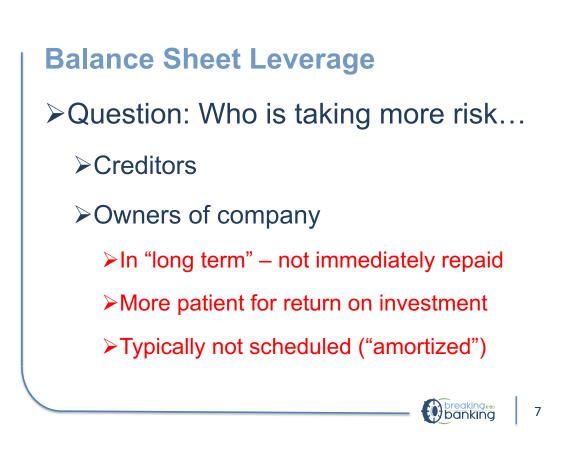






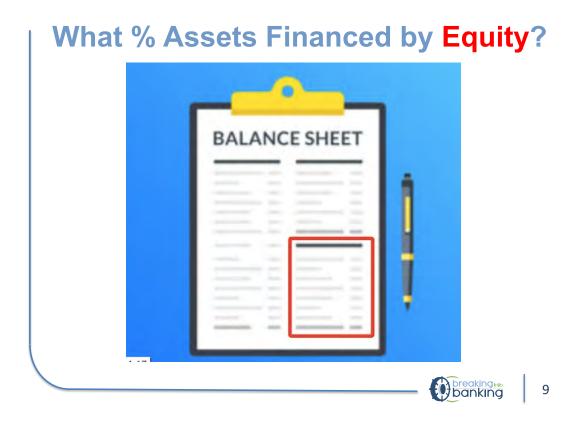




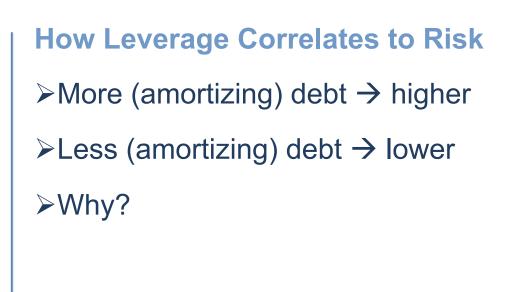






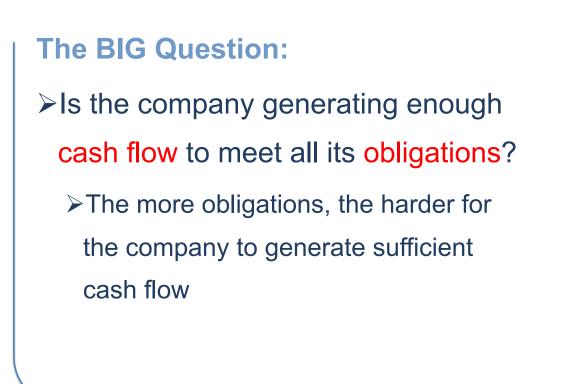






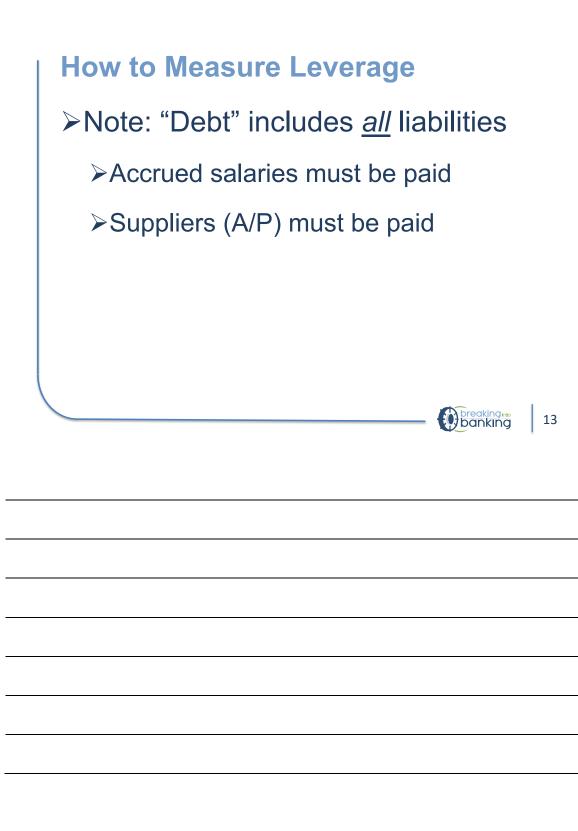


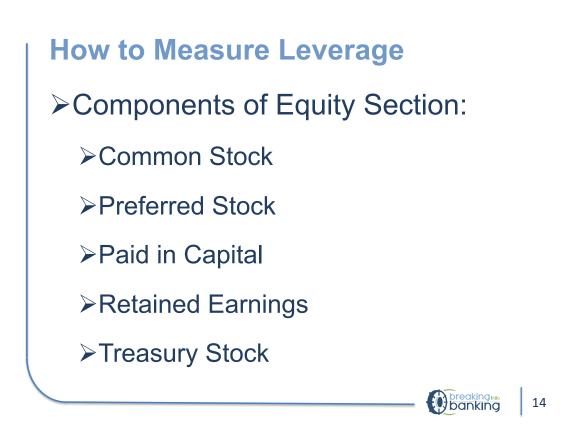
How Leverage Correlates to Risk
More (amortizing) debt → higher
Less (amortizing) debt → lower
Why? Debt payments are required

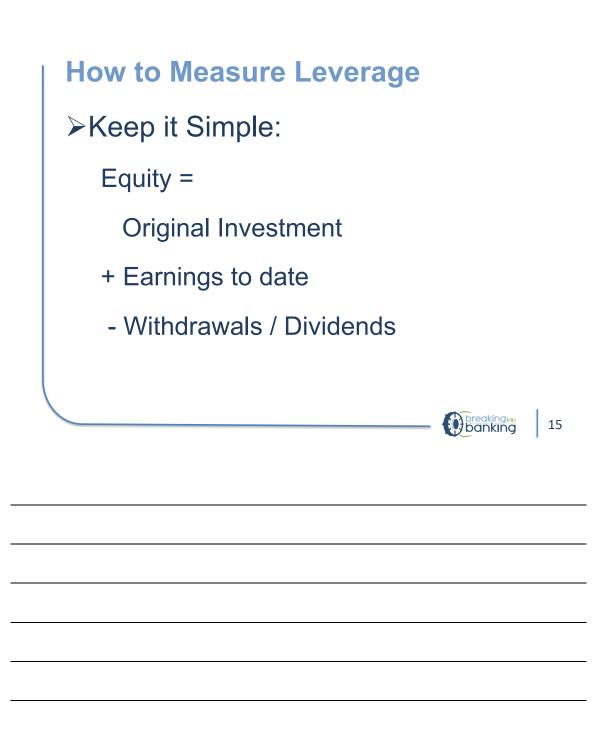




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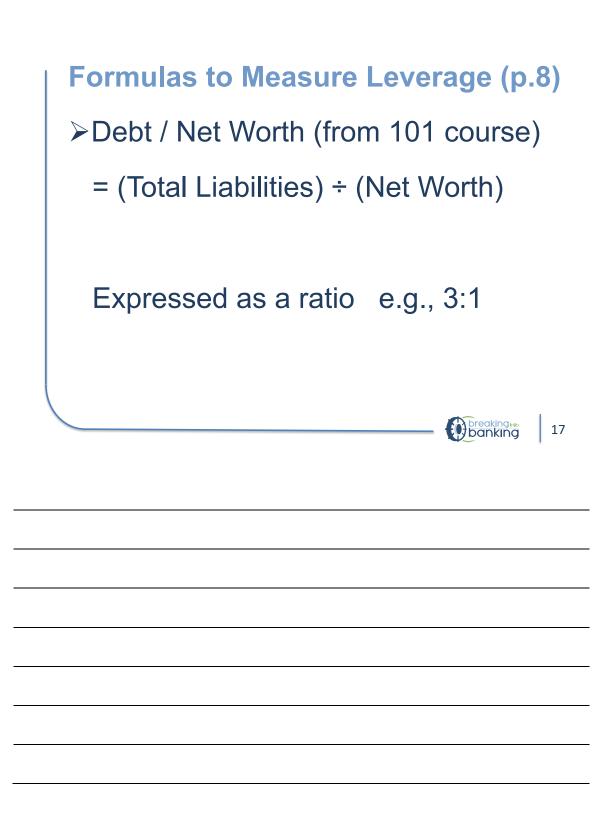


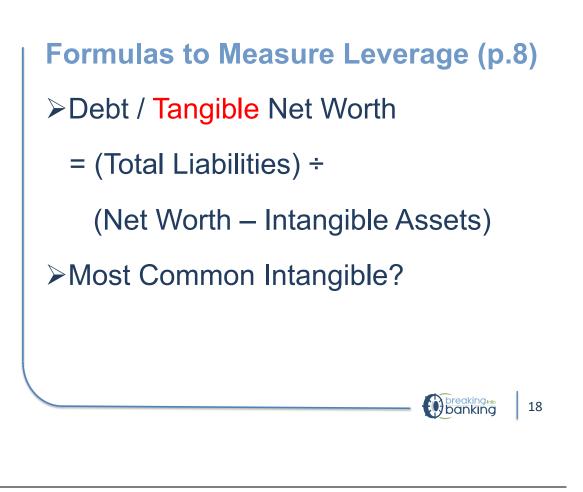


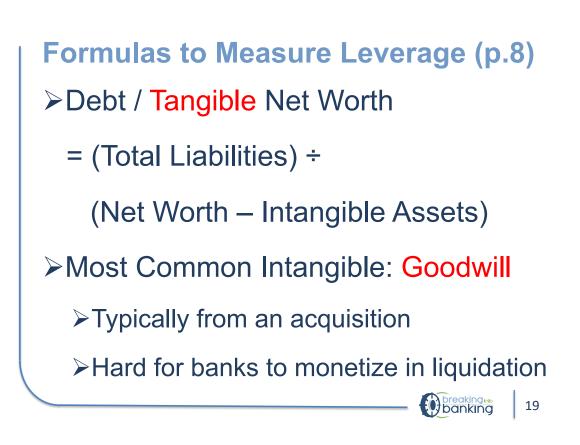


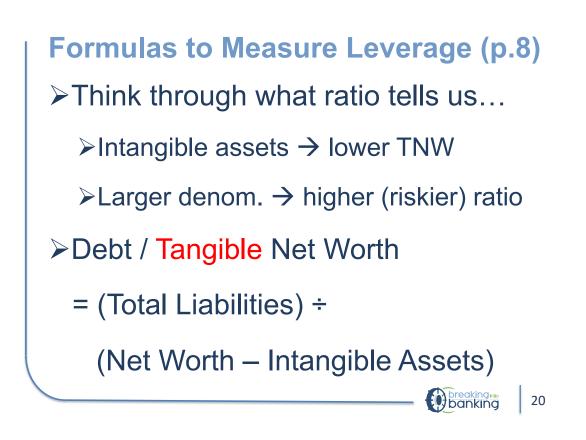
Reconciling Retained Earnings (p.5)

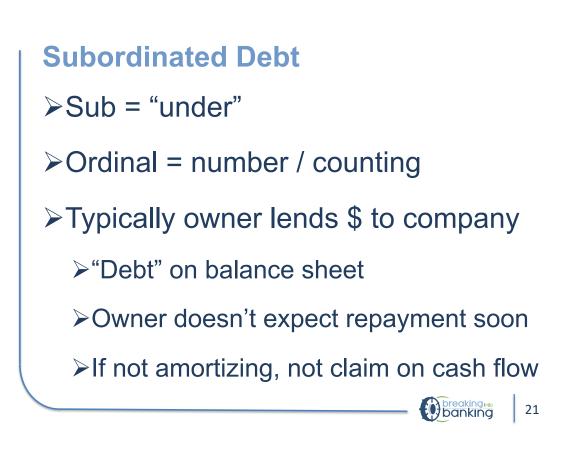
BEGINNING RETAINED EARNINGS Net Profit	17,854 1,232	18,347 1,700	
Dividends - Common	739	1,020	
ENDING RETAINED EARNINGS	18,347	19,027	
	C	Τ.	

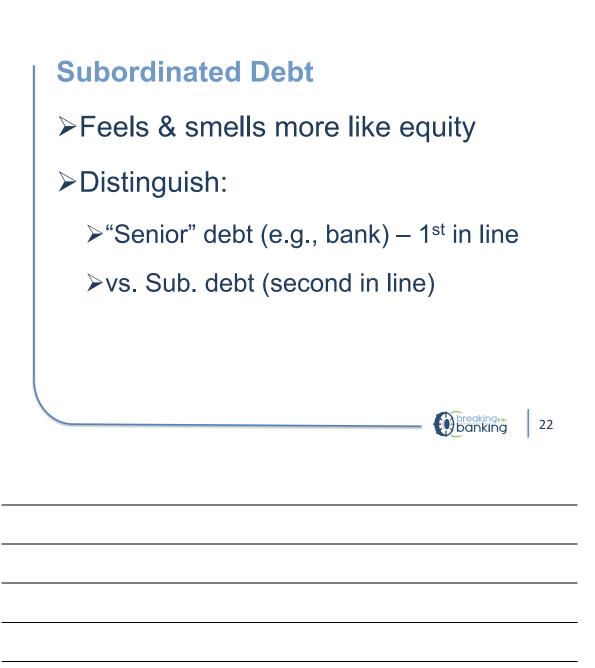








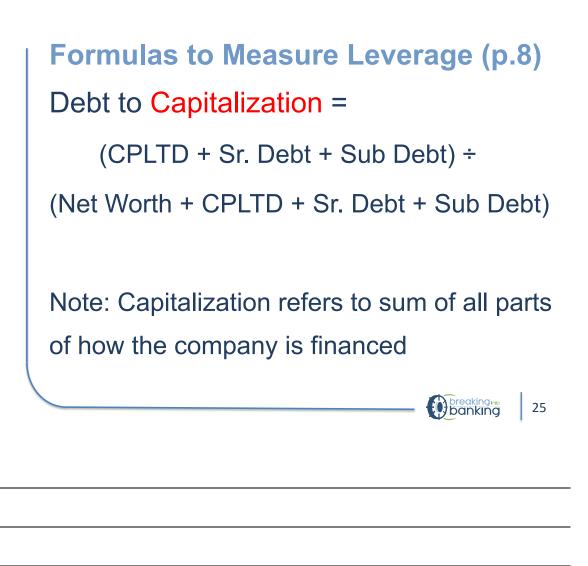


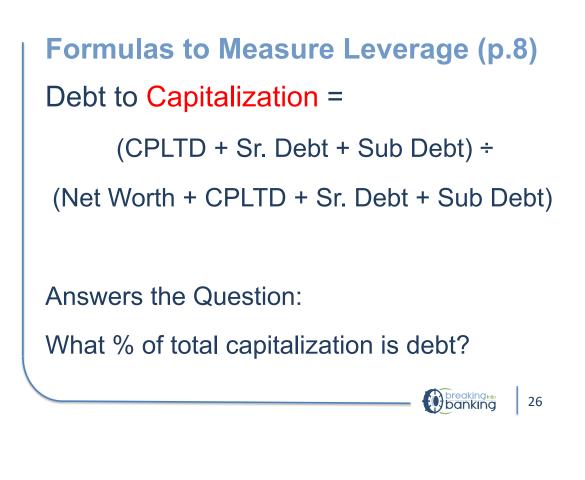


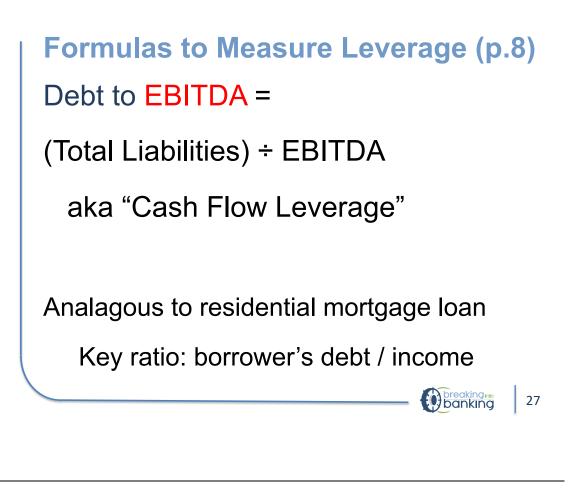
Formulas to Measure Leverage (p.8) Sr. Liabilities / Effective Net Worth = (Total Liabilities – Subordinated Debt) ÷ (Net Worth – Intangible Assets + Sub Debt) Note: Since Sub Debt is more like equity,

remove it from numerator and add to denom.

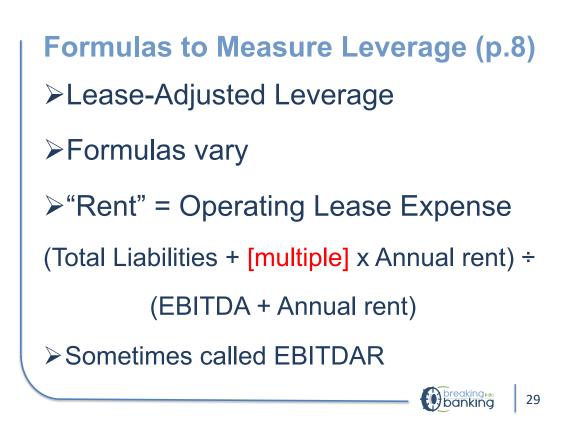
breaking 23

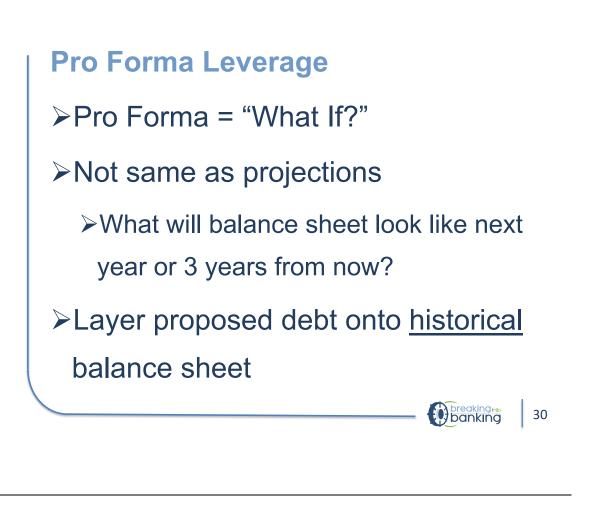


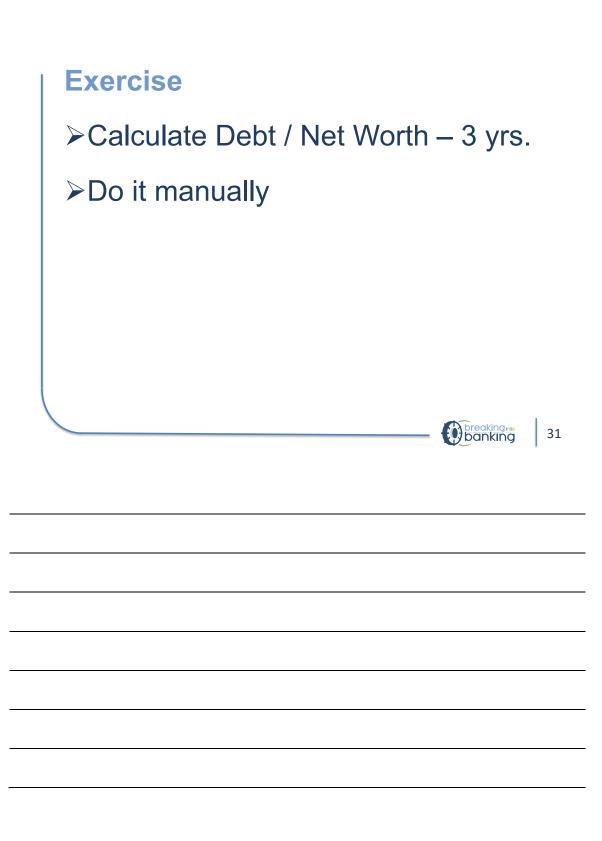


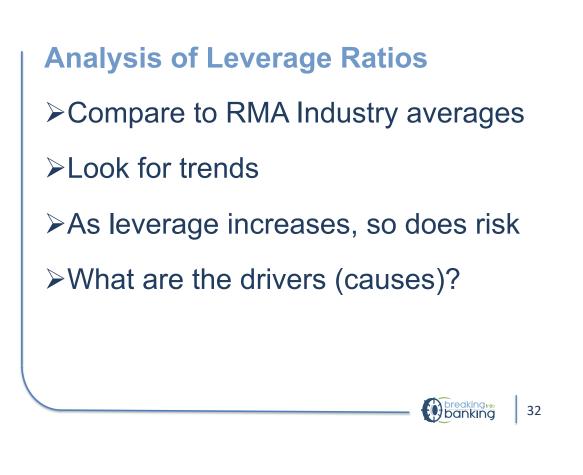


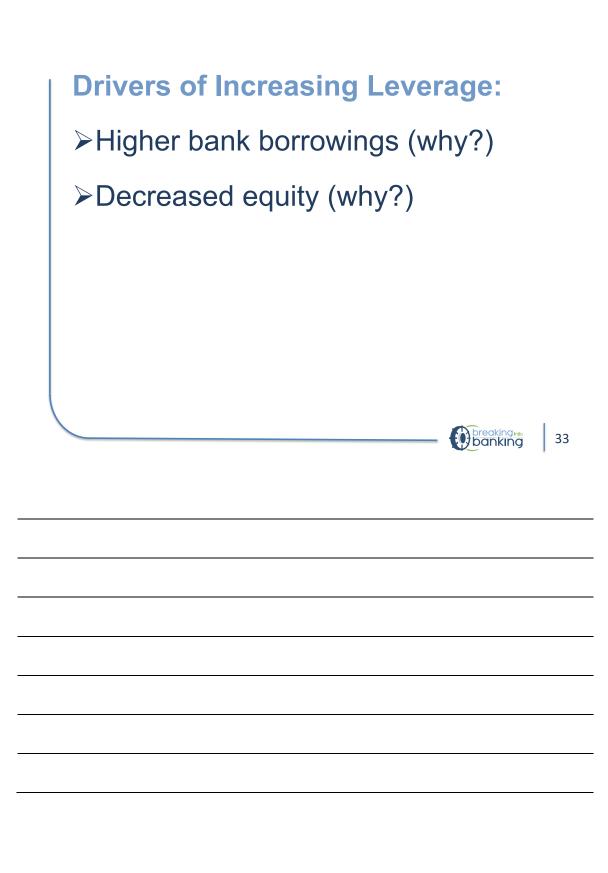
Formulas to Measure Leverage (p.8)
Lease-Adjusted Leverage
Applies to "off-balance sheet" debt
Large lease / rent expense
Contractual claim on cash flow
Feels and smells like debt
Balance Sheet leverage is understated

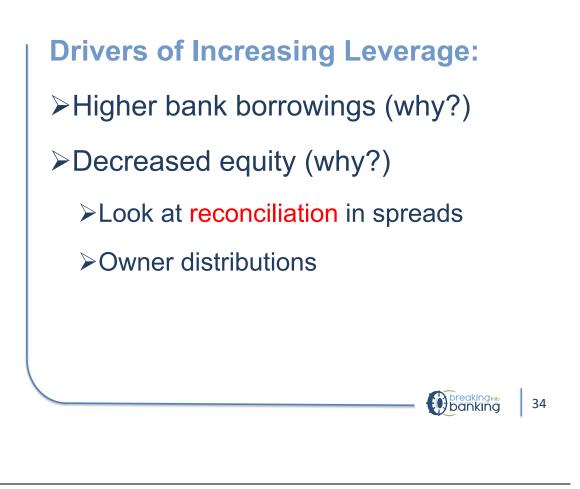


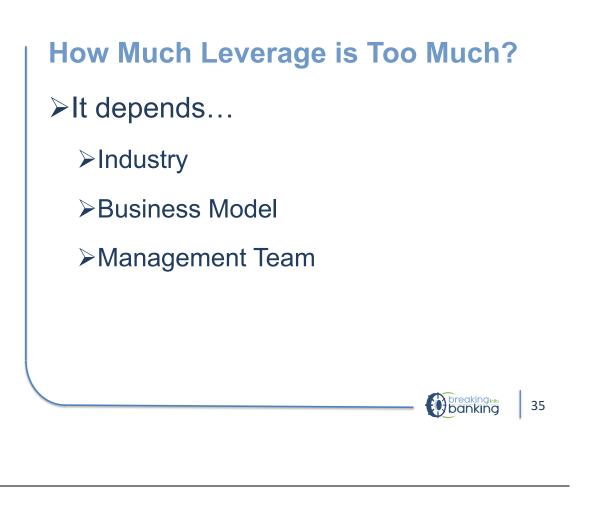




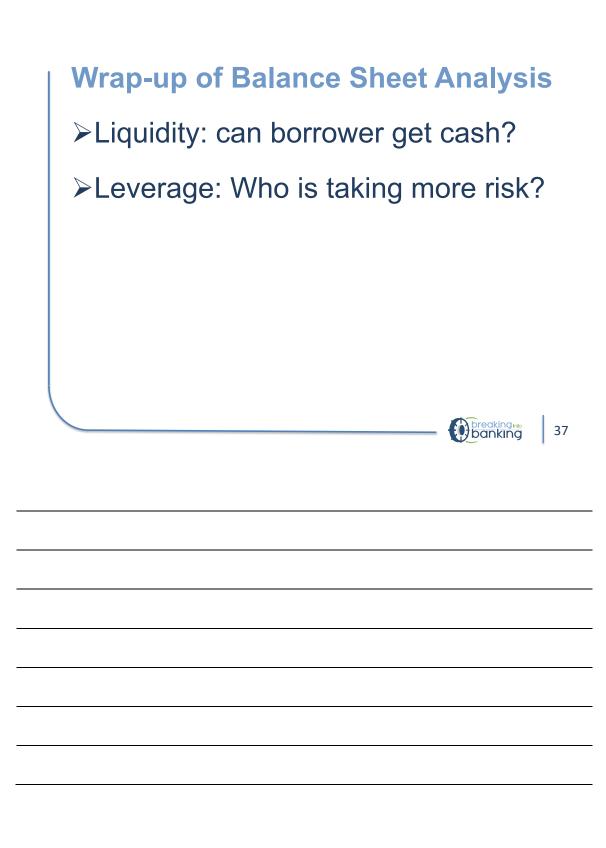




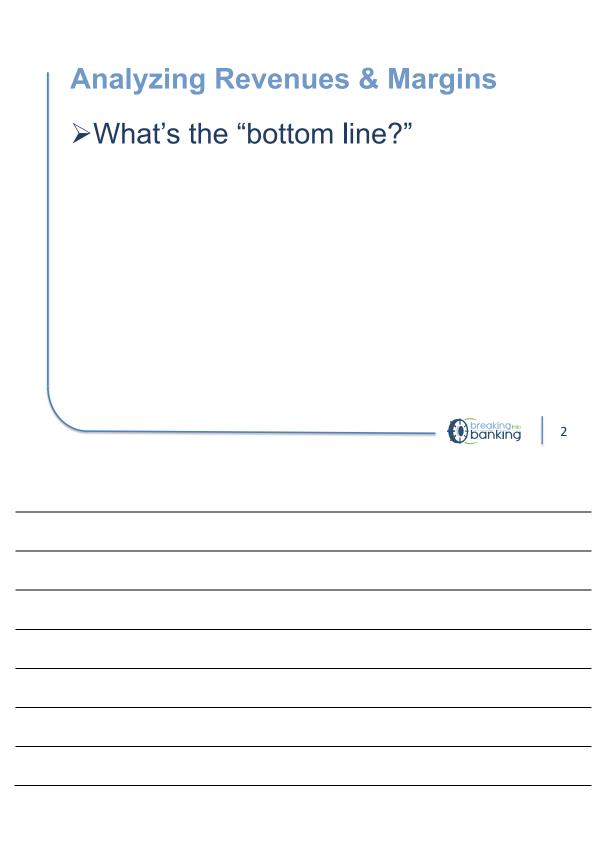








breaking into banking	
<u>Analyzing</u> <u>Repayment</u> <u>Sources</u>	BREAKING into BANKING
Module 4	
Analyzing Revenues & Profit Margins	IN COMMERCIAL BANKING

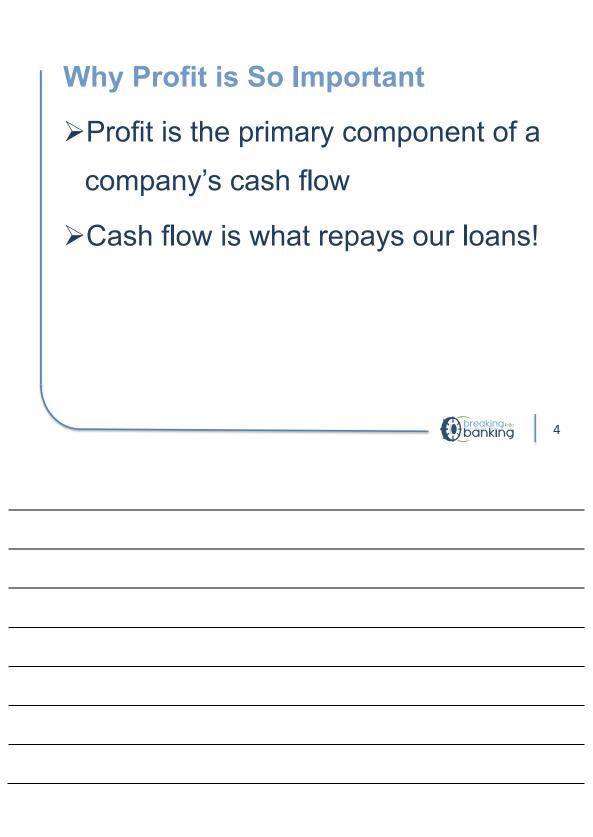


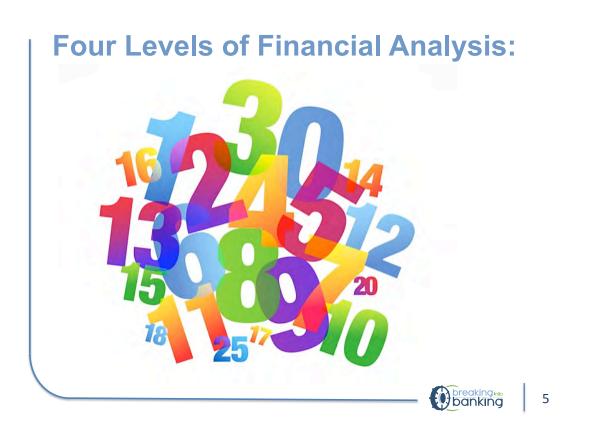
Analyzing Revenues & Margins➢What's the "bottom line?"

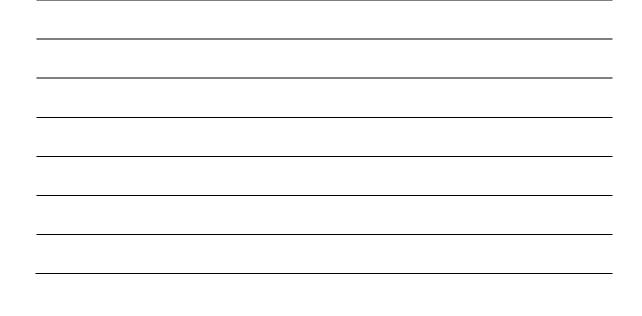
NET PROFIT	\$2,211	2.5	\$1,232	1,3	\$1,700
Current Income Tax	623	0.7	348	0.4	479
PROFIT BEFORE TAXES	2,834	3.3	1,580	1.7	2,179
Other Expenses	224	0.3	255	0.3	133
Interest Expense	864	1.0	1,220	1,3	1,568
NET OPERATING PROFIT	3,922	4.5	3,055	3.3	3,880
TOTAL OPERATING EXP	8,329	9.6	9,009	9.9	9,801

breaking making 3

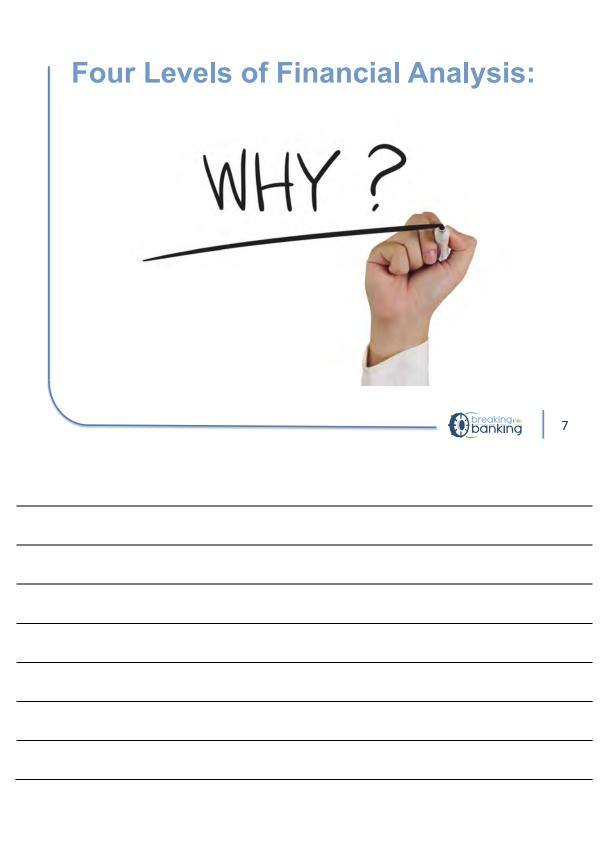
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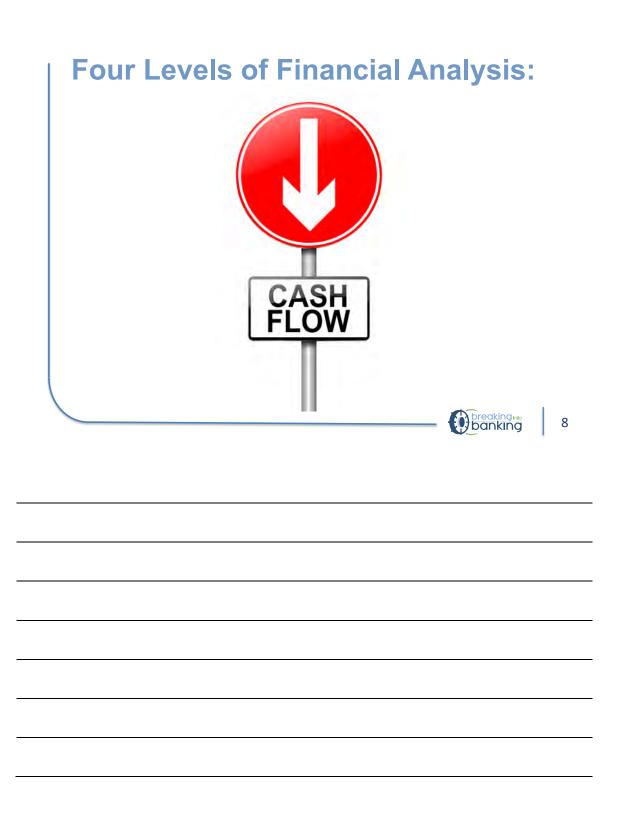


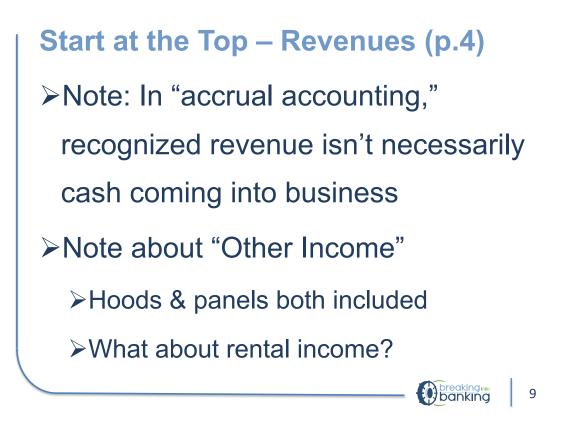












Start at the Top - Revenues

≻Is \$106 MM a good number?

onths Covered udit Method	12 Reviewed		12 Reviewed		12 Reviewed	
countant	C. Brown, CPA		C. Brown, CPA		C. Brown, CPA	
nalyst	ATK		ATK		ATK	
mt Type	Annual	-	Annual	-	Annual	
LES / REVENUE	86,912	100.0	91,420	100,0	105,854	100.0
COGS - Materials	54,021	62.2	57,330	62.7	66,830	63.1
COGS - Labor	17,883	20,6	19,011	20.8	22,042	20.8
COGS - Depreciation	2,757	5.1	3,015	5.3	3,301	4.9
Cost of Goods Sold	74,661	85.9	79,356	86.8	92,173	87,1
ROSS PROFIT	12,251	14.1	12,064	13.2	13,681	12.9
5G&A Expense	8,023	9,2	8,674	9.5	9,434	8.9
Depreciation	306	0.4	335	0.4	367	0.3
OTAL OPERATING EXP	8,329	9.5	9,009	9,9	9,801	9,3

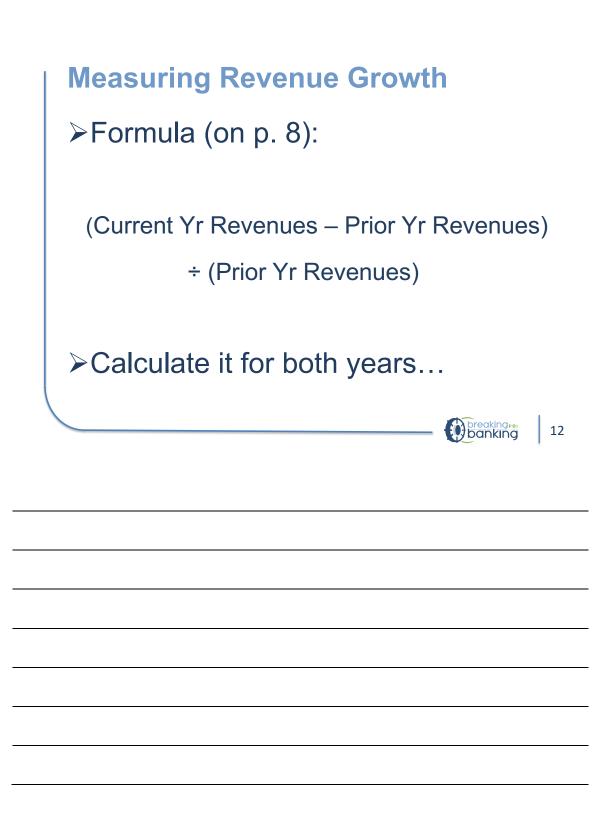
10

Start at the Top - Revenues >Is there a trend?

Analyst Stmt Type	ATK Annual		ATK Annual		ATK Annual		
		-			-		
SALES / REVENUE	86,912	100.0	91,420	100.0	105,854	100.0	
COGS - Materials	54,021	62,2	57,330	62.7	66,830	63.1	
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Depreciation	306	0.4	335	0,4	367	0,3	
TOTAL OPERATING EXP	8,329	9.6	9,009	9.9	9,801	9.0	

breaking 11

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 Measuring Revenue Growth

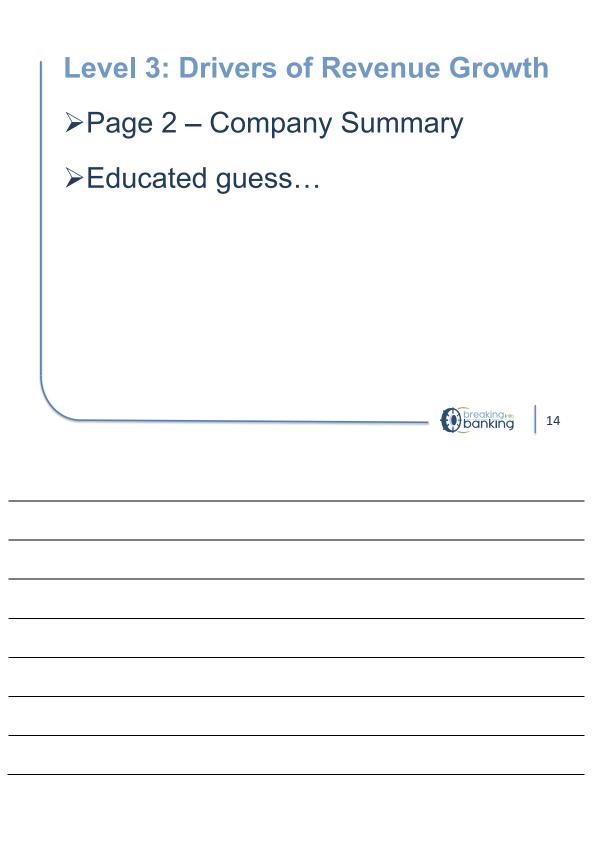
 Revenue Growth calculations for AMB:

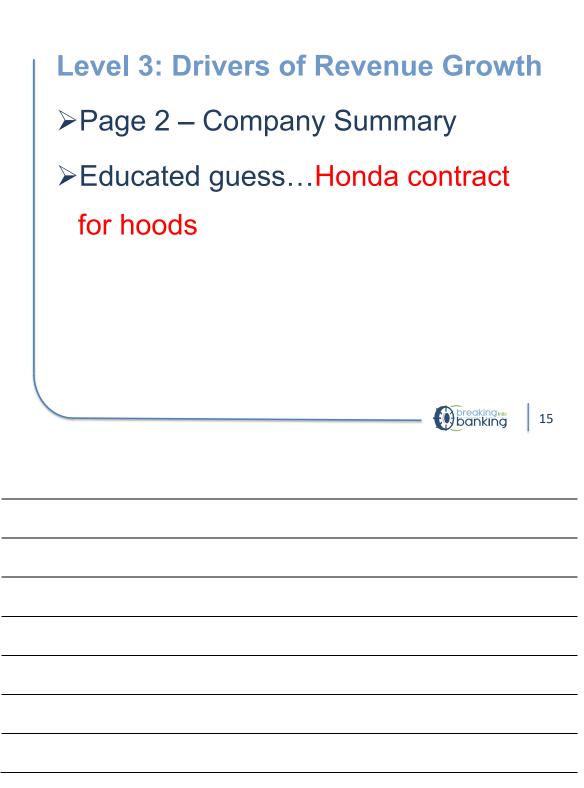
 Yr. 1 to Yr. 2: 91,420 - 86,912 = 4,508

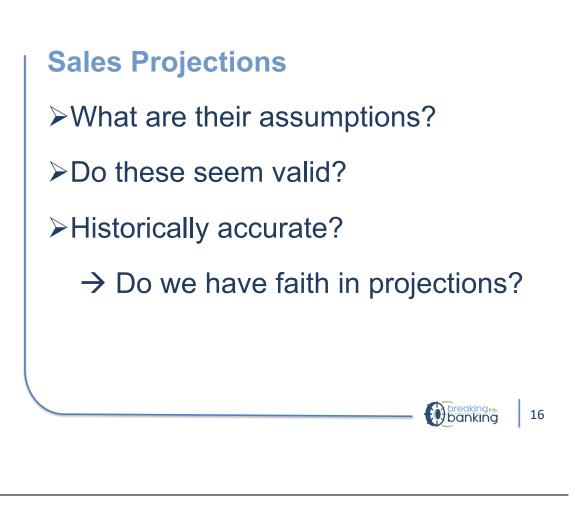
 $4,508 \div 86,912 = 5\%$

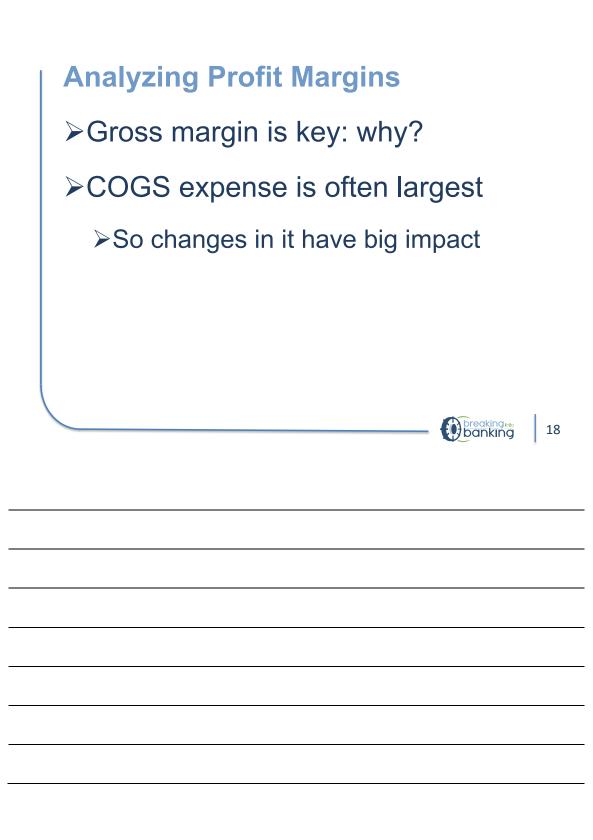
 Yr. 2 to Yr. 3: 105,854 - 91,420 = 14,434

 $14,434 \div 91,420 = 16\%$









How to Calculate COGS Expense
COGS (Wholesalers and Retailers):
Beginning Inventory + Purchases = "Expected Ending Inventory"
Beginning Inventory + Purchases – Actual Ending Inventory = COGS
19

How to Calculate COGS Expense
COGS (Manufacturers):
Cost of Raw Materials + Value added through Labor + Depreciation of facilities & equipment
20

SALES / REVENUE	86,912	100.0	91,420	100.0	105,854	100.0
COGS - Materials	54,021	62.2	57,330	62.7	66,830	63.1
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SG&A Expense	8,023	9.2	8,674	9.5	9,434	8.9
Depreciation	306	0.4	335	0.4	367	0,
TOTAL OPERATING EXP	8,329	9.6	9,009	9.9	9,801	9.
NET OPERATING PROFIT	3,922	4.5	3,055	3.3	3,880	3.
Interest Expense	864	1.0	1,220	1.3	1,568	1.
Other Expenses	224	0.3	255	0.3	133	0.

How to Calculate COGS Expense

breaking 21

Interest Expense Other Expenses	864 224	1.0 0.3	1,220	1.3 0.3	1,568 133	1.9
NET OPERATING PROFIT	3,922	4.5	3,055	3.3	3,880	3.7
TOTAL OPERATING EXP	8,329	9,6	9,009	9.9	9,801	9.3
Depreciation	306	0.4	335	0.4	367	0.
SG&A Expense	8,023	9.2	8,674	9.5	9,434	8.
GROSS PROFIT	12,251	14.1	12,064	13.2	13,681	12.9
Cost of Goods Sold	74,661	85.9	79,356	86.8	92,173	87.
COGS - Depreciation	2,757	5.1	3,015	5.3	3,301	4.3
COGS - Labor	17,883	20.6	19,011	20.8	22,042	20.
COGS - Materials	54,021	62.2	57,330	62.7	66,830	63,
SALES / REVENUE	86,912	100.0	91,420	100.0	105,854	100.0

How to Calculate COGS Expense

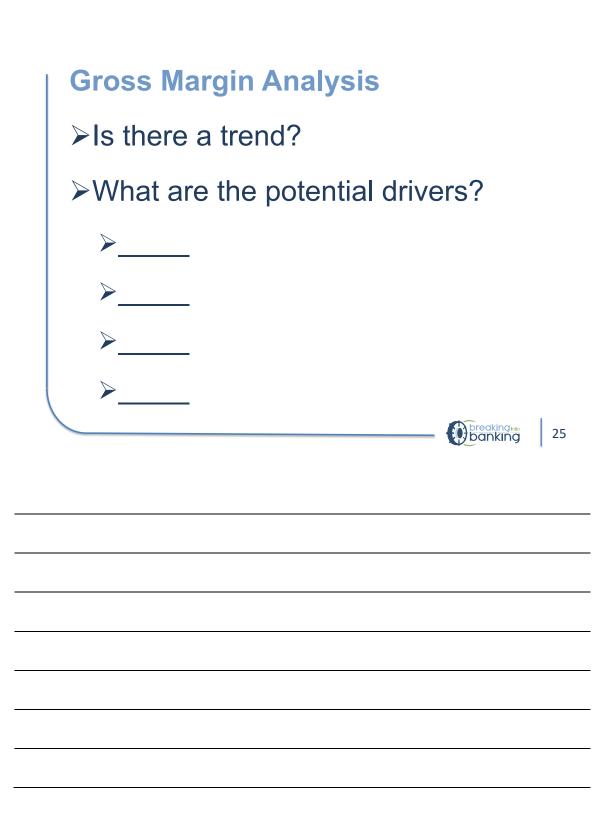
breaking banking 22

BOOFIT DECODE TAVEC	2 0 2 4		1 200	17	3.130	- 1
			Sec. 1	4883	- 10 A	
Other Expenses	224	0.3	255	0.3	133	0.
Interest Expense	864	1.0	1,220	1.3	1,568	1.
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GROSS PROFIT	12,251	14.1	12,064	13.2	13,681	12,
Cost of Goods Sold	74,661	85.9	79,356	86.8	92,173	87.
COG5 - Depreciation	2,757	5.1	3,015	5.3	3,301	4.
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SALES / REVENUE	86,912	100.0	91,420	100.0	105,854	100.

C • 4 .

DEOFIT DECODE TAVES	1 634		1 200		3 170	1
Other Expenses	224	0.3	255	0.3	133	0.
Interest Expense	864	1.0	1,220	1.3	1,568	1.
NET OPERATING PROFIT	3,922	4.5	3,055	3.3	3,880	3.
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SG&A Expense	8,023	9.2	8,674	9.5	9,434	8
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COGS - Labor	17,883	20.6	19,011	20.8	22,042	20.
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SALES / REVENUE	86,912	100.0	91,420	100.0	105,854	100.

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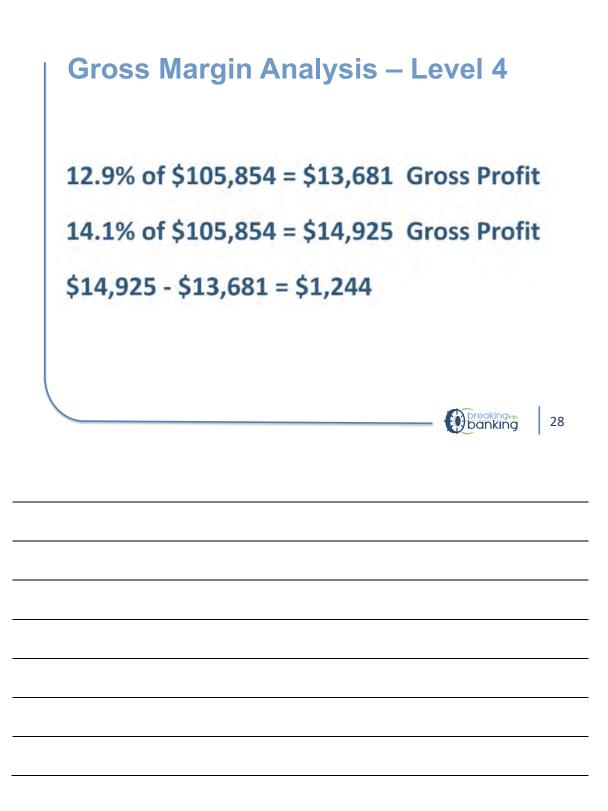


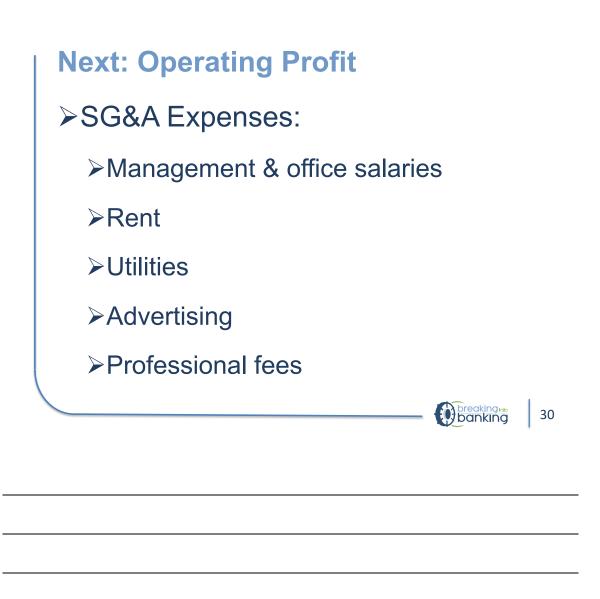


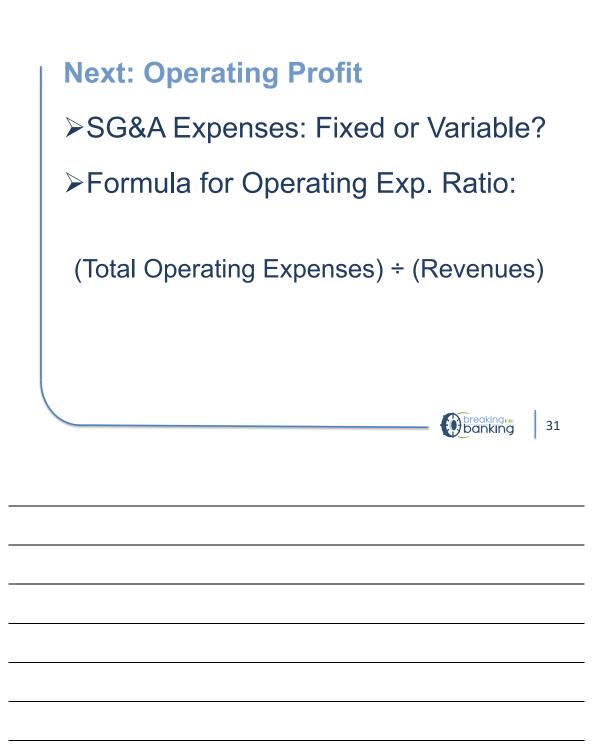
Gross Margin Analysis – Level 4
>Impact of gross margin change?
>Calculate it in \$\$ (Yr 1 → Yr 3)...



27



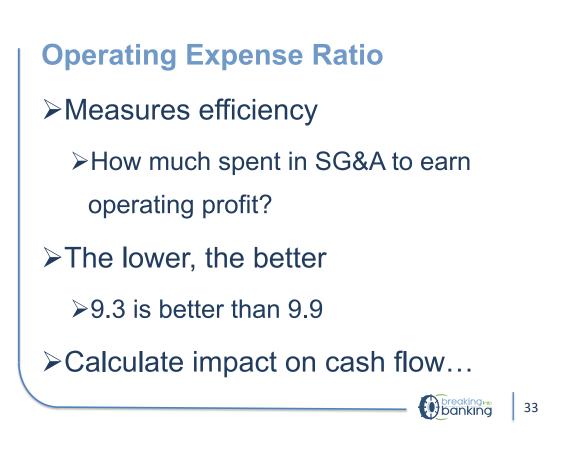


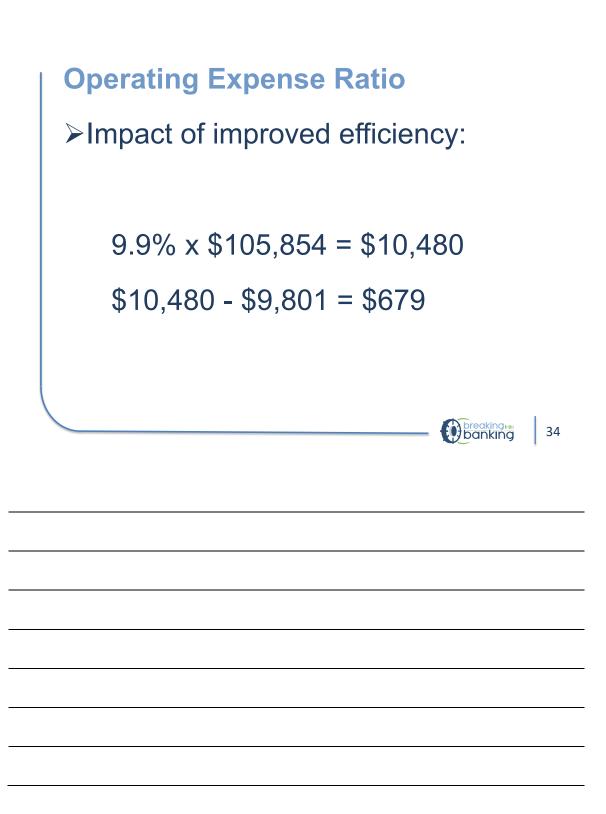


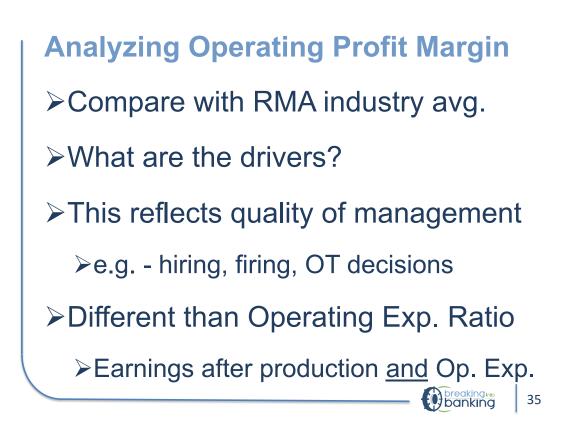
Next:	Operating	Profit
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GROSS PROFIT	12,251	14.1	12,064	13.2	13,681	12.9
SG&A Expense	8,023	9.2	8,674	9.5	9,434	8.9
Depreciation	306	0.4	335	0.4	367	0.3
TOTAL OPERATING EXP	8,329	9,6	9,009	9.9	9,801	9.3
NET OPERATING PROFIT	3,922	4.5	3,055	3.3	3,880	3.7
Interest Expense	864	1.0	1,220	1.3	1,568	1.5
Other Expenses	224	0.3	255	0.3	133	0.1
PROFIT BEFORE TAXES	2,834	3.3	1,580	1.7	2,179	2.3
Current Income Tax	623	0.7	348	0.4	479	0.9
NET PROFIT	\$2,211	2.5	\$1,232	1.3	\$1,700	1.0

breaking 32



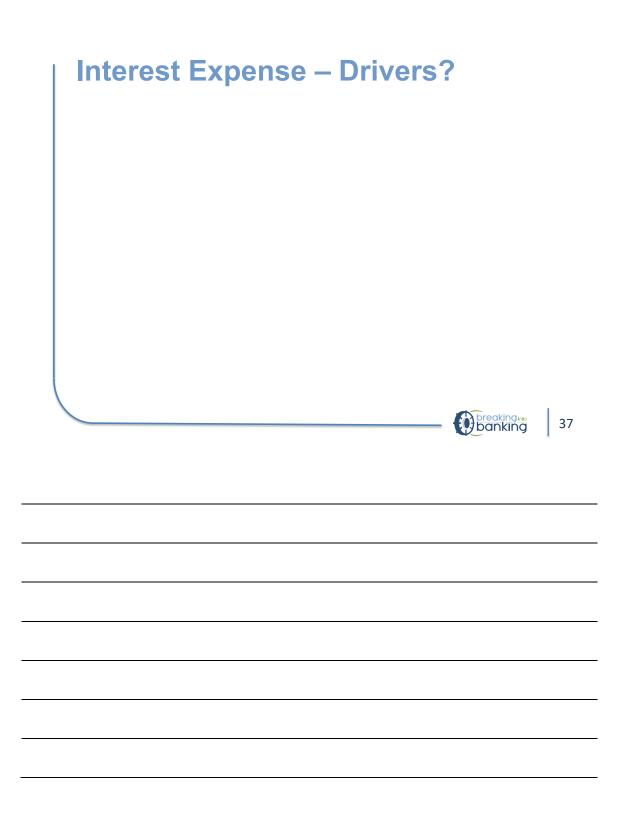




Interest Expense

NET PROFIT	\$2,211	2.5	\$1,232	1.3	\$1,700	1.6
Current Income Tax	623	0.7	348	0.4	479	0.5
PROFIT BEFORE TAXES	2,834	3.3	1,580	1.7	2,179	2.1
Other Expenses	224	0.3	255	0.3	133	0.1
Interest Expense	864	1.0	1,220	1.3	1,568	1.5
NET OPERATING PROFIT	3 972	45	3.055	22	3 880	3.7
TOTAL OPERATING EXP	8,329	9.6	9,009	9,9	9,801	9.3
Depreciation	306	0.4	335	0.4	367	0.3
SG&A Expense	8,023	9.2	8,674	9.5	9,434	8.9
GROSS PROFIT	12,251	14.1	12,064	13.2	13,681	12.9

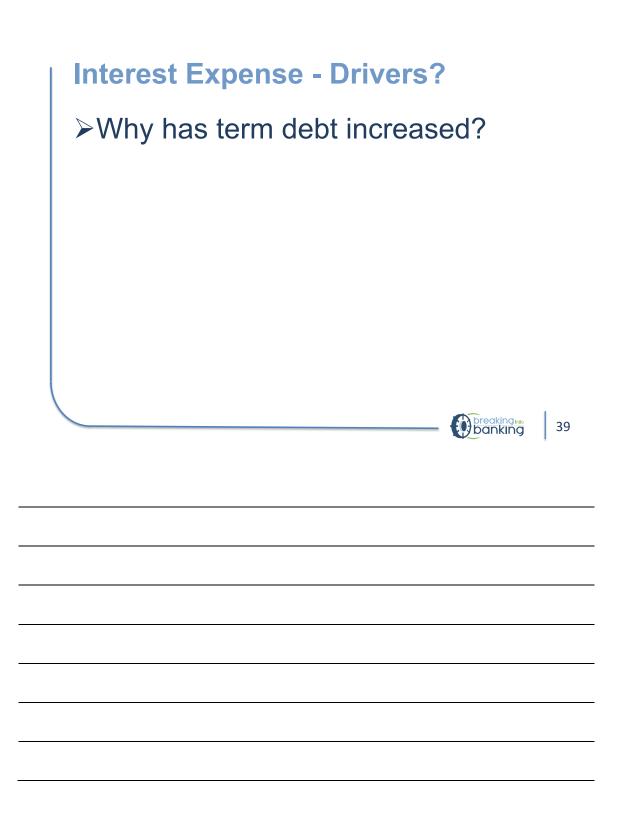
breaking making 36

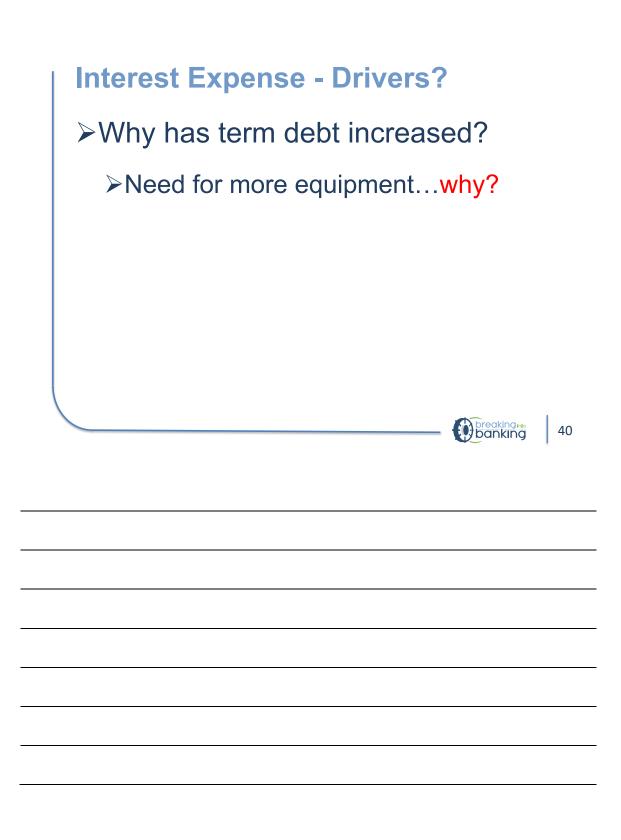


Interest Expense – Drivers?

Frank a Francis	* ***	1 3 30	3 745
Furniture & Fixtures, net	1,464	1,370	1,711
Other Assets	403	511	600
TOTAL NON-CURRENT	29,069	33,167	38,506
TOTAL ASSETS	59,287	60,819	67,690
CURRENT LIABILITIES			
Note Payable - Bank	4,423	3,029	5,555
CPLTD - Bank	3,207	3,666	4,513
Accounts Payable	8,918	9,474	12,008
Accrued Expenses	5,858	6,026	6,340
TOTAL CURRENT LIAB.	22,406	22,195	28,416
NON-CURRENT LIAB.			
Long Term Debt - Bank	17,475	20,988	24,966
		** ***	

breaking 88

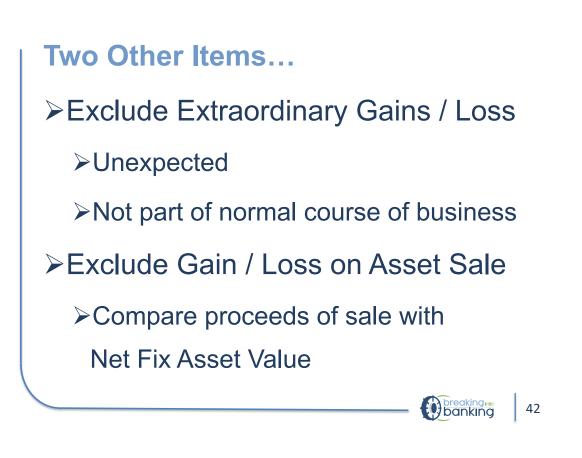


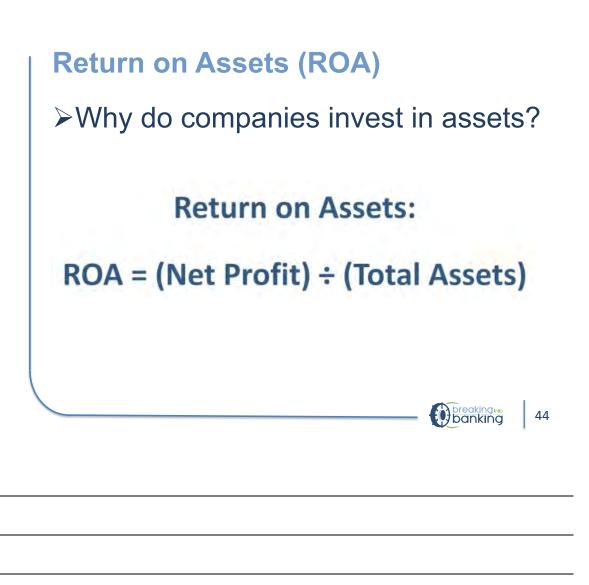


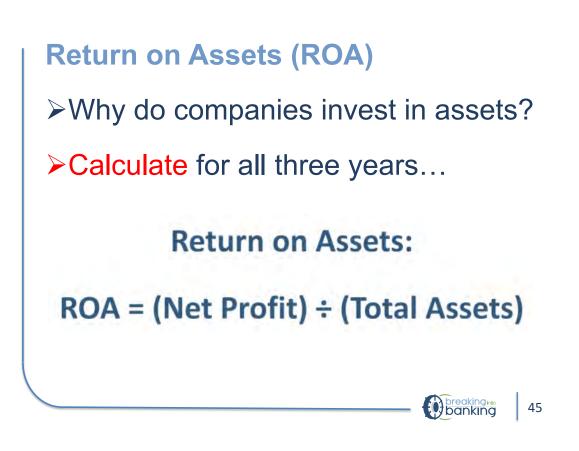
Interest Expense - Drivers?
Why has term debt increased?
Need for more equipment...why?
Increased production requirements due to Honda contract

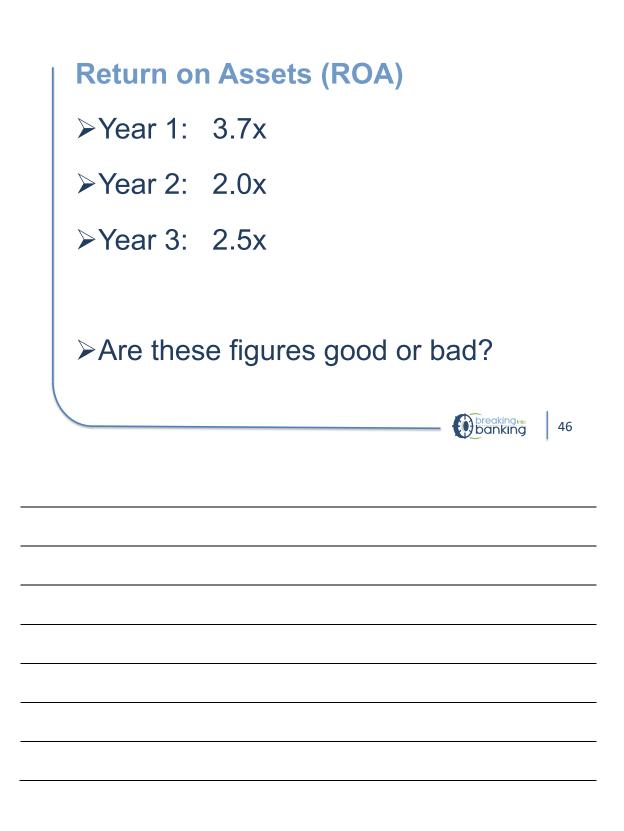


41

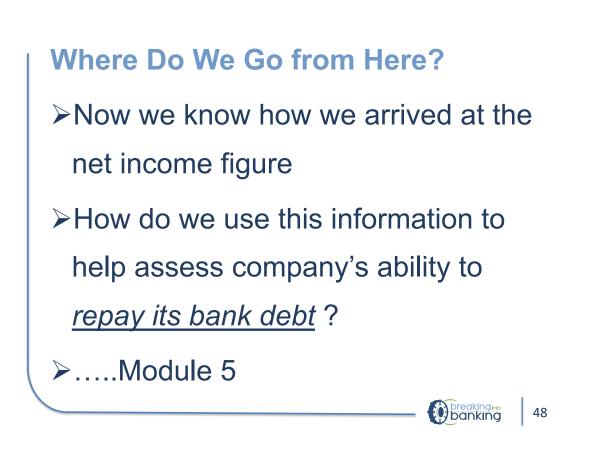




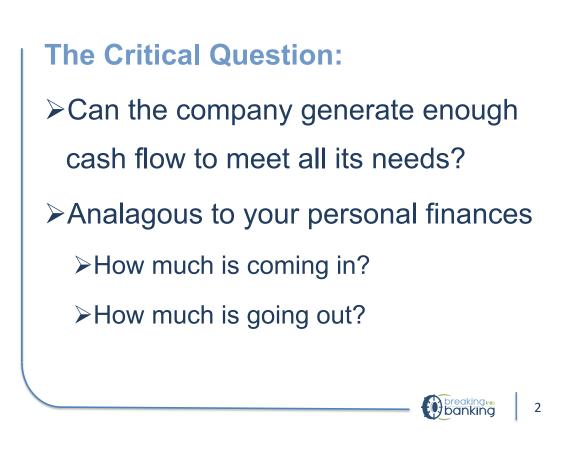


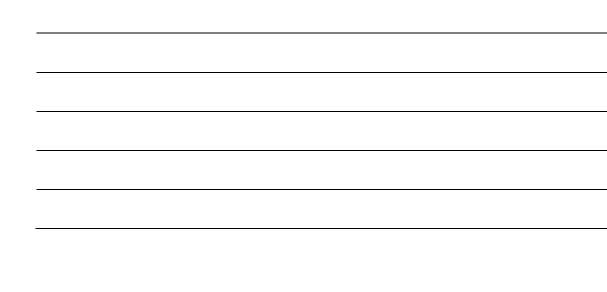


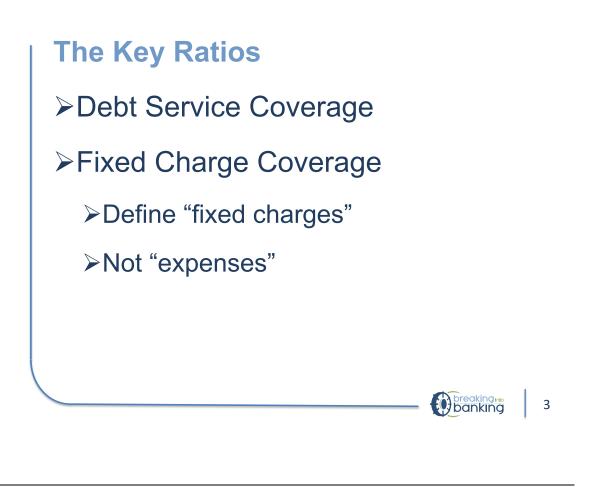
Return on Assets (ROA) ➢Compare with RMA averages >Also, note large increase in assets: NON-CURRENT ASSETS Land & Buildings, net 10,029 11,285 11,309 Property, Plant, Equip, net 17,173 20,001 24,886 Furniture & Fixtures, net 1,464 1,370 1,711 600 Other Assets 403 511 TOTAL NON-CURRENT 33,167 38,506 29,069 TOTAL ASSETS 59,287 60,819 67,690 CURRENT LIABILITIES 4,423 3,029 Note Payable - Bank 5,555 CPLTD - Bank 3,207 3,665 4,513 Accounts Payable 9,474 12,008 8,918 Accrued Expenses 5,858 6,025 6,340 TOTAL CURRENT LIAB. 22,406 22,195 28,415 NON-CURRENT LIAB. breaking he banking 47

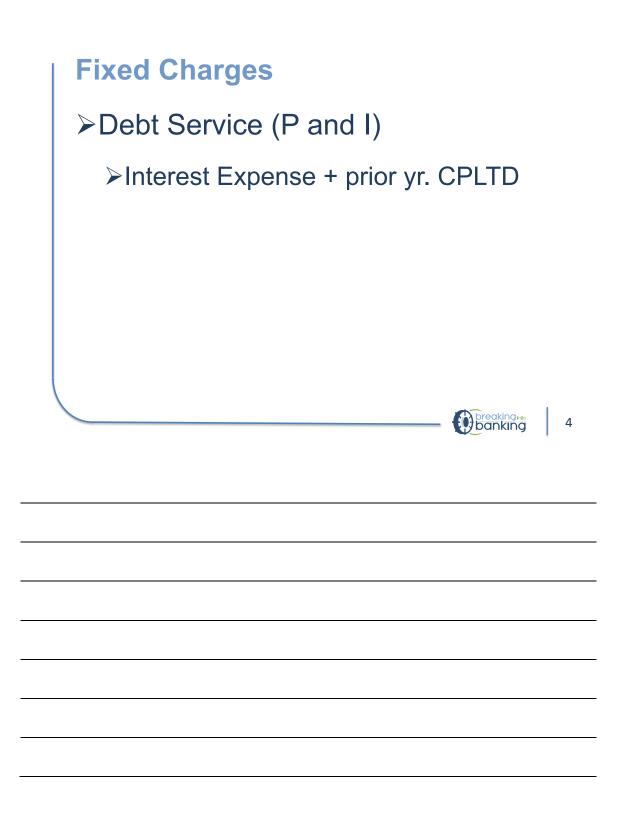


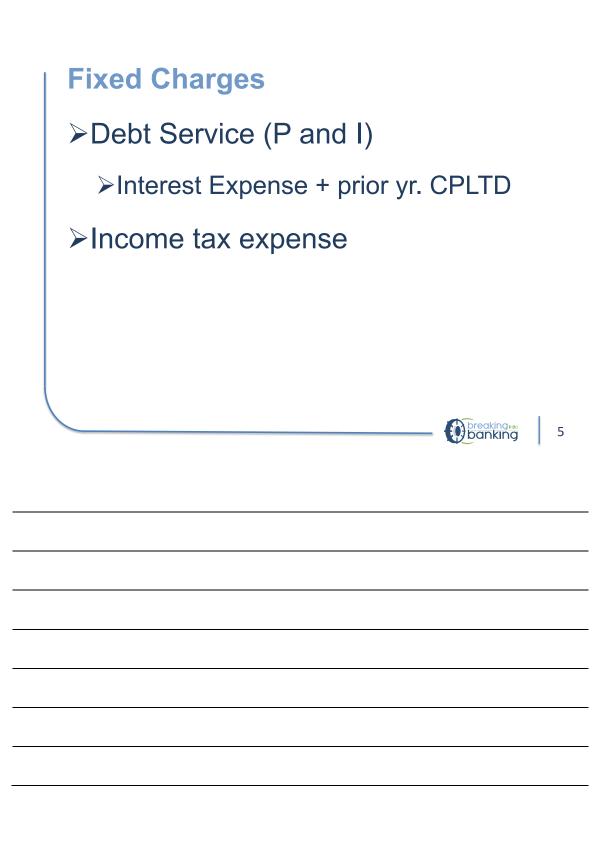
breaking into	
<u>Analyzing</u> <u>Repayment</u> <u>Sources</u>	BREAKING into BANKING
Module 5	
Understanding Coverage Ratios	ANDY KEUSAL

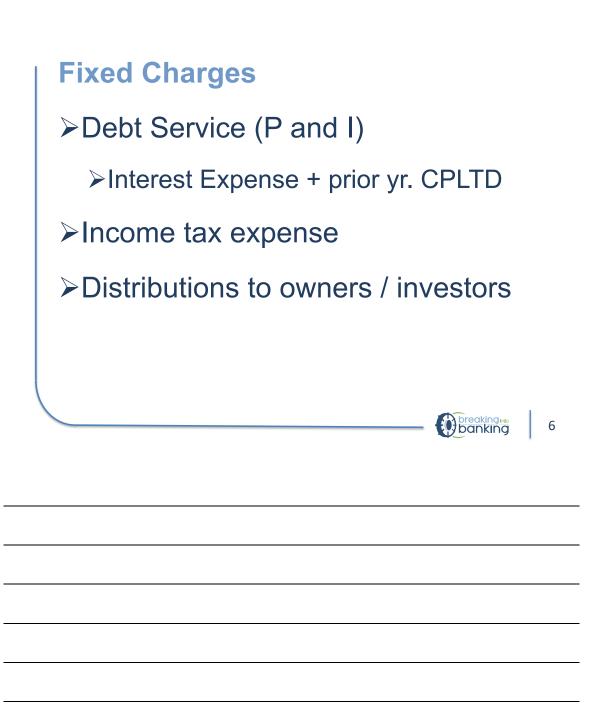


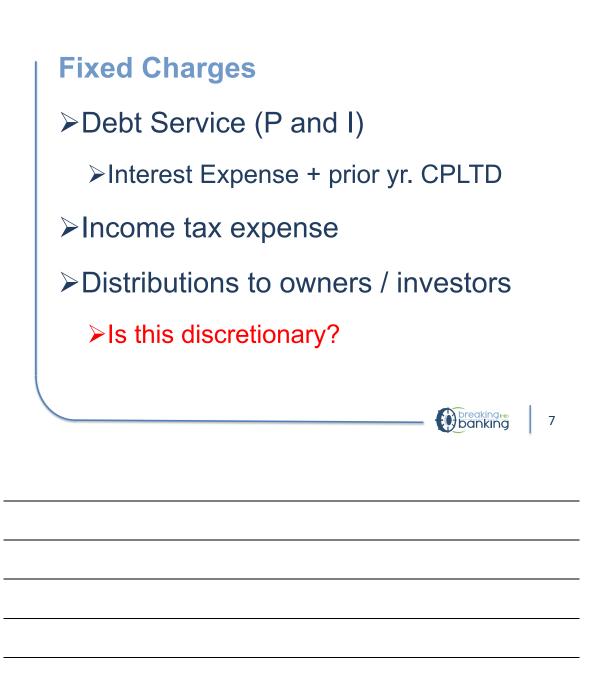


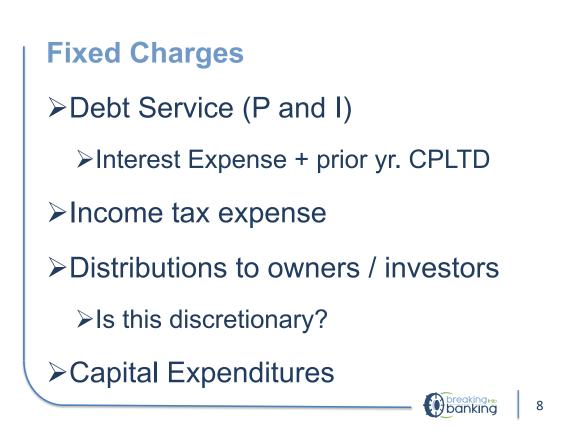


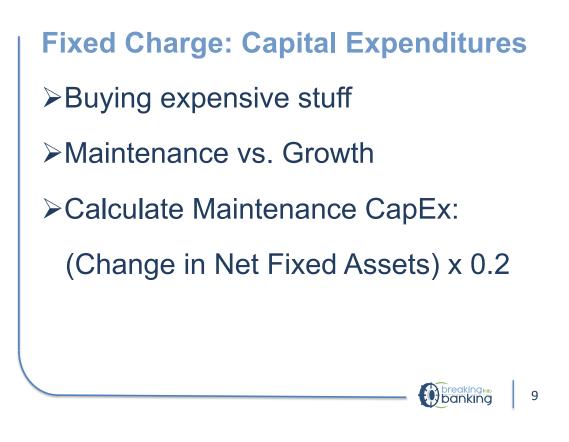


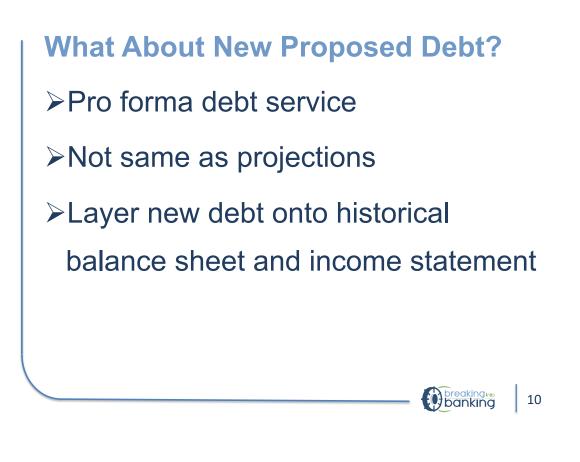


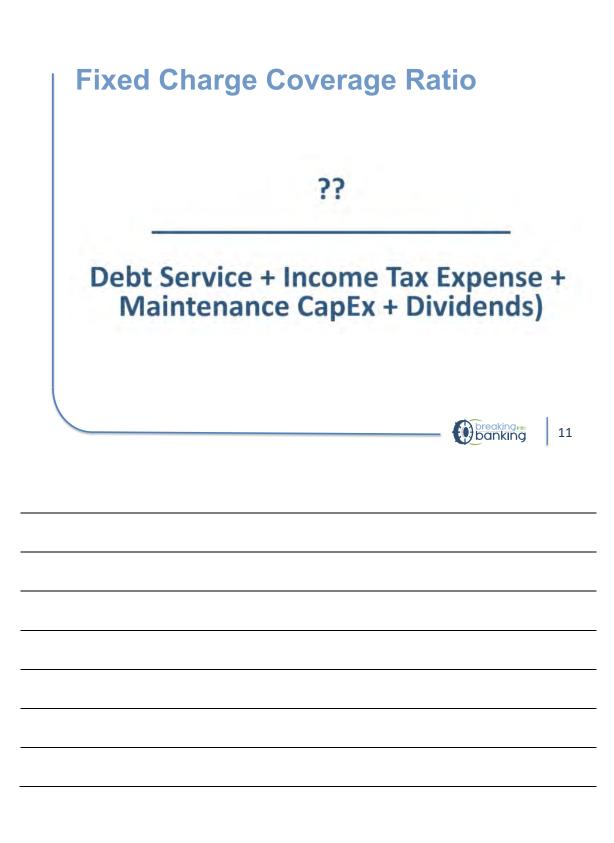


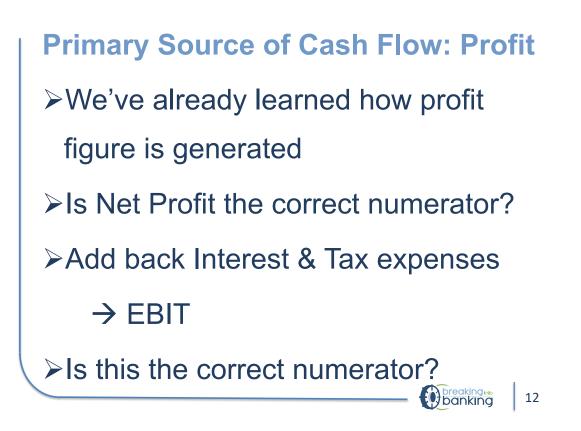












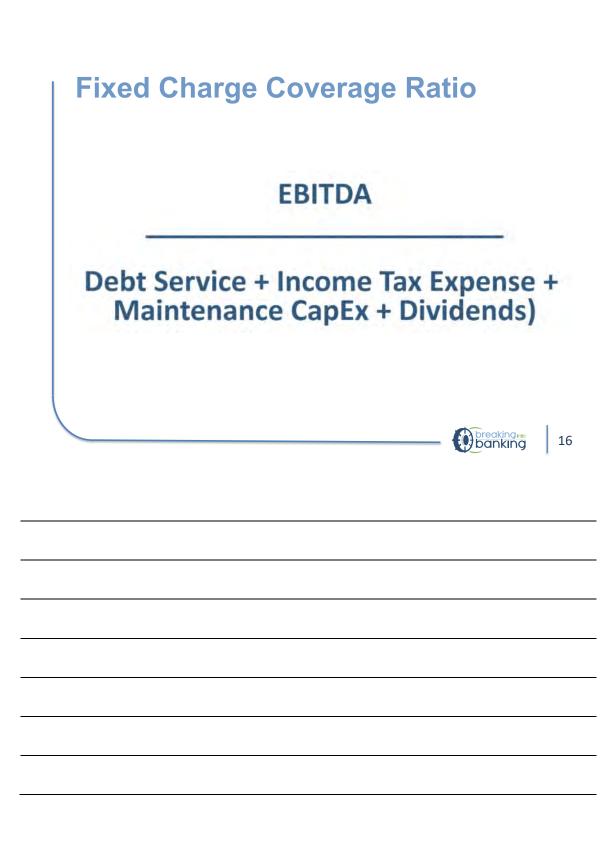
Adding Back Depreciation Expense

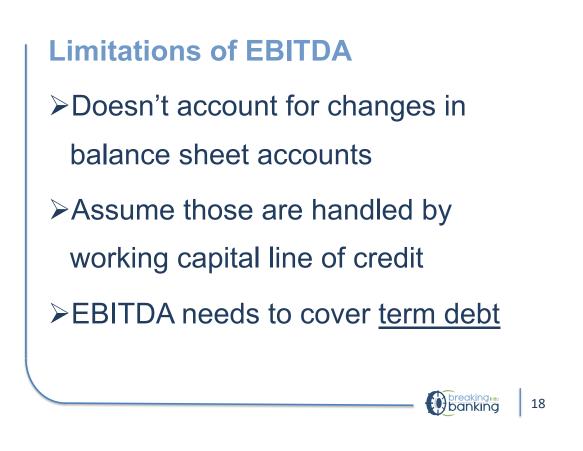
Analyst	ATK		ATK		ATK	
Stmt Type	Annual		Annual	-	Annual	a k I
	85 017	100.0	01.430	100.0	105.054	100.0
SALES / REVENUE COGS - Materials	86,912 54,021	100.0	91,420 57,330	100.0 62.7	105,854 66,830	100,0 63.1
COGS - Labor	17,883	20.6	19,011	20.8	22,042	20.8
COGS - Depreciation	2,757	5.1	3,015	5.3	3,301	4.9
Cost of Goods Sold	74,661	85.9	79,356	86.8	92,173	87.1
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TOTAL OPERATING EXP	8,329	9.6	9,009	9.9	9,801	9.3
NET OPERATING PROFIT	3,922	4.5	3,055	3.3	3,880	3.7
Interest Expense	864	1.0	1.220	1.3	1.568	1.5

Why is Depreciation "Non-Cash?"
Explain what the expense is
"Recognized" but not paid in cash
Expense is a GAAP convention
So we add it back to arrive at a "cash profit" figure

> breaking mb banking

Exercise: Calculate EBITDA
Calculate for each of three years
Add back Interest, Taxes, Depr. exp.
Note: no amortization expense



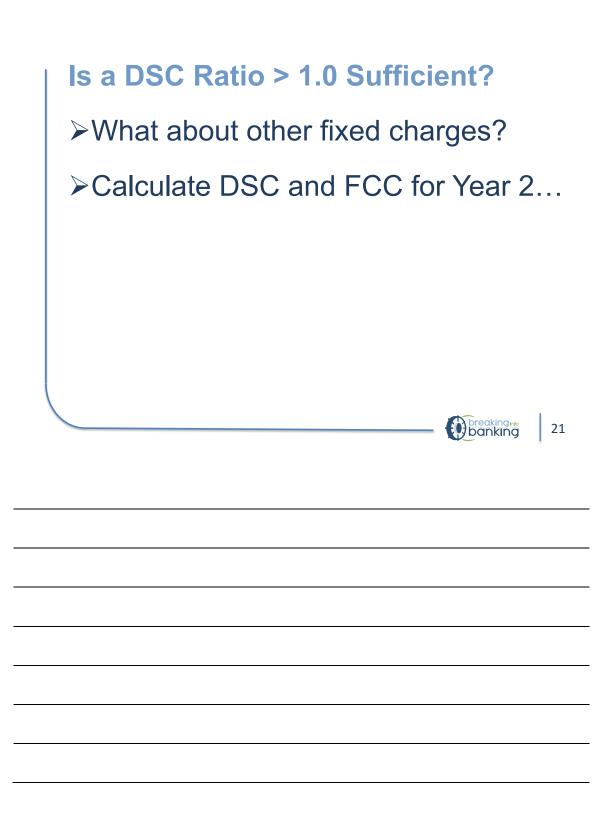


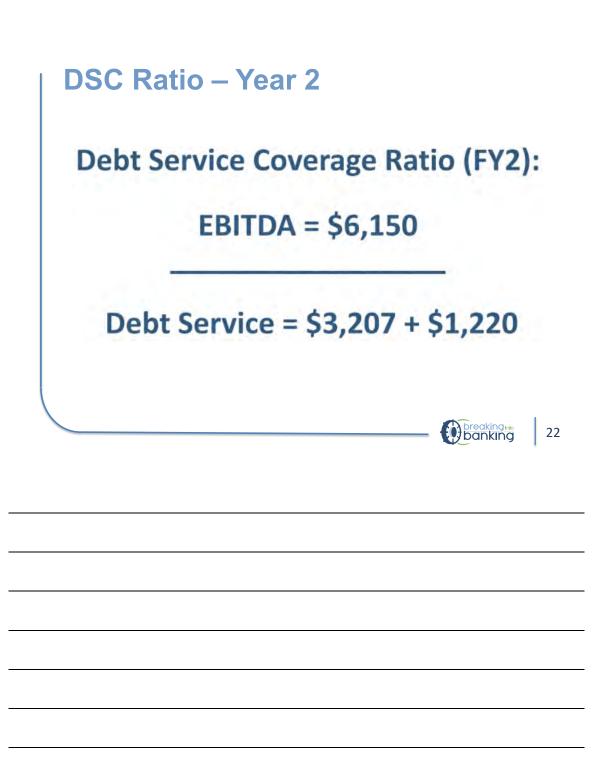
Debt Service Coverage Ratio:					
(EBITDA) ÷ (Debt Service)					
	- Expreaking 19				

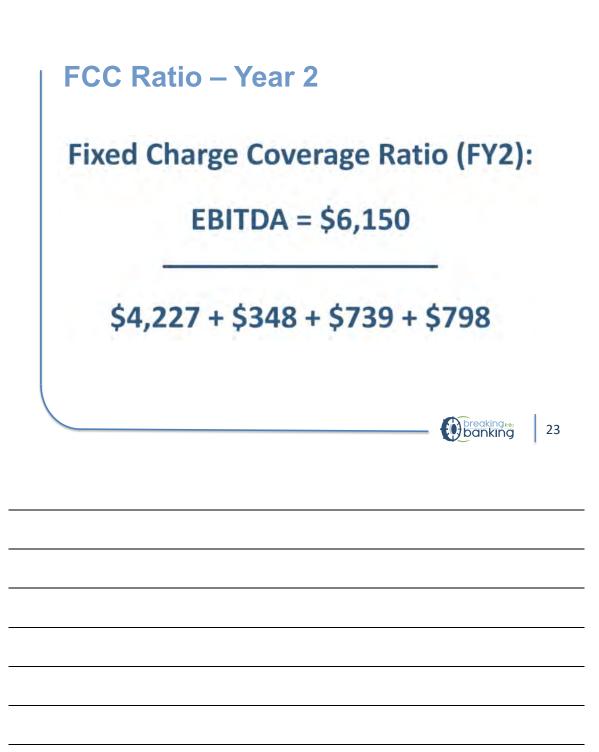
Debt Service Coverage Ratio:

A/R Turnover Days	66	54	48
INV Turnover Days	39	40	40
A/P Turnover Days	44	44	48
Dividends		739	1,020
Net Fixed Assets	28,666	32,656	37,906
Change Net Fixed Assets	N/A	3,990	5,250
20% of Change in NFA	N/A	798	1,050
DSC Ratio	1.7	1.4	1.3
FCC Ratio	N/A	0.97	0.95
Return on Assets	3.7	2.0	2.5

breaking mb banking





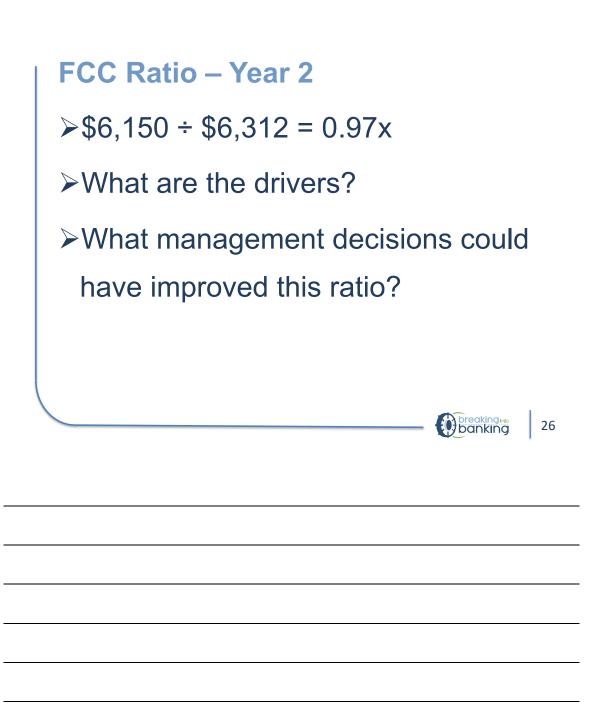


Dividends on Reconciliations Page

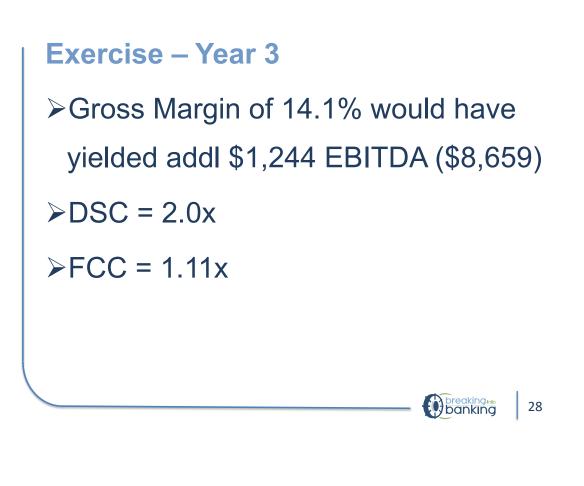
Statement Date	12/31/20X1	12/31/20X2	12/31/20X3
Months Covered	12	12	12
Audit Method	Reviewed	Reviewed	Reviewed
Accountant	C. Brown, CPA	C Brown, CPA	E Brown, CPA
Analyst	ATK	ATK	ATK
StmtType	Annual	Annual	Annual
-	Reconciliation	of Retained Earnings	
CONTINUE DETAINE			19 247
BEGINNING RETAINE		17,854	18,347
Net Profit	D EARNINGS	17,854 1,232	1,700
	D EARNINGS	17,854	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

breaking banking 24





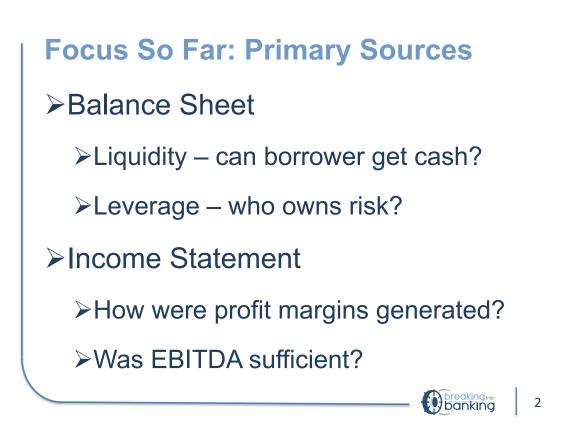
Exercise:
Calculate AMB's DSC ratio for FY3
Calculate AMB's FCC ratio for FY3
Calculate both these figures if gross margin were 14.1% in FY3
27



► Free Elevator Conversation
► Not about revenue (or even profit)
► Your CCO wants to know the FCC
► Note: your formulas may differ

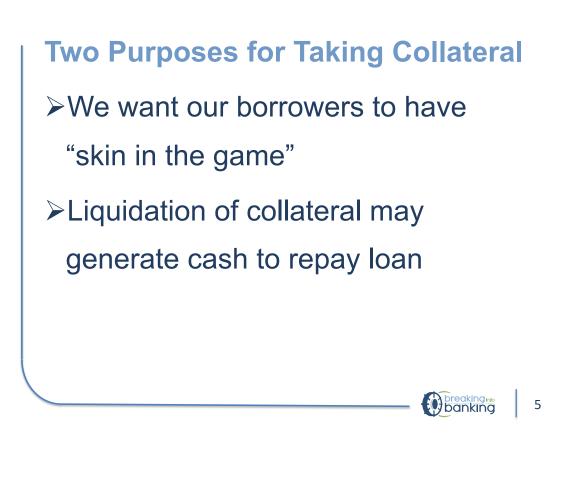


breaking into	
<u>Analyzing</u> <u>Repayment</u> <u>Sources</u> <u>Module 6</u>	BREAKING Mo BANKING
Evaluating Non- Current Assets as Collateral	ANDY KEUSAL



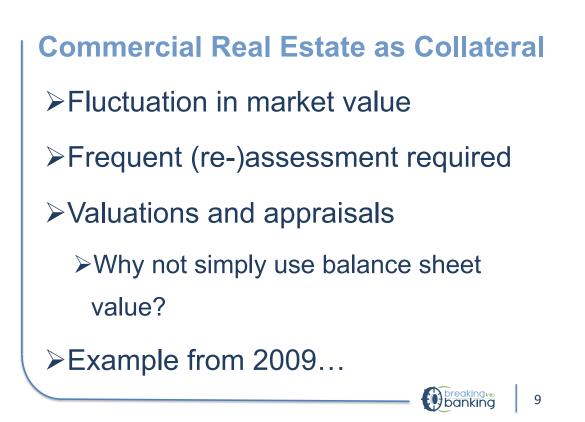
Banks Need a Backup Plan
Secondary source of repayment
Typically liquidation of collateral
Loan is "secured" by filing lien
Caution: only CASH repays loans

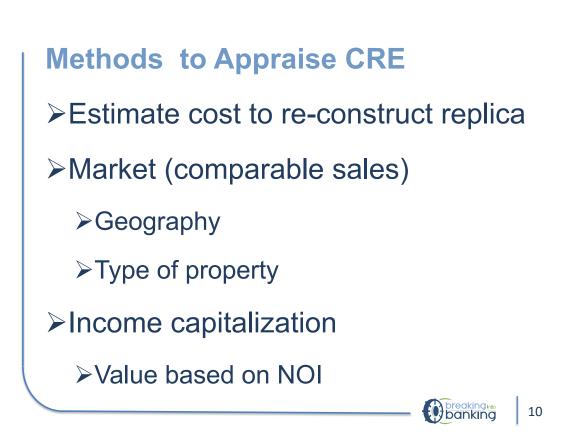




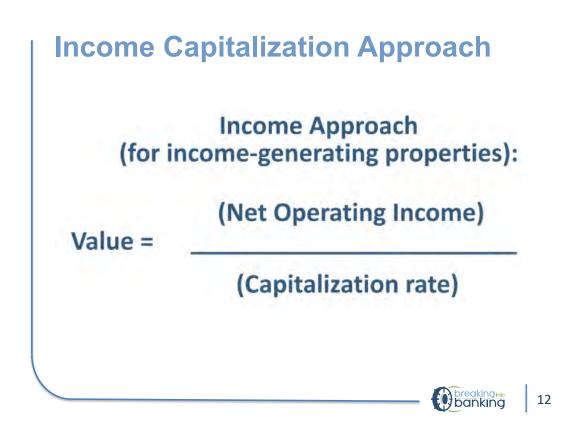


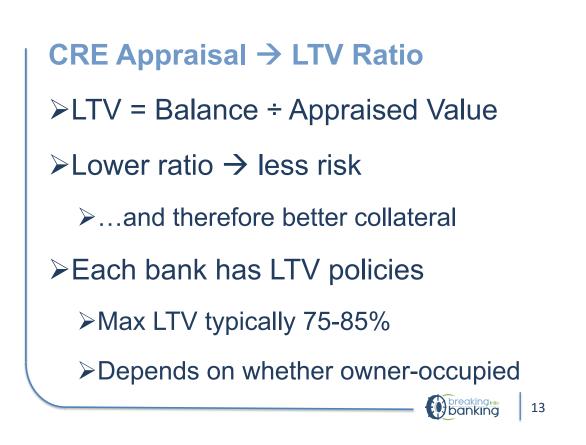






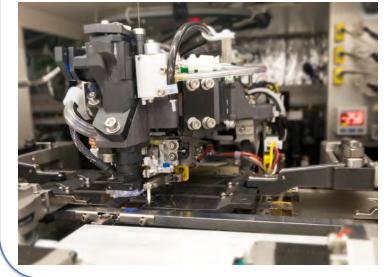






Fixed Assets as Collateral

Manufacturing Equipment





Fixed Assets as Collateral

Material Handling Equipment



Fixed Assets as Collateral

≻Railroad Cars, etc.



16

Fixed Assets as Collateral

Earth-moving Vehicles



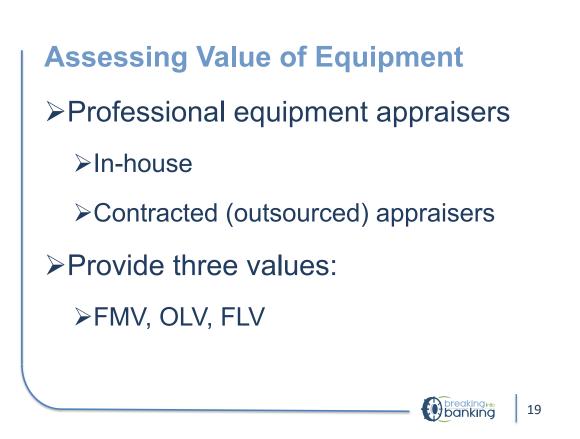




Fixed Assets as Collateral





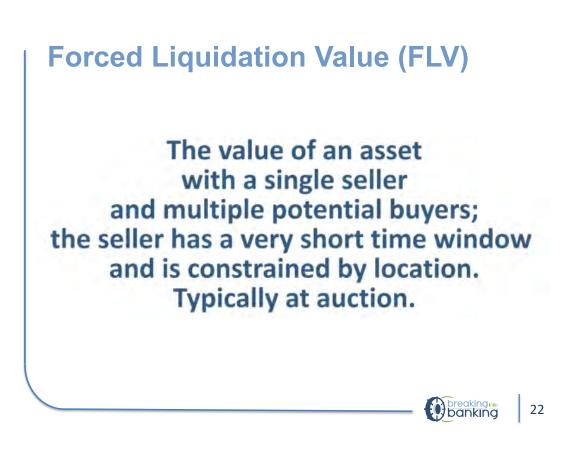


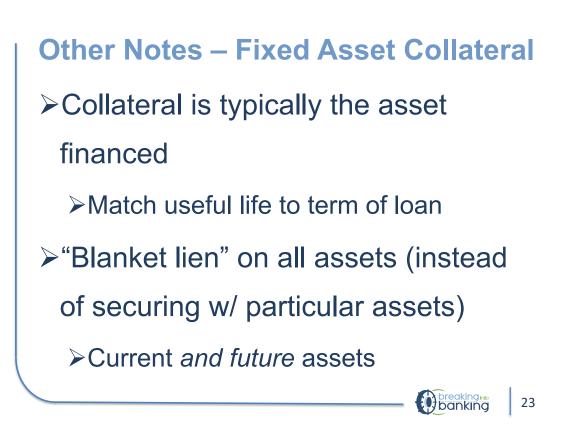


Orderly Liquidation Value (OLV)

Similar to FLV, except that the seller is given an undefined, reasonable amount of time to find a buyer... always less than FMV, since it's still a liquidation scenario in which the seller is under compulsion to sell.

breaking banking





Key Final Thoughts...

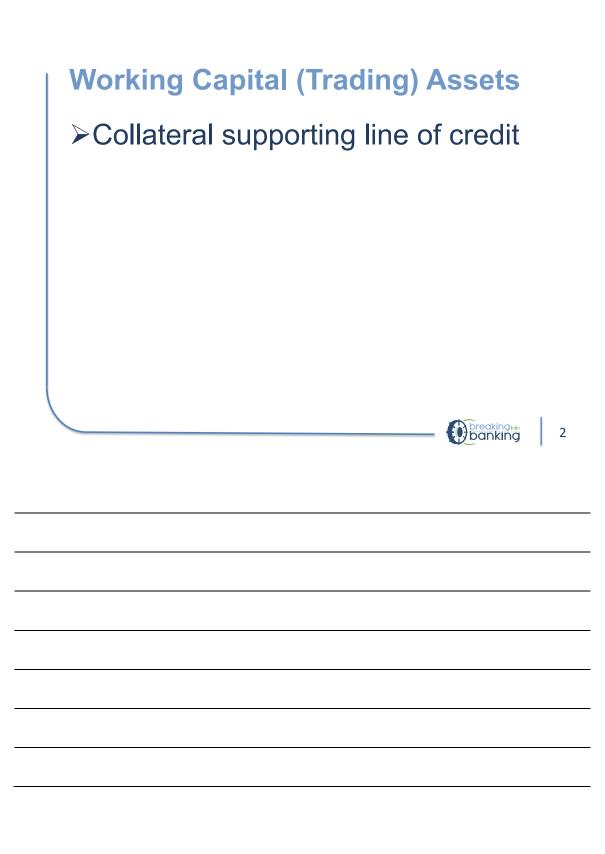
Demand for assets often evaporates when seller most needs to sell...







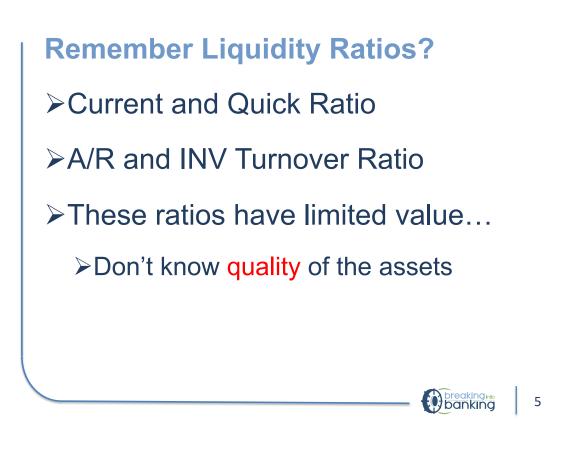
breaking into banking	
<u>Analyzing</u> <u>Repayment</u> <u>Sources</u>	BREAKING into BANKING
Module 7	
Evaluating Trading Assets as Collateral	H COMMERCIAL BANKING ANDY KEUSAL

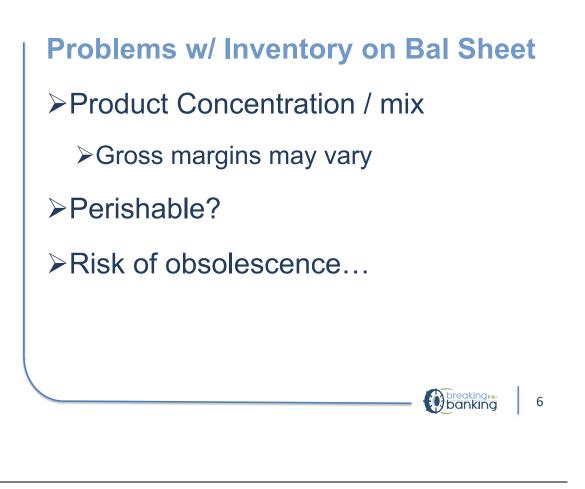


Working Capital (Trading) Assets
≻Collateral supporting line of credit
≻Most common type of credit facility











Problems w/ Inventory on Bal Sheet

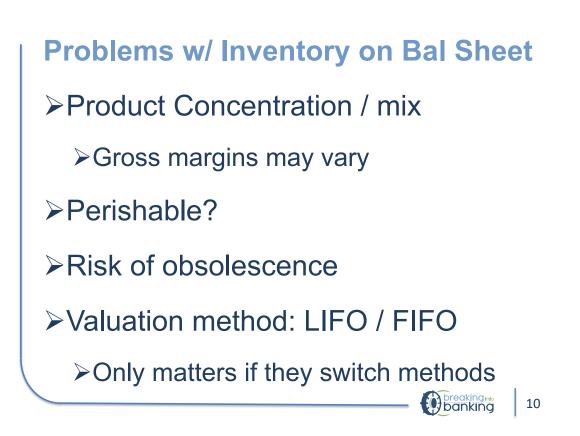


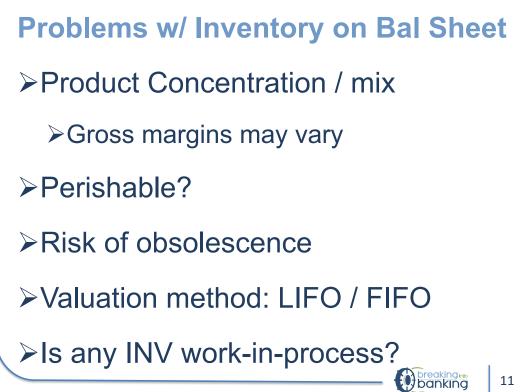


Problems w/ Inventory on Bal Sheet

Problems w/ Obsolete Inventory
> Company has already bought it
> Line of Credit is already drawn up
> Likely won't be sold...











AMB's Inventory – Finished Goods



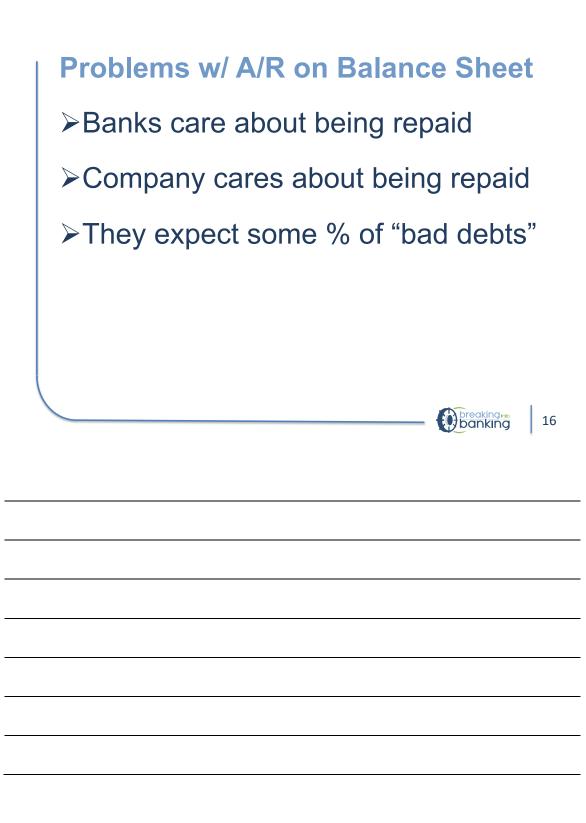


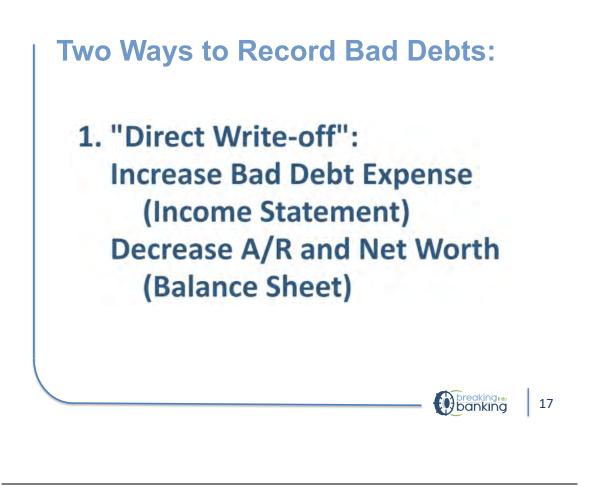


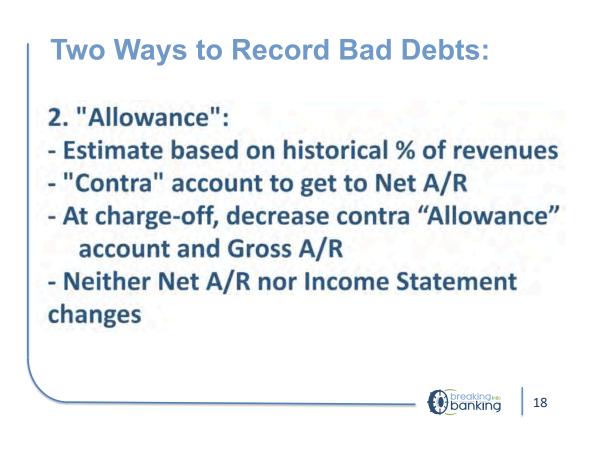
AMB's Inventory - WIP

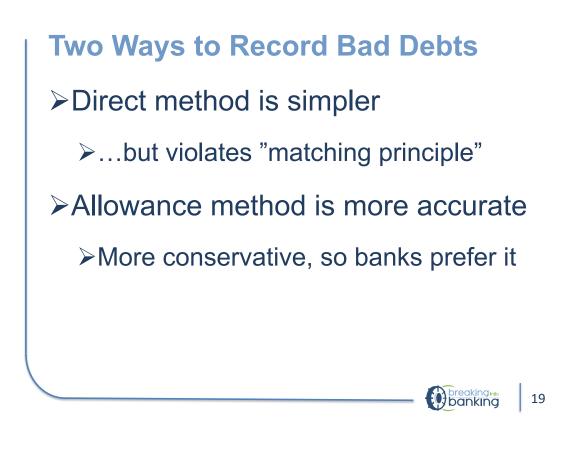
Statement Date	12/31/20X1	12/31/20X2	12/31/20X3
Months Covered	12	12	12
Audit Method	Reviewed	Reviewed	Reviewed
Accountant	C. Brown, CPA	C. Brown, CPA	C. Brown, CPA
Analyst	ATK	ATK	ATK
Stmt Type	Annual	Annual	Annual
CURRENT ASSETS			
Cash	4,473	3,461	3,336
Accts Rec - Trade	15,723	13,528	13,809
Raw Materials	4,947	5,751	6,401
Work in Process	1,501	1,645	1,702
Finished Goods	1,551	1,385	1,906
Total Inventory	7,999	8,781	10,009
Other Current Assets	2,023	1,862	2,030
TOTAL CURRENT ASSETS	30,218	27,652	29,184
NON-CURRENT ASSETS			
Land & Buildings, net	10.029	11.285	11.309
Property, Plant, Equip, net	17.173	20,001	24,885

breaking no banking









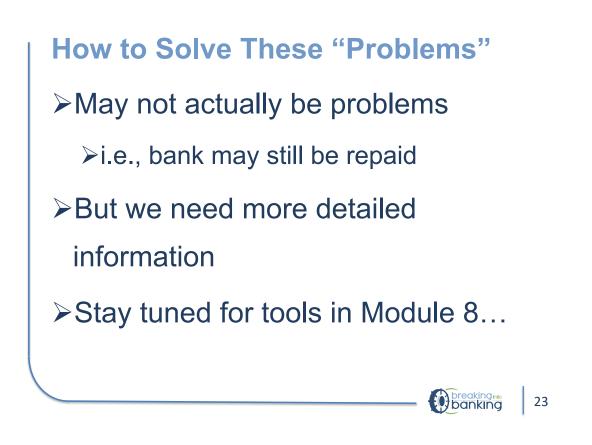
AMB's Balance Sheet – A/R

Statement Date	12/31/20×1	12/31/20X2	12/31/2083
Manths Covered	12	12	12
Audit Method	Reviewed	Reviewed	Reviewed
Accountant	C Brown, CPA	C. Brown, CPA	C. Brown, CPA
Analyst	ATK	ATK	ATK
Strnt Type	Annual	Annual	Annual
CURRENTASSETS			
Cash	4,473	3,461	3,336
Accts Rec - Trade	15,723	13,528	13,809
Raw Materials	4,947	5,751	6,401
Work in Process	1,501	1,645	1,702
Finished Goods	1,551	1,385	1,906
Total Inventory	7,999	5,781	10,009
Other Current Assets	2,023	1,882	2,030
TOTAL CURRENT ASSETS	30.218	27,652	29,184
NON-CURRENT ASSETS			
Land & Buildings, net	10,029	11,285	11,309
Property, Plant, Equip, net	17,173	20,001	24,886
Furniture & Fotures, net	1,464	1,370	1.711

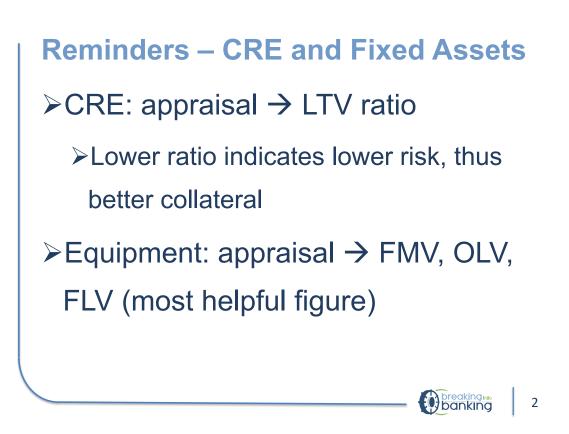
Problems w/ A/R on Balance Sheet
Banks care about being repaid
Company cares about being repaid
They expect some % of "bad debts"
Customer concentration not shown

Problems w/ A/R on Balance Sheet
Banks care about being repaid
Company cares about being repaid
They expect some % of "bad debts"
Customer concentration not shown
Stale A/R % not reflected

breaking 22







Assessing Value of Trading Assets
A/R and INV fluctuate daily
Balance sheet lacks needed detail
Bank must understand value of its collateral on LOCs



Customer Concentrations≻Request A/R Aging Report

Auto MetalBending, Inc. A/R Aging Report as of 12/31/20X3 (\$000)

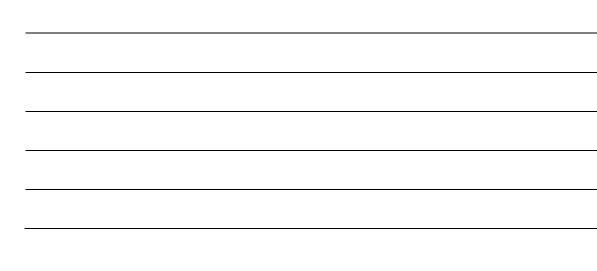
Customer Name	Current	31-60 Days	61-90 Days	<u>90+ days</u>	Total
BMW	\$1,855	\$0	\$0	\$0	\$1,855
Daimler	\$1,623	\$205	\$0	\$0	\$1,828
Volkswagen	\$1,077	\$0	\$0	\$343	\$1,420
Toyota	\$1,240	\$0	\$0	\$0	\$1,240
Honda of America Mfg.	\$991	\$0	\$0	\$0	\$991
Fred's Precision Panels, Inc.	\$249	\$0	\$23	\$483	\$755
Taylor Auto Body LLC	\$334	\$105	\$116	\$0	\$555
Ford Motor Co.	\$514	\$0	\$0	\$0	\$514
Other	\$3,799	<u>\$423</u>	\$329	<u>\$100</u>	\$4,65:
Total	\$11,682	\$733	\$468	\$926	\$13,809

breaking mo banking

Customer Concentrations➢ Request A/R Aging Report

Look for customers >10% of total

Customer Name	Current	31-60 Days	61-90 Days	90+ days	Total
BMW	\$1,855	\$0	\$a	\$0	\$1,855
Daimler	\$1,623	\$205	\$0	\$0	\$1,828
Volkswagen	\$1,077	\$0	\$0	\$343	\$1,420
Toyota	\$1,240	\$0	\$0	\$0	\$1,240
Honda of America Mfg.	\$991	\$0	\$0	\$0	\$991
Fred's Precision Panels, Inc.	\$249	\$0	\$23	\$483	\$755
Taylor Auto Body LLC	\$334	\$105	\$116	\$0	\$555
Ford Motor Co.	\$514	\$0	\$0	\$0	\$514
Other	\$3,799	\$423	\$329	\$100	\$4,651
Total	\$11,682	\$733	\$468	\$926	\$13,809
				pred	nking me

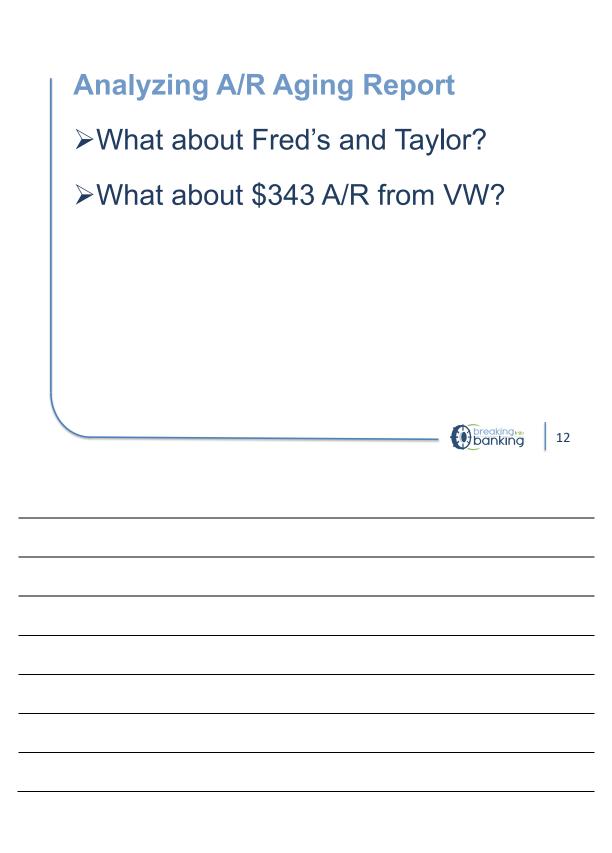


Analyzing A/R Aging Report ≻Are there any stale A/R? >What credit terms does AMB offer? Remember A/R Days calculations: ≻66 days...54 days...48 days >Why so much longer than terms?

Analyzing A/R Aging Report➤ Are there any stale A/R?

Customer Name	Current	31-60 Days	61-90 Days	90+ days	Total
BMW	\$1,855	\$0	\$0	\$0	\$1,855
Daimler	\$1,623	\$205	\$0	\$0	\$1,828
Volkswagen	\$1,077	\$0	\$0	\$343	\$1,420
Toyota	\$1,240	\$0	\$0	\$0	\$1,240
Horida of America Mfg.	\$991	\$0	\$0	\$0	\$991
Fred's Precision Panels, Inc.	\$249	\$0	\$23	\$483	\$755
Taylor Auto Body LLC	\$334	\$105	\$116	\$0	\$555
Ford Motor Co.	\$514	\$0	\$0	\$0	\$514
Other	\$3,799	\$423	5329	\$100	\$4,651
Total	\$11,682	\$733	\$468	\$926	\$13,809

breaking 11



Analyzing A/R Aging Report ≻ "Tainted" A/R – Fred's

Customer Name	Current	31-60 Days	61-90 Days	<u>90+ days</u>	Total
BMW	\$1,855	\$0	SO	\$0	\$1,855
Daimler	\$1,623	\$205	\$0	\$0	\$1,828
Volkswagen	\$1,077	\$0	\$0	\$343	\$1,420
Toyota	\$1,240	\$0	\$0	\$0	\$1,240
Honda of America Mfg.	\$991	\$0	\$0	SO	\$991
Fred's Precision Panels, Inc.	\$249	\$0	\$23	\$483	\$755
Taylor Auto Body LLC	\$334	\$105	\$116	\$0	\$555
Ford Motor Co.	\$514	\$0	\$0	\$0	\$514
Other	\$3,799	\$423	\$329	\$100	\$4,651
Total	\$11,682	\$733	\$468	\$926	\$13,809



Analyzing A/R Aging Report≻How much of A/R from Fred's is lendable collateral?

Customer Name	Current	31-60 Days	61-90 Days	90+ days	Total
BMW	\$1,855	\$0	\$0	\$0	\$1,855
Daimler	\$1,623	\$205	\$0	\$0	\$1,828
Volkswagen	\$1,077	\$0	\$0	\$343	\$1,420
Toyota	\$1,240	\$0	\$0	\$0	\$1,240
Honda of America Mfg.	\$991	50	50	\$0	\$991
Fred's Precision Panels, Inc.	\$249	\$0	\$23	\$483	\$755
Taylor Auto Body LLC	\$334	\$105	\$116	\$0	\$555
Ford Motor Co.	\$514	\$0	\$0	\$0	\$514
Other	\$3,799	\$423	<u>\$329</u>	<u>\$100</u>	\$4,651
Total	\$11,682	\$733	\$468	\$926	\$13,809

breaking 15

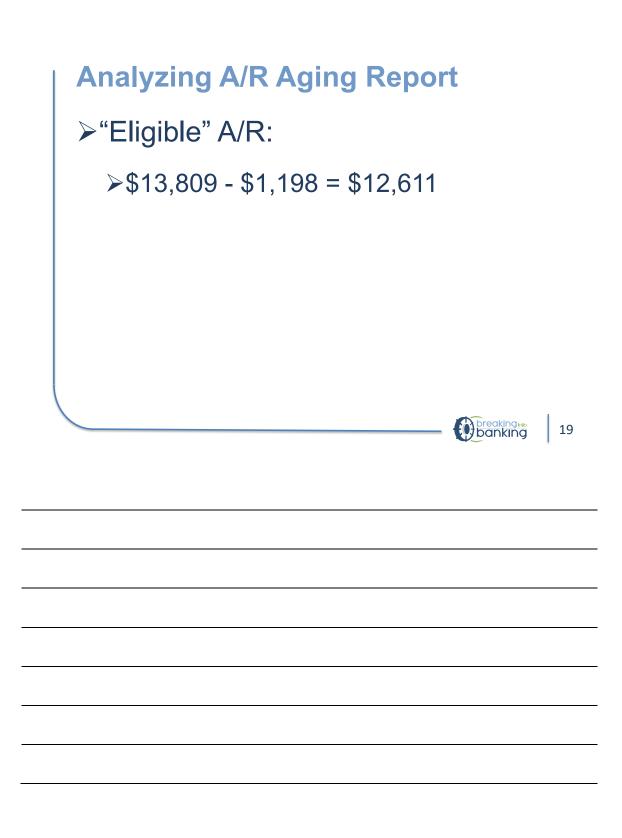
Analyzing A/R Aging Report➢ How much of AMB's total A/R is lendable collateral?

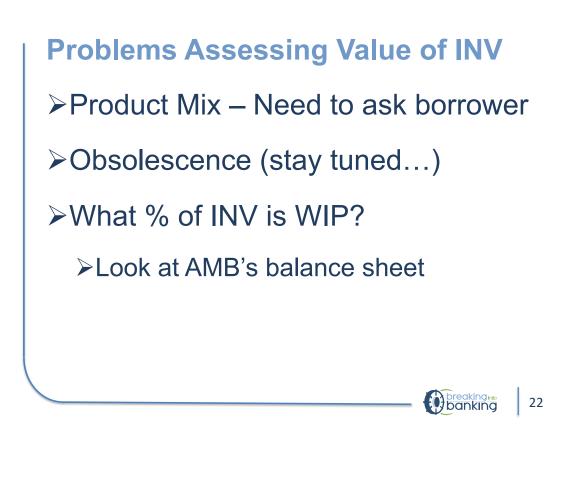
Customer Name	Current	31-60 Days	61-90 Days	90+ days	Total
BMW	\$1,855	\$0	\$0	\$0	\$1,855
Daimler	\$1,623	\$205	\$0	\$0	\$1,828
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Toyota	\$1,240	\$0	\$0	\$0	\$1,240
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Taylor Auto Body LLC	\$334	\$105	\$116	\$0	\$555
Ford Motor Co.	\$514	\$0	\$0	\$0	\$514
Other	\$3,799	\$423	\$329	\$100	\$4,651
Total	\$11,682	\$733	\$468	\$926	\$13,809

Analyzing A/R Aging Report>What about A/R from Taylor?

Customer Name	Current	31-60 Days	61-90 Days	90+ davs	Total
BMW	\$1,855	\$0	\$0	\$0	\$1,855
Daimler	\$1,623	\$205	\$0	\$0	\$1,828
Volkswagen	\$1,077	\$0	\$0	\$343	\$1,420
Toyota	\$1,240	\$0	\$0	\$0	\$1,240
Honda of America Mfg.	\$991	:50	\$0	\$0	\$991
Fred's Precision Panels, Inc.	\$249	50	\$23	\$483	\$755
Taylor Auto Body LLC	\$334	\$105	\$116	\$0	\$555
Ford Motor Co.	\$514	\$0	50	\$0	\$514
Other	\$3,799	\$423	\$329	\$100	\$4,651
Total	\$11,682	\$733	\$468	\$926	\$13,809

breaking 18



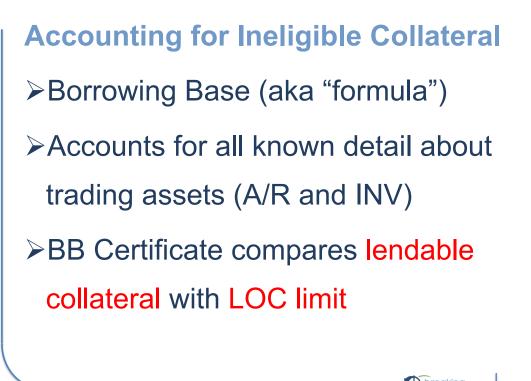


Work-in-Process Inventory

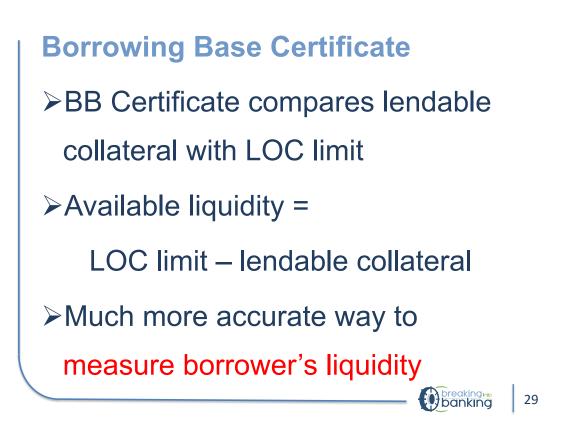
Statement Date	12/31/20X1	12/31/20X2	12/31/20X3
Months Covered	12	12	12
Audit Method	Reviewed	Reviewed	Reviewed
Accountant	C. Brown, CPA	C. Brown, CPA	C. Brown, CPA
Analyst	ATK.	ATK	ATK
Stmt Type	Annual	Annual	Annuel
CURRENT ASSETS			
Cash	4,473	3.461	3,336
Accts Rec - Trade	15,723	13.528	13,809
Raw Materials	4.947	5,751	6.401
Work in Process	1,501	1,645	1,702
Pinsnea Goods	1,991	1,555	4,300
Total Inventory	7,999	8,781	10,009
Other Current Assets	2,023	1,882	2,030
TOTAL CURRENT ASSETS	30,218	27,652	29,184
NON-CURRENT ASSETS	30,218	27,652	29,184
Land & Buildings, net	10,029	11,285	11,309
Property, Plant, Equip, net	17,173	20,001	24,886
Furniture & Fixtures, net	1,464	1,370	1,711
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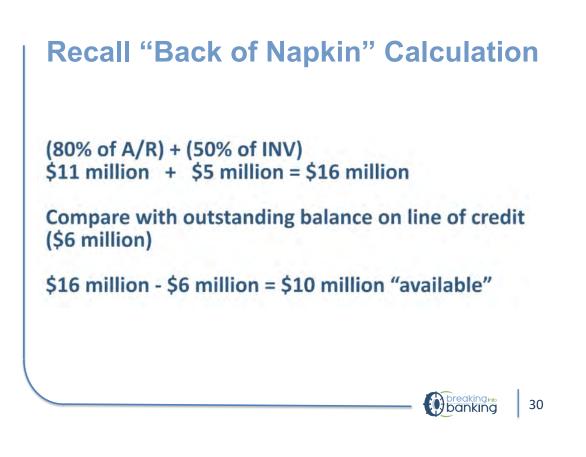
breaking 23

Work-in-Process Inventory
May indeed have value to AMB
Not valuable to bank in liquidation
Exclude from lendable collateral
Probably a bit conservative



breaking 27

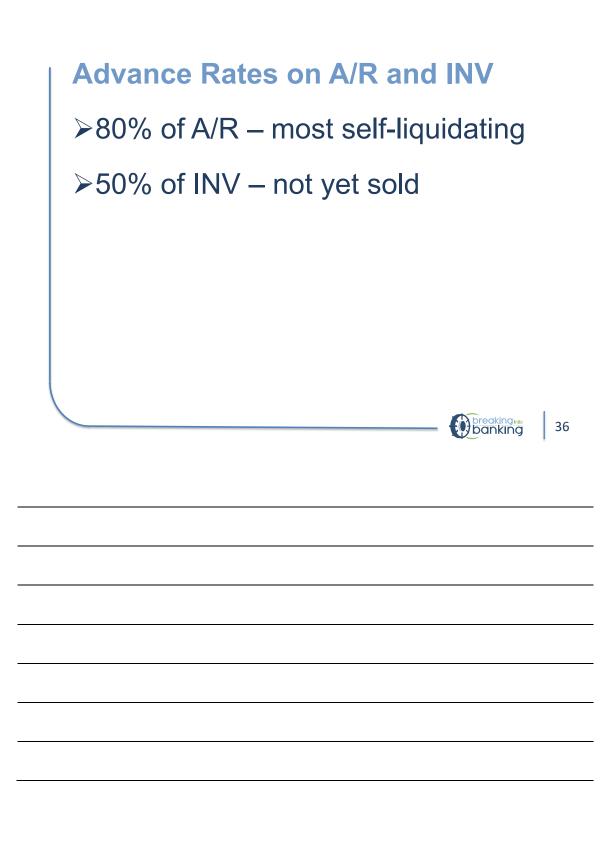




Borrowing Base is More Accurate

		etalBending, Inc. ertificate (12/31/20X3)		
		Accounts Receivable	Inventory	Total
Collateral as of:	12/31/20X3	\$13,809	\$10,009	\$23,818
Less Ineligible Accounts as of	12/31/20X3	\$1,198	\$1,702	\$2,900
Eligible Collateral		\$12,611	\$8,307	\$20.918
Rate of Advance:		80%	50%	
Net Collateral		\$10,089	\$4,154	\$14,242
Line of Credit Limit:				20,000
Less Line Balance as of:	12/31/20X3			\$5,555
Net Availability as of:	12/31/20X3			\$8,687

breaking main 31



Advance Rates on A/R and INV

		etalBending, Inc. ertificate (12/31/20X3)		
		Accounts Receivable	Inventory	Total
Collateral as of:	12/31/20X3	\$13,809	\$10,009	\$23,818
Less Ineligible Accounts as of:	12/31/20X3	\$1,198	\$1,702	\$2,900
Eligible Collateral		\$12,611	\$8,307	\$20,918
Rate of Advance:		80%	50%	
Net Collateral		\$10,089	\$4,154	\$14,242
Line of Credit Limit:				20,000
Less Line Balance as of:	12/31/20X3			\$5,555
Net Availability as of:	12/31/20X3			\$8,687

breaking mb 37

Advance Rates on A/R and INV
Conservative collateral values
How much would bank actually get in event of liquidation?



Conclusion from Borrowing Base

		etalBending, Inc. ertificate (12/31/20X3)		
		Accounts Receivable	Inventory	Total
Collateral as of:	12/31/2083	\$13,809	\$10,009	\$23,818
Less Ineligible Accounts as of:	12/31/20X3	\$1,198	\$1,702	\$2,900
Eligible Collateral		\$12,611	\$8,307	\$20,918
Rate of Advance:		80%	50%	
Net Collateral		\$10,089	\$4,154	\$14,242
Line of Credit Limit:				20,000
Less Line Balance as of:	12/31/20%3			\$5,555
Net Availability as of:	12/31/20X3			\$8,687

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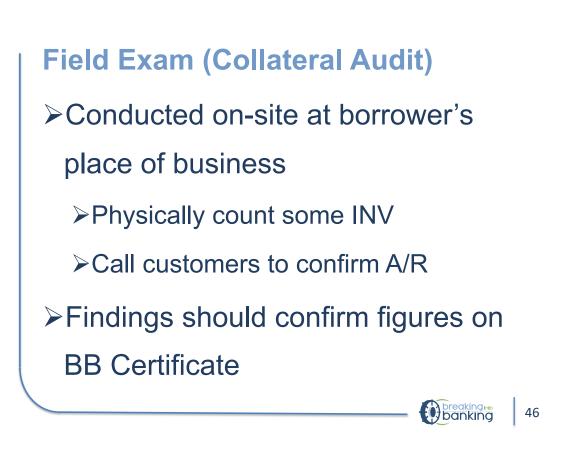


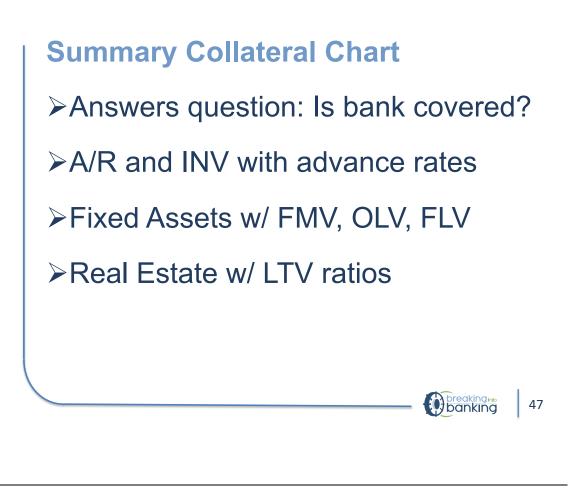
Limitations of Borrowing Bases
Dave: "A BB Certificate is only a piece of paper with numbers on it, until..."



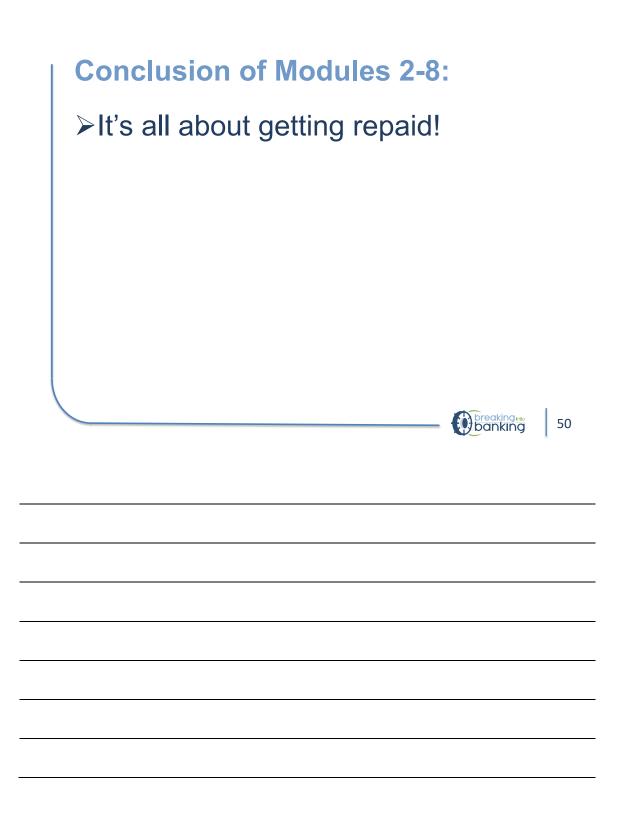
Limitations of Borrowing Bases
 Dave: "A BB Certificate is only a piece of paper with numbers on it, until...the bank conducts a Field
 Exam (aka Collateral Audit)







<section-header>
Unusual Collateral Situations
Unsecured – no collateral
Large companies w/ strong liquidity
Under-secured – collateral is insufficient to cover balance
Typically results from acquisitions
Gap is "airball" or "blue sky" Unusual Collateral Situations
How to mitigate airball risk:
Cash Flow Recapture provision (CFR)
Borrower provides EBITDA projection
Accelerated principal repayment
Reduces leverage (and risk) sooner

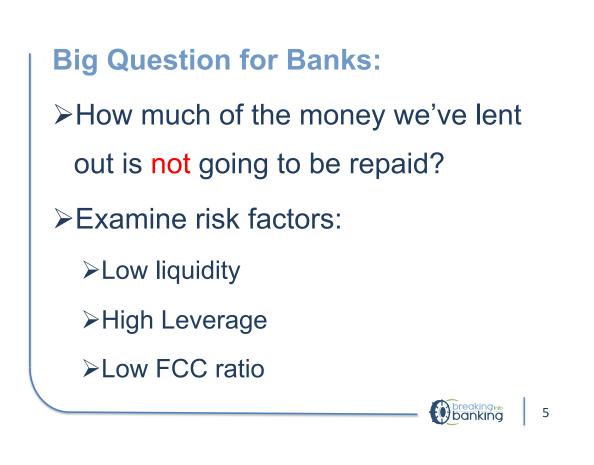


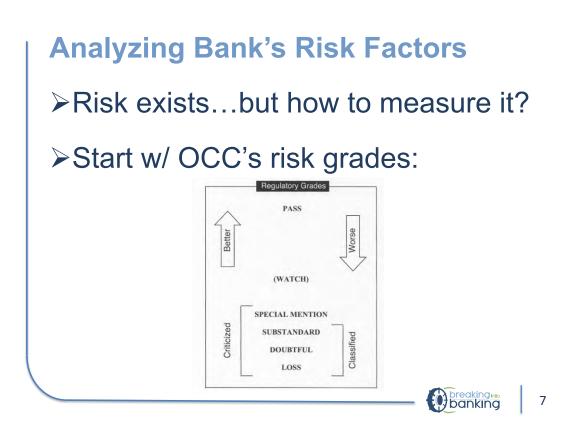
breaking into	
Analyzing Bonovmont	BREAKING into BANKING
<u>Repayment</u> Sources	BANKING
<u>Module 9</u>	CHARTER OF A COMPANY OF A COMPA
Risk Ratings,	ANDY KEUSAL
Expected Loss,	
Loss Provisions	



How Ratio Analysis Impacts Bank
Step back to look at entire portfolio
How do we assess its quality?
i.e., is bank making good loans, and are they continuing to perform well?





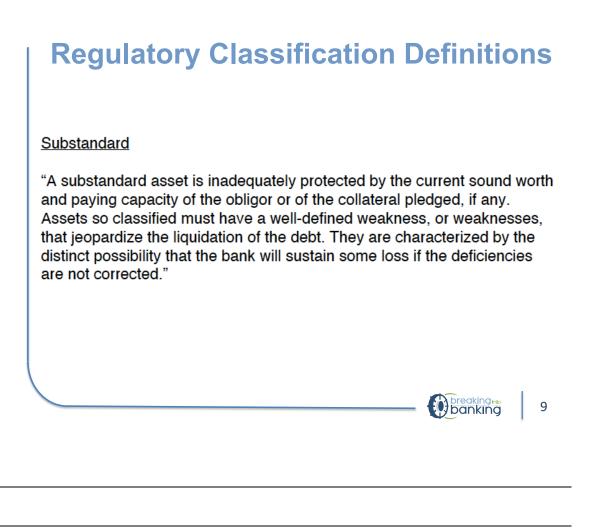


Regulatory Classification Definitions

Special mention (SM)

"A special mention asset has potential weaknesses that deserve management's close attention. If left uncorrected, these potential weaknesses may result in deterioration of the repayment prospects for the asset or in the institution's credit position at some future date. Special mention assets are not adversely classified and do not expose an institution to sufficient risk to warrant adverse classification."





Pass Credits Require Granularity

Classi	fication	Risk Rating
Pass		1
Pass		2
Pass		3
Pass		4
Pass		5
Pass		6
Watch	r	7
Specia	Mention	8
	andard	9
Substa	andard Non-Accrual	10
Doubt		11
Loss		12

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Q #1: What Is Chance He Will Fall?

≻Strength

≻Stamina

- ≻Experience
- ≻Maturity



Q #1: What is Probability of Default?

≻Strength

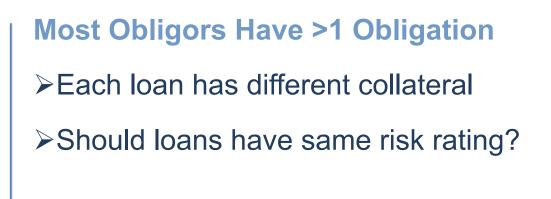
≻Stamina

- ≻Experience
- ≻Maturity



Probability of Default (PD)

PD	Classification	Risk Rating
0.10%	Pass	1
0.15%	Pass	2
0.20%	Pass	3
0.30%	Pass	4
1.00%	Pass	5
4,00%	Pass	6
6.00%	Watch	7
10.00%	Special Mention	8
20.00%	Substandard	9
30.00%	Substandard Non-Accrual	10
35.00%	Doubtful	11
100.00%	Loss	12





Q #2: How Bad Will It Be if He Falls?

How high is he?What to land on?



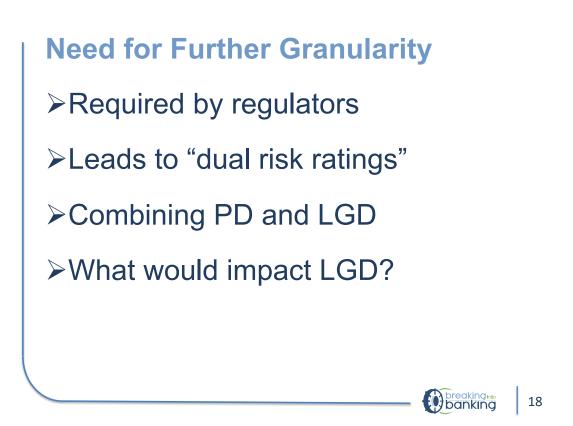
Q #2: What is Loss Given Default?

How high is he?
What to land on?
LGD or LIED
(Loss in Event)

of Default)



17



Q #1: What is Probability of Default?

➤Weak arms

➤Tired

➢First climb

≻Daredevil



Q #1: What is Probability of Default?

➤Weak arms

➤Tired

≻First climb

≻Daredevil

→ High PD



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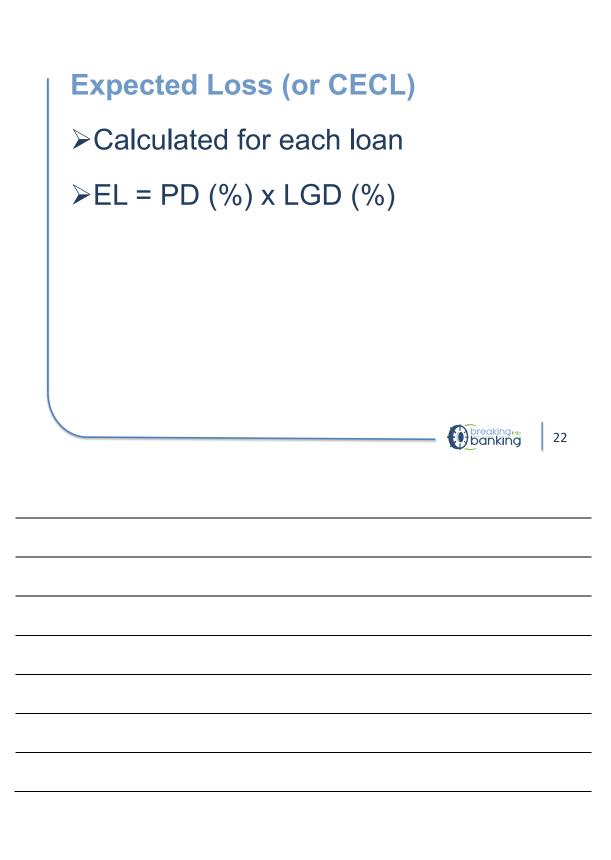
Q #2: What is Loss Given Default?

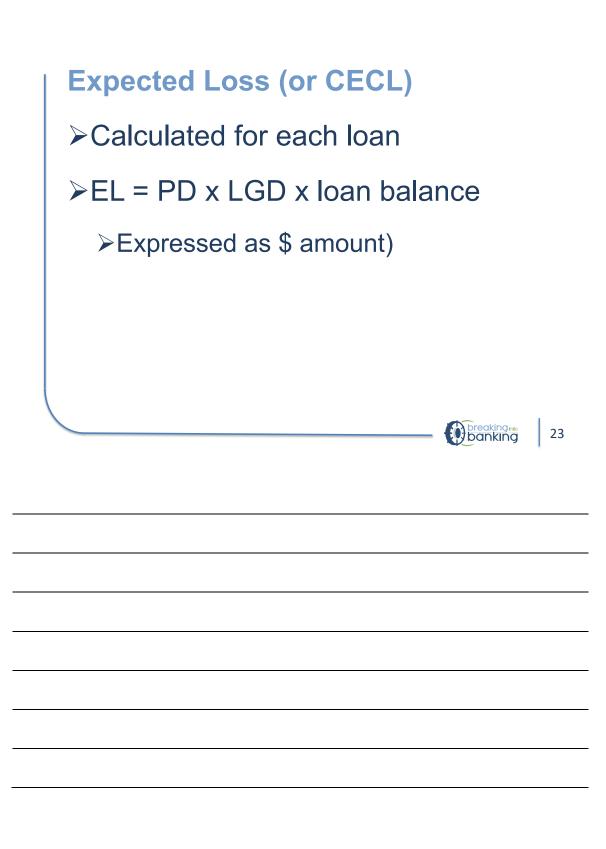
His feet are only 6" off of the ground

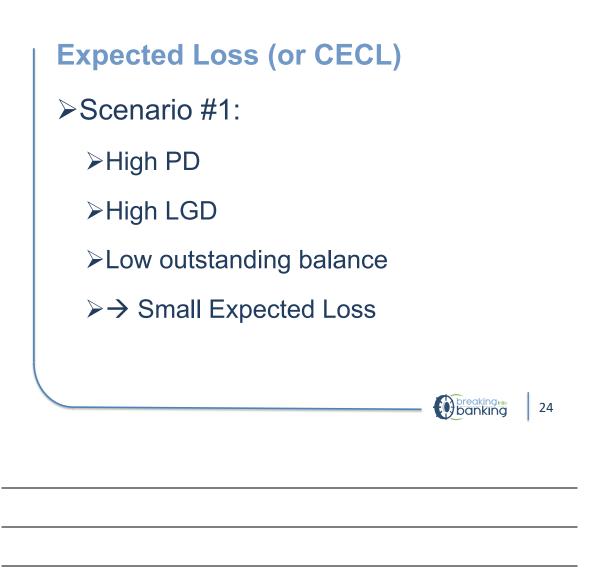
 \rightarrow Low LGD

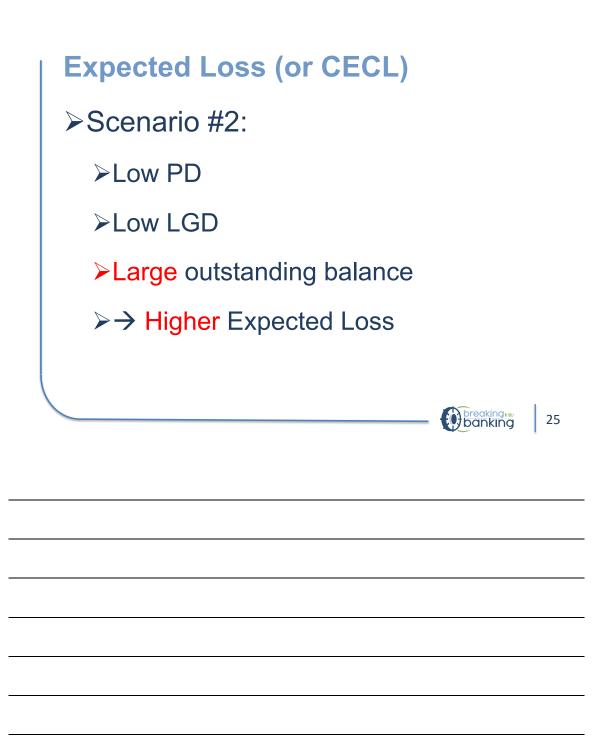


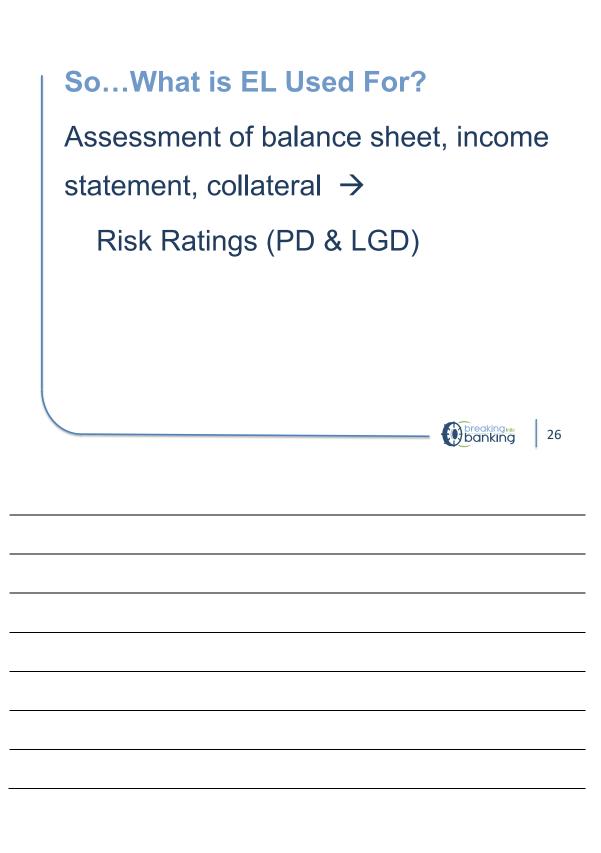
21

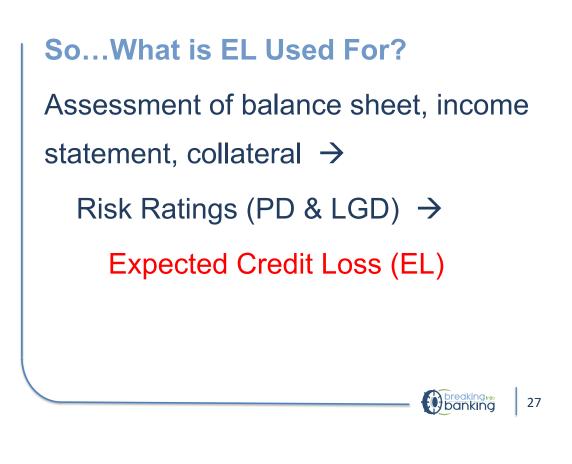












SoWhat is EL Used For?
Assessment of balance sheet, income
statement, collateral \rightarrow
Risk Ratings (PD & LGD) →
Expected Credit Loss (EL) \rightarrow
Provision for Credit Losses
28

Income Statement Data (\$000)

	2009	2010	2011	2012	2013	
Interest Income	\$2,238,142	\$2,145,392	\$1,970,226	\$1,930,263	\$1,860,637	
Interest Expense	\$813,855	\$526,587	\$341,056	\$219,739	\$156,029	
Net Interest Income	\$1,424,287	\$1,618,805	\$1,629,170	\$1,710,524	\$1,704,608	
Provision for Credit Losses	\$2,074,671	\$634,547	\$174,059	\$147,388	\$90,045	
Net Interest Income after Provision	\$650,384	\$984,258	\$1,455,111	\$1,563,136	\$1,614,563	
Net Income (loss)	\$3,097,179	\$312,347	\$542,613	\$641,022	\$638,741	

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breaking me banking

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Net Income (loss)	\$3,097,179	\$312,347	\$542,613	\$641,022	\$638,741

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And They Lived Happily Ever After...

	2009	2010	2011	2012	2013
Interest Income	\$2,238,142	\$2,145,392	\$1,970,226	\$1,930,263	\$1,860,637
Interest Expense	\$813,855	\$526,587	\$341,056	\$219,739	\$156,029
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Net Income (loss)	\$3,097,179	\$312,347	\$542,613	\$641,022	\$638,741

Conclusion

≻Your job really does matter

➢Banks need sound financial analysis

➤Current and accurate loan data

➤Correct risk ratings and EL figures

>When your bank prospers, so will you