

# BALANCE SHEET OF A COMMERCIAL BANK

**ASSETS = LIABILITIES + NET WORTH** 

# FORMATION OF A COMMERCIAL BANK ASSETS (OWN) LIABILITIES (OWE)

**NET WORTH** 

ASSETS



ASSETS

NET WORTH

Cash	ash \$250,000		\$250,000
	Î		
Denosi	t Added	to Vault C	ash

ASSETS		N	NET WORTH
Property	250,000	Capital Stock	\$250,000



In 1934, federal deposit insurance made its debut at \$2,500 to protect the average family's savings and end the bank runs that had shut down businesses and contributed to the Great Depression. Through the years the coverage rose in \$5,000 increments until the 70s when it jumped to \$40,000. In 1980, it was raised to \$100,000.

'90

'00

**ASSETS** 



#### ASSETS

NET WORTH

Cash Property **\$100,000** 250,000 Checkable Deposits Capital Stock

**\$100,000** 250,000

# FORMATION OF A COMMERCIAL BANK ASSETS

Cash Property

# **NOTES:**

Bank deposits are subject to a *reserve requirement*.

**\$100,000** 250,000

Reserve ratio

#### ASSETS

**NET WORTH** 

Cash Property	<b>\$100,000</b> 250,000	Checkable Deposits Capital Stock	<mark>\$100,000</mark> 250,000
Actual Reserves	\$ 100,000		
• Required Reserves -	\$ 20,000		
Excess Reserves	\$ 80,000		

#### ASSETS

**NET WORTH** 

Cash	\$100,000	Checkable	
Property	250,000	Deposits	\$100,000
		Capital Stock	250,000

#### Important Issue...

1 - Excess Reserves = Actual Reserves – Required Reserves (assume 20% reserve requirement) \$100,000 - 20,000 = \$80,000



ASSETS	4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		NET WORTH
Cash Reserves Property	\$0 100,000 250,000	Checkable Deposits Capital Stock	\$100,000 250,000



#### ASSETS

NET WORTH

Cash Reserves Property	\$0 <b>50,000</b> 250,000	Checkable Deposits Capital Stock	<b>\$ 50,000</b> 250,000

## And What Happens If A Turtle Doesn't Keep Up with His Mortgage Payments





# FORMATION OF A COMMERCIAL BANK ASSETS • • • • • • • • • BILITIES AND NET WORTH

Cash Reserves Property

# **NOTES:**

Banks create money by lending excess reserves and destroy it by loan repayment. Purchasing bonds from the public also creates money. \$ 50,000 250,000



#### ASSETS **NET WORTH** \$ 50,000 Checkable Reserves \$90,000 40,000 **Deposits** Loans 250,000 **Capital Stock** 250,000 Property Making the loan created money!



ASSETS			NET WORTH
Reserves Loans Property	<b>\$ 10,000</b> 40,000 250,000	Checkable Deposits Capital Stock	\$ 50,000 250,000

After a check for the \$40,000 is drawn against the bank



ASSETS			NET WORTH
Reserves	\$ 50,000	Checkable	¢400.000
Securities	50,000	Deposits	\$100,000
Property	250,000	Capital Stock	250,000

#### **MULTIPLE DEPOSIT EXPANSION PROCESS**

				Amount bank
A	cquired reserves	Required	Excess	can lend - New
Bank	and deposits	reserves	reserves	money created
Α	\$100.00	\$20.00	\$80.00	\$80.00
В	80.00	16.00	64.00	64.00
С	64.00	12.80	51.20	51.20
D	51.20	10.24	40.96	40.96
E	40.96	8.19	32.77	32.77
F	32.77	6.55	26.21	26.21
G	26.21	5.24	20.97	20.97
Н	20.97	4.20	16.78	16.78
1	16.78	3.36	13.42	13.42
J	13.42	2.68	10.74	10.74
K	10.74	2.15	8.59	8.59
L	8.59	1.72	6.87	6.87
M	6.87	1.37	5.50	5.50
N	5.50	1.10	4.40	4.40
Other ba	nks 21.99	4.40	17.59	17.59
Total amour	nt of money creat	ed by the b	anking syste <mark>n</mark>	<b>\$400.00</b>

#### **MULTIPLE DEPOSIT EXPANSION PROCESS**



### **THE MONETARY MULTIPLIER**



### **OUTCOME OF MONEY EXPANSION**



