## 2

## **Debits and Credits: Analyzing and Recording Business Transactions**

#### ANSWERS TO DISCUSSION QUESTIONS AND CRITICAL THINKING/ETHICAL CASE

- 1. A ledger is a group of accounts that records in monetary value data from business transactions.
- 2. Because that is always the debit side. It is an arbitrary rule.
- 3. False. Accounts with one entry will not need footings.
- 4. The end product of the accounting process is preparing financial reports.
- 5. The transaction analysis chart is a teaching device that is not used in the regular accounting process.
- 6. Accounts affected, category,  $\uparrow \downarrow$ , rules, update of T accounts.
- 7. The analysis of transactions results in the total of debits being equal to total of credits. A double-entry system provides a system of checks and balances.
- 8. False. Informal report; does not have the same status as financial reports.
- 9. The financial reports are prepared from the ending balances of the accounts (debit or credit) in the ledger. These ending balances are then used on financial reports. The inside columns on financial reports are for sub totaling.
- 10. It is easier to prepare the reports from the trial balance, because a list of all accounts and their balances is provided. The columns for revenue, expenses, etc., on the expanded accounting equation do not list specific titles and their balances.
- 11. The question in this case is whether Audrey should be allowed to put fictitious figures into the trial balance. Although Audrey has good intentions, this type of behavior cannot be tolerated. Her actions are extremely unprofessional and go against all accounting standards (not to mention ethics!). Instead of putting in fictitious figures, Audrey should stay late and correct the trial balance (or perhaps engage an assistant to help her so she could catch the plane).





#### SOLUTIONS TO CLASSROOM DEMONSTRATION EXERCISES

<i>1</i> .	Cash		\$17,2	00	Debit Balance				
	<i>C. C</i>	lark, Capital	\$11,00	00	Credit Balance				
<i>2</i> .	A.	Liability	Cr.	Dr.	Cr.				
	<b>B</b> .	Revenue	Cr.	Dr.	Cr.				
	<i>C</i> .	Asset	Dr.	Cr.	Dr.				
	D.	Capital	Cr.	Dr.	Cr.				
	E.	Withdrawals	Dr.	Cr.	Dr.				
	F.	Asset	Dr.	Cr.	Dr.				
	<i>G</i> .	Expense	Dr.	Cr.	Dr.				

3.

				Cash
Cash	Asset	<b>↑</b>	Dr.	600
Accounts Receivable	Asset	<b>↑</b>	Dr.	Accounts Receivable 1,900
Bookkeeping Services	Revenue	<b>↑</b>	Cr.	Bookkeeping Fees 2,500

Cash *5*.  $\boldsymbol{A}$ . BS Accounts Receivable В. BS *C*. BS Office Equipment D. BS Accounts Payable J. Joy, Capital E. **OE** J. Joy, Withdrawals F. OEG. IS Hair Salon Fees Earned Advertising Expense Н. IS Salary Expense I. IS Utility Expense J. IS *K*. IS

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#### SOLUTIONS TO EXERCISES—SET A

#### EXERCISE 2-1A.

Balance Sheet Accounts
Assets
111 Cash
112 Accounts Receivable
121 Office Equipment
Liabilities
211 Accounts Payable
Owner's Equity
311 L. Jones, Capital
312 L. Jones, Withdrawals
Income Statement Accounts
Revenue
411 Legal Fees
Expenses
511 Advertising Expense
512 Repair Expense
513 Salary Expense

#### EXERCISE 2-4A.

	Dr.	Cr.
<i>A</i> .	8	1
В.	6	1
<i>C</i> .	9	4
D.	1	7
E.	10	1
F.	3	5
G.	2	7
Н.	1	2
I.	3	4

#### EXERCISE 2-2A.

1.	2.	3.	4.	5.
Accounts Affected	Category	<b>↑</b> ↓	Rules	T-Account Update
				Computer Equipment
Computer Equipment	Asset	<b>↑</b>	Dr.	19,000
				Accounts Payable
Accounts Payable	Liability	↑	Cr.	16,000
				Cash
Cash	Asset		Cr.	3,000

#### EXERCISE 2-3A.

ACCOUNT	CATEGORY	<b>↑</b>	<b>V</b>	FINANCIAL
Supplies	Asset	Dr.	Cr.	Balance Sheet
Legal Fees Earned	Revenue	Cr.	Dr.	Income Statement
P. Rey, Withdrawals	Owner's Equity (Withdrawals)	Dr.	Cr.	Statement of Owner's Equity
Accounts Payable	Liability	Cr.	Dr.	Balance Sheet
Salaries Expense	Expense	Dr.	Cr.	Income Statement
Auto	Asset	Dr.	Cr.	Balance Sheet





#### SOLUTIONS TO EXERCISES—SET A Cont.

#### EXERCISE 2-5A.

#### HALL'S CLEANERS

#### **INCOME STATEMENT**

#### FOR THE MONTH ENDED JULY 31, 2016

Revenue:								
Cleaning Fees						\$ 4	5	80
Operating Expenses:								
Salaries Expense	\$	1	6	0	00			
Utilities Expense		1	1	3	00			
Total Operating Expenses						2	7.	3 0
Net Income						\$ 1	8.	50

#### HALL'S CLEANERS

#### STATEMENT OF OWNER'S EQUITY

#### FOR THE MONTH ENDED JULY 31, 2016

					 _	_		
J. Hall, Capital, July 1, 2016					\$ 8	0	o o	0
Net Income for July	\$ 1	8	5	00				
Less: Withdrawals for July	1	9	8	00				
Decrease in Capital						1	3 0	0
J. Hall, Capital, July 31, 2016					\$ 7	8	70	0

#### HALL'S CLEANERS

#### BALANCE SHEET

#### JULY 31, 2016

#### **ASSETS**

#### LIABILITIES AND OWNER'S EQUITY

Cash	\$	5	5	0	00	Liabilities:					
Equipment		6	9	2	00	Accounts Payable		4	5	5	00
						Owner's Equity					
						J. Hall, Capital		7	8	7	00
						Total Liabilities and					
Total Assets	\$1	2	4	2	00	Owner's Equity	\$1	2	4	2	00

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#### SOLUTIONS TO EXERCISES—SET B

#### EXERCISE 2-1B.

Balance Sheet Accounts
Assets
111 Cash
112 Accounts Receivable
121 Office Equipment
Liabilities
211 Accounts Payable
Owner's Equity
311 L. Jones, Capital
312 L. Jones, Withdrawals
Income Statement Accounts
Revenue
411 Legal Fees
Expenses
511 Cleaning Expense
512 Office Assistance Expense
513 Rent Expense

#### EXERCISE 2-4B.

	Dr.	Cr.
<i>A</i> .	11	1
В.	6	1
<i>C</i> .	12	4
D.	1	7
E.	2	7
F.	3	4
G.	10	4
Н.	1	2
I.	3	5

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#### EXERCISE 2-2B.

1.	2.	3.	4.	5.
Accounts Affected	Category	^ ↓	Rules	T-Account Update
				Computer Equipment
Computer Equipment	Asset	↑	Dr.	21,000
				Accounts Payable
Accounts Payable	Liability	↑	Cr.	16,000
				Cash
Cash	Asset		Cr.	5,000

#### EXERCISE 2-3B.

ACCOUNT	CATEGORY	<b>↑</b>	<b>\</b>	FINANCIAL
Supplies	Asset	Dr.	Cr.	Balance Sheet
Legal Fees Earned	Revenue	Cr.	Dr.	Income Statement
P. Rey, Withdrawals	Owner's Equity (Withdrawals)	Dr.	Cr.	Statement of Owner's Equity
Cash	Asset	Dr.	Cr.	Balance Sheet
Accounts Receivable	Asset	Dr.	Cr.	Balance Sheet
Rent Expense	Expense	Dr.	Cr.	Income Statement







#### SOLUTIONS TO EXERCISES—SET B Cont.

#### EXERCISE 2-5B.

#### HALL'S CLEANERS

#### **INCOME STATEMENT**

#### FOR THE MONTH ENDED JULY 31, 2016

Revenue:									
Cleaning Fees						\$ 7	4 8	8 0	0
Operating Expenses:									
Salaries Expense	\$	2	5	0	00				
Utilities Expense			8	3	00				
Total Operating Expenses						3	3 3	3 0	0
Net Income						\$ 4	1 :	5 0	0
								T	

#### HALL'S CLEANERS

#### STATEMENT OF OWNER'S EQUITY

#### FOR THE MONTH ENDED JULY 31, 2016

J. Hall, Capital, July 1, 2016	<u> </u>					\$ 7	0	00	0
Net Income for July		\$ 4	1	5	00				
Less: Withdrawals for July		2	4	5	00				
Increase in Capital						1	7	00	0
J. Hall, Capital, July 31, 2016						\$ 8	7	00	0
									٦

#### HALL'S CLEANERS

#### **BALANCE SHEET**

#### JULY 31, 2016

#### **ASSETS**

#### LIABILITIES AND OWNER'S EQUITY

Cash	\$	7	5	0	0	o	Liabilities:					
Equipment		6	4	5	0	0	Accounts Payable	\$	5	2	5	00
							Owner's Equity					
							J. Hall, Capital		8	7	0	00
							Total Liabilities and					
Total Assets	\$1	3	9	5	0	0	Owner's Equity	\$1	3	9	5	00

#### PROBLEM 2A-1.

Accounts Affected	Category	Inc. Dec.	Rules	T-Accoun	nt Update
A. Cash	Asset	<b>^</b>	Dr.		Bill O'Brien,
Bill O'Brien, Capital	Owner's Equity	<b>↑</b>	Cr.	21,000	21,000
B. Delivery Trucks	Asset	<b>↑</b>	Dr.	Delivery Trucks	Accounts Payable
Accounts Payable	Liability	<b>↑</b>	Cr.	9,000	9,000
C. Rent Expense	Expense	<b>^</b>	Dr.	Rent Expense	Accounts Payable
Accounts Payable	Liability	<b>^</b>	Cr.	900	900
D. Cash	Asset	<b>↑</b>	Dr.	Cash	Fees Earned
Fees Earned	Revenue	<b>↑</b>	Cr.	1,400	1,400
E. Accounts Receivable	Asset	<b>↑</b>	Dr.	Accounts Receivable	Fees Earned
Fees Earned	Revenue	<b>↑</b>	Cr.	150	150
F. Bill O'Brien,	Owner's Equity	<b>↑</b>	Dr.	Bill O'Brien,	
Withdrawals	(Withdrawals)			Withdrawals 400	
Cash	Asset	<b>^</b>	Cr.	700	400

#### PROBLEM 2A-2.

Cash		111	Bernie Pillows, Withdrawals	312
(A) 20,000	90 (D)		(D) 90	
(C) 900	400 (E)			
	1,000 (G)			
Office Equipment		121	Consulting Fees Earned	411
(B) 5,000			900 (C)	
Accounts Payable		211	Advertising Expense	511
(G) 1,000	5,000 (B)		(E) 400	
, , ,	1,400 (F)			
Bernie Pillows, Ca	pital	311	Rent Expense	512
	20,000 (A)		(F) 1,400	

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#### PROBLEM 2A-3.

(a)

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Cash	111	Accounts Payable	211	Fees Earned	411
(A) 7,000	200 (D)	(D) 200	1,300 (C)		8,000 (B)
(G) 3,500	200 (E)		1,100		
	400 (F)				
	200 (H)				
10,500	900 (I)				
	1,900				
8,600					
Accounts Receiva	able 112	Barry Joy, Capital	311	Rent Expense	511
(B) 8,000	3,500 (G)		7,000 (A)	(F) 400	
4,500					
Office Equipment	t 121	Barry Joy, Withdra	wals 312	Utilities Expense	512
(C) 1,300		$\frac{20117909}{(I)900}$	.,,,,,,,	$\frac{E}{(E) 200}$	012
(H) 200		(=) 2 2 3		(_/	
1,500					
<b>(b)</b>					
		D / DDIVIG GI E	ATTAC GENERAL		

<i>0)</i>	BARRY'S CLEANING SERVICE	
	TRIAL BALANCE	
	MAY 31, 2016	

		D	r.			(	<i>r</i> .		
Cash	8	6	0	00					
Accounts Receivable	4	5 0	0	00					
Office Equipment	1	5 0	0	00					
Accounts Payable					1	1	0	0	00
Barry Joy, Capital					7	0	0	0	00
Barry Joy, Withdrawals		9 0	0	00					
Fees Earned					8	0	0	0	00
Rent Expense		4 0	0	00					
Utilities Expense		2 0	0	00					
Totals	16	1 0	0	00	16	1	0	0	00



#### PROBLEM 2A-4.

GRACE LANTZ

BARRISTER AND SOLICITOR

INCOME STATEMENT

FOR THE MONTH ENDED MAY 31, 2017

Revenue:										
Revenue from Legal Fees						\$ 2	3	5	0	00
Operating Expenses:										
Utilities Expense	\$	3	0	0	00					
Rent Expense		4	5	0	00					
Salaries Expense	1	1	5	0	00					
Total Operating Expenses						1	9	0	0	00
Net Income						\$	4	5	0	00

GRACE LANTZ

BARRISTER AND SOLICITOR

STATEMENT OF OWNER'S EQUITY

FOR THE MONTH ENDED MAY 31, 2017

Grace Lantz, Capital, May 1, 2017						\$1	2	7	5	00
Net Income for May	\$	4	5	0	00					
Less: Withdrawals for May		3	0	0	00					
Increase in Capital							1	5	0	0 (
Grace Lantz, Capital, May 31, 2017						\$1	4	2	5	0
							Γ			
							T		T	_



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### PROBLEM 2A-4., Cont.

(c)	
	GRACE LANTZ
	BARRISTER AND SOLICITOR
	BALANCE SHEET
	MAY 31, 2017

#### **ASSETS**

#### LIABILITIES AND OWNER'S EQUITY

Assets:						Liabilities:										
Cash	\$5	0	0	0	00	Accounts Payable	\$4	3	0	0	00					
Accounts Receivable		6	5	0	00	Salaries Payable		6	7	5	00					
Office Equipment		7	5	0	00	Total Liabilities						\$ 4	9	7 5	5 0	0
						Owner's Equity										
						Grace Lantz, Capital						1	4	2 5	5 0	0
														$\perp$		
						Total Liabilities and										
Total Assets	\$6	4	0	0	00	Owner's Equity						\$ 6	4	0 (	) (	0







#### PROBLEM 2A-5.

1., 2., 3.

Cash	111	Accounts Payable	211	Advertising Expense	511
(A) 16,000	600 (C)	18,0	000(B)	(D) 250	
(E) 2,600	250 (D)	7	00 (I)		
(J) 300	900 (F)	18,	700		
	1,200 (G) 300 (K)	Alice Angel, Capital	311	Gas Expense	512
18,900	3,250	16,0	000 (A)	(G) 1,200	
15,650					
Accounts Recei	vable 112 300 (J)				
500	300 (3)	Alice Angel, Withdraw	als 312	Salaries Expense	513
Office Equipme	ent 121	(K) 300		(F) 900	
(C) 600		Delivery Fees Earned	411_	Telephone Expense	514
		·	600 (E) 00 (H)	(I) 700	
Delivery Trucks	122		100	'	
(B) 18,000					

4. ANGEL'S DELIVERY SERVICE
TRIAL BALANCE

MARCH 31, 2016

	Dr. Cr.
Cash	
Accounts Receivable	5 0 0 0 0
Office Equipment	6 0 0 0 0
Delivery Trucks	1 8 0 0 0 0 0 0
Accounts Payable	
Alice Angel, Capital	
Alice Angel, Withdrawals	3 0 0 0 0 0
Delivery Fees Earned	3 4 0 0 0
Advertising Expense	2 5 0 0 0
Gas Expense	1 2 0 0 0 0
Salaries Expense	9 0 0 0 0
Telephone Expense	7 0 0 0 0
Totals	3 8 1 0 0 0 0 3 8 1 0 0 0

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#### PROBLEM 2A-5, Cont.

5.(a)

#### ANGEL'S DELIVERY SERVICE

#### **INCOME STATEMENT**

#### FOR THE MONTH ENDED MARCH 31, 2016

Revenue:										
Delivery Fees Earned						\$3	4	0	0	00
Operating Expenses:										<u> </u>
Advertising Expense	\$	2	5	0	00					
Gas Expense	1	2	0	0	00					
Salaries Expense		9	0	0	00					
Telephone Expense		7	0	0	00					
Total Operating Exenses						3	0	5	0	00
Net Income						\$	3	5	0	00

*5.(b)* 

#### ANGEL'S DELIVERY SERVICE

#### STATEMENT OF OWNER'S EQUITY

#### FOR THE MONTH ENDED MARCH 31, 2016

A. Angel, Capital, March 1, 2016						\$16	0	0	0	00
Net Income for March	\$	3	5	0	00				T	
Less: Withdrawals for March		3	0	0	00					
Increase in Capital								5	0	00
A. Angel, Capital, March 31, 2016						\$16	0	5	0	00
									T	

*5.(c)* 

#### ANGEL'S DELIVERY SERVICE

#### **BALANCE SHEET**

#### MARCH 31, 2016

ASSET	S					LIABILITIES AND OWNER	'S EQUI	T	Y		
Assets:						Liabilities:					
Cash	\$15	6	5	0	00	Accounts Payable	\$18	3 2	7 0	0 0	00
Accounts Receivable		5	0	0	0 0						
Office Equipment		6	0	0	0 0	Owner's Equity:					
Delivery Trucks	18	0	0	0	00	A. Angel, Capital	16	6	5	0	00
						Total Liabilities and					
Total Assets	\$34	7	5	0	00	Owner's Equity	\$34	! 7	7 5	0	0
								T			

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#### PROBLEM 2B-1.

Accounts Affected	Category	Inc. Dec.	Rules	T-Account Update						
A. Cash	Asset	1	Dr.	Cash	Bill O'Brien, Capital					
Bill O'Brien, Capital	Owner's Equity	<b>↑</b>	Cr.	2,500	2,500					
B. Delivery Trucks	Asset	<b>↑</b>	Dr.	Delivery Trucks	Accounts Payable 900					
Accounts Payable	Liability	<b>↑</b>	Cr.	, , , , , , , , , , , , , , , , , , ,	ı					
C. Rent Expense	Expense	<b>^</b>	Dr.	Rent Expense	Accounts Payable					
Accounts Payable	Liability	<u> </u>	Cr.	250	250					
D. Cash	Asset	<b>↑</b>	Dr.	Cash	Fees Earned					
Fees Earned	Revenue	<b>^</b>	Cr.	1,200	1,200					
E. Accounts Receivable	Asset	<b>^</b>	Dr.	Accounts Receivable	Fees Earned					
Fees Earned	Revenue	<b>^</b>	Cr.	700	700					
F. Bill O'Brien, Withdrawals	Owner's Equity (Withdrawals)	<b>†</b>	Dr.	Bill O'Brien, Withdrawals	Cash					
Cash	Asset	<b>^</b>	Cr.	275	275					

#### PROBLEM 2B-2.

Cash		111_	Bernie Pillows, Withdrawals	312
(A) 20,000	200 (D)		(D) 200	
(C) 1,200	600 (E)			
	400 (G)			
Office Equipment		121	Consulting Fees Earned	411
(B) 6,000			1,200 (	(C)
Accounts Payable		211	Advertising Expense	511
(G) 400	6,000 (B) 500 (F)		(E) 600	
Bernie Pillows, Ca	pital	311	Rent Expense	512
	20,000 (A)		(F) 500	

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#### PROBLEM 2B-3.

*(a)* 

Cash	111	Accounts Payable	211	Fees Earned		411
(A) 10,000 4,000 (C)	)	2,00	$\theta$ (B)		4,000 (F)	
(F) 4,000 310 (D)	)				4,000 (G)	
(G) 2,000 50 (E)	)				8,000	
600 (H)	)					
16,000 4,960						
11,040						
Accounts Receivable	112	Barry Joy, Capital	311	Rent Expense		511
(G) 2,000		10,00	0 (A)	(D) 310		
Office Equipment	121	Barry Joy, Withdrawals	312	Utilities Expense		512
(B) 2,000		(H) 600		(E) 50		
(C) 4,000						
6,000						

*(b)* 

BARRY'S CLEANING SERVICE

Ditter 5 CEEE TOTAL
TRIAL BALANCE
MAY 31, 2016

		I	r.				Cr.			
Cash	11	0	4	0	00					
Accounts Receivable		_	$\rightarrow$	_	00					
Office Equipment	6	0	0	0	00					
Accounts Payable						2	0	0	0	00
Barry Joy, Capital						10	0	0	0	00
Barry Joy, Withdrawals		6	0	0	00					
Fees Earned						8	0	0	0	00
Rent Expense		3	1	0	00					
Utilities Expense			5	0	00					
Totals	20	0	0	0	00	20	0	0	0	00



#### PROBLEM 2B-4.

(a)

### GRACE LANTZ BARRISTER AND SOLICITOR

#### INCOME STATEMENT

#### FOR THE MONTH ENDED MAY 31, 2017

Revenue:										
Revenue from Legal Fees						\$9	8	0	0	0 (
Operating Expenses:										
Utilities Expense	\$	1	0	0	00					
Rent Expense		3	0	0	00					
Salaries Expense	1	4	0	0	00					
Total Operating Expenses						1	8	0	0	9 (
Net Income						\$8	0	0	0	9 (

*(b)* 

#### **GRACE LANTZ**

#### BARRISTER AND SOLICITOR

#### STATEMENT OF OWNER'S EQUITY

#### FOR THE MONTH ENDED MAY 31, 2017

Grace Lantz, Capital, May 1, 2017						\$4	0	0	o a	) (
Net Income for May	\$8	0	0	0	00					
Less: Withdrawals for May	2	0	0	0	00				T	
Increase in Capital						6	0	0	0 0	)
Grace Lantz, Capital, May 31, 2017						\$10	0	0	0 0	)
									T	
									T	
							H		+	-

### PROBLEM 2B-4., Cont.

*(c)* 

GRACE LANTZ
BARRISTER AND SOLICITOR
BALANCE SHEET
MAY 31, 2017

#### **ASSETS**

#### LIABILITIES AND OWNER'S EQUITY

Assets:						Liabilities:									
Cash	\$6	0	0	0	00	Accounts Payable	\$ 2	0	0	00		Τ			
Accounts Receivable	2	4	0	0	0 0	Salaries Payable	6	0	0	00					
Office Equipment	2	4	0	0	00	Total Liabilities					\$	8	0	0	00
						Owner's Equity									
						Grace Lantz, Capital					10	0	0	0	00
						Total Liabilities and									
Total Assets	\$10	8	0	0	00	Owner's Equity					\$10	) {	8 0	0	00
												Τ			





#### PROBLEM 2B-5.

1., 2., 3.

Cash	111	Accounts Payable	211	Advertising Expense	511
(A) 40,000	2,500 (D)	25,0	00 (B)	(C) 800	
(E) 13,000	1,850 (F)	86	00 (C)		
(J) 1,600	750 (G)	25,8	200		
	400 (I)				
	88 (K)	Alice Angel, Capital	311	Gas Expense	512
54,600	5,588	40,0	00 (A)	(G) 750	
49,012					
Accounts Received (H) 5,500 3,900	1,600 (J)	Alice Angel, Withdrawa (K) 88	als 312	Salaries Expense (F) 1,850	513
Office Equipme	ent 121				
(C) 2,500		Delivery Fees Earned	411	Telephone Expense	514
		13,0	00 (E)	(I) 400	
		5,5	00 (H)		
Delivery Trucks	s 122	18,50	00		
(B) 25,000					

4.

#### ANGEL'S DELIVERY SERVICE

### TRIAL BALANCE MARCH 31, 2016

			1	r.					(	Cr.	
Cash	4	19	0	1	2	00					
Accounts Receivable		3	9	0	0	00					
Office Equipment		2	5	0	0	00					
Delivery Trucks	2	25	0	0	0	00					
Accounts Payable							25	8	0	0	00
Alice Angel, Capital							40	0	0	0	00
Alice Angel, Withdrawals				8	8	00					
Delivery Fees Earned							18	5	0	0	00
Advertising Expense			8	0	0	00					
Gas Expense			7	5	0	00					
Salaries Expense		1	8	5	0	00					
Telephone Expense		4	1	0	0	00					
Totals	8	34	3	0	0	00	84	3	0	0	00

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#### PROBLEM 2B-5., Cont.

5.(a)

#### ANGEL'S DELIVERY SERVICE

#### INCOME STATEMENT

#### FOR THE MONTH ENDED MARCH 31, 2016

Revenue:										
Delivery Fees Earned						\$18	5	0	0	0 0
							╽			
Operating Expenses:										
Advertising Expense	\$	8	0	0	0 0					
Gas Expense		7	5	0	0 0					
Salaries Expense	1	8	5	0	00					
Telephone Expense		4	0	0	0 0					
Total Operating Exenses						3	8	0	0	00
Net Income						\$14	1 7	0	0	00

5.(b)

#### ANGEL'S DELIVERY SERVICE

#### STATEMENT OF OWNER'S EQUITY

#### FOR THE MONTH ENDED MARCH 31, 2016

A. Angel, Capital, March 1, 2016		Ī				\$40	0	0	$\overline{o o}$	0
Net Income for March	\$ 314	7	0	0	00					
Less: Withdrawals for March		ě	8	8	00					
Increase in Capital						14	6	1	2 0	0
A. Angel, Capital, March 31, 2016						\$54	6	1	2 0	0

5.(c)

#### ANGEL'S DELIVERY SERVICE

#### BALANCE SHEET

#### MARCH 31, 2016

#### **ASSETS**

#### LIABILITIES AND OWNER'S EQUITY

Assets:						Liabilities:					
Cash	\$49	0	1	2	00	Accounts Payable	\$25	8	0	0	00
Accounts Receivable	3	9	0	0	00						
Office Equipment	2	5	0	0	00	Owner's Equity:					
Delivery Trucks	2 5	0	0	0	00	A. Angel, Capital	54	6	1	2	00
				=							
						Total Liabilities and					
Total Assets	\$80	4	1	2	00	Owner's Equity	\$80	4	1	2	00

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#### PROBLEM 2C-1.

Accounts Affected	Category	Inc. Dec.	Rules	Т-Ассоин	ıt Update
A. Cash	Asset	<b>↑</b>	Dr.		Jack James,
				Cash	Capital
Jack James, Capital	Owner's Equity	<u> </u>	Cr.	3,500	3,500
B. Office Equipment	Asset	<b>^</b>	Dr.	Office Equipment	Accounts Payable
				1,875	1,875
Accounts Payable	Liability	↑	Cr.	1	'
C. Rent Expense	Expense	<b>^</b>	Dr.	Rent Expense	Accounts Payable
Accounts Payable	Liability	<u> </u>	Cr.	425	425
D. Cash	Asset	<b>^</b>	Dr.	Cash	Editing Fees Earned
				2,100	2,100
Editing Fees Earned	Revenue	<b>↑</b>	Cr.	. ,	, ,
E. Accounts Receivable	Asset	<b>A</b>	Dr.	Accounts Receivable	Fees Earned
		'		1,499	1,490
Editing Fees Earned	Revenue	↑	Cr.	. ,	, ,
F. Jack James, Withdrawals	Owner's Equity	<b>A</b>	Dr.	Jack James, Withdrawal	S
,	(Withdrawals)	<b>'</b>			Cash
	<u> </u>			175	175
Cash	Asset	♠	Cr.	'	•

#### PROBLEM 2C-2.

Cash		111_	Val McIntyre, Withdrawals	312
(A) 14,000	364 (D)		(D) 364	
(C) 3,250	725 (E)			
	2,750 (G)			
17,250	3,839			
13,411				
Computer Equipm	ent	121	Graphics Fees Earned	411
(B) 5,500			3,250 (C)	
A accounts Daniello		211	Advantising Frances	<i>E</i> 1 1
Accounts Payable	5 500 (P)	211	Advertising Expense	511
(G) 2,750	5,500 (B)		(E) 725	
	615 (F)			
	6,115 3,365			
	3,303			
Val McIntyre, Cap	ital	311	Rent Expense	512
	14,000 (A)		(F) 615	

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#### PROBLEM 2C-3.

(a)

Cash		111	Accounts Receivable	112	Equipment	121
(A) 6,000	4,000 (B)		(G) 1,000		(B) 4,000	
(F) 3,500	340 (D)				(C) 500	
(G) 3,000	150 (E)				4,500	
	600 (H)					
12,500	5,090					
7,410	I					
Accounts Payab	le	211	Linda Miyagawa, Capital	311	Linda Miyagawa	Withdrawals 312
	500 (C)		6,000 (A)		(H) 600	
Fees Eearned		411	Rent Expense	511	Utilities Expense	512
	3,500 (F)		(D) 340		(E) 150	
	4,000 (G)					
	7,500					
	I					

**(b)** 

#### LINDA'S CONSULTING SERVICE

### TRIAL BALANCE OCTOBER 31, 2017

		r.			(	<i>r</i> .		
Cash	7 4	1 0	00					
Accounts Receivable	10	0	00					
Equipment	4 5	0	00					
Accounts Payable					5	0	0	00
Linda Miyagawa, Capital				6	0	0	0	00
Linda Miyagawa, Withdrawals	6	0	00					
Fees Earned				7	5	0	0	00
Rent Expense	3	10	00					
Utilities Expense	1	5 0	00					
Totals	14 0	0	00	14	0	0	0	00





#### PROBLEM 2C-4.

(a)

#### GLENDA SHAVER, ARCHITECT

#### **INCOME STATEMENT**

#### FOR THE MONTH ENDED JUNE 30, 2017

Revenue:										
Fees Earned						\$6	7	1	5	0 0
Operating Expenses:										
Rent Expense	\$1	2	0	0	00					
Advertising Expense		4	8	0	00					
Utilities Expense		5	6	5	00					
Total Operating Expenses						2	2	4	5	00
Net Income						\$4	4	7	0	00
							Γ			

*(b)* 

#### GLENDA SHAVER, ARCHITECT

#### STATEMENT OF OWNER'S EQUITY

#### FOR THE MONTH ENDED JUNE 30, 2017

Glenda Shaver, Capital, June 1, 2017						\$5	6	0	00
Net Income for June	\$4	4	7	0	00				
Less: Withdrawals for June		9	5	0	00				
Increase in Capital						3	5	2 0	00
Glenda Shaver, Capital, June 30, 2017						\$9	1	2 (	00

*(c)* 

#### GLENDA SHAVER, ARCHITECT

#### **BALANCE SHEET**

#### JUNE 30, 2017

#### **ASSETS**

#### LIABILITIES AND OWNER'S EQUITY

Assets:						Liabilities:					
Cash	\$2	2	0	0	00	Accounts Payable	\$	6	2	0	00
Accounts Receivable	1	0	7	5	00						
Supplies		2	6	5	00	Owner's Equity:					
Equipment	6	2	0	0	00	Glenda Shaver,Capital	9	1	2	0	00
						Total Liabilities and					
Total Assets	\$9	7	4	0	00	Owner's Equity	\$9	7	4	0	00

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#### PROBLEM 2C-5.

1., 2., 3.

Cash	111	Accounts Payable	211	Advertising Expense	511
(A)33,000	3,300 (D)	(L) 700 14,000 (	<b>B</b> )	(C) 1,150	
(E) 5,900	1,720 (F)	1,150 (	<i>C</i> )		
(J) 2,000	320 (G)	700 15,150			
	150 (I)	14,4	150		
	66 (K)			Repair Expense	512
	700 (L)	Clara Benson, Capital	311	(G) 320	
40,900	6,256	33,000 (	A)		
34,644					
Accounts Recei	vable 112			Salaries Expense	513
(H) 4,300	2,000 (J)	Clara Benson, Withdrawals	312	(F) 1,720	
2,300		(K) 66			
Office Equipme	nt 121			Telephone Expense	514
(D) 3,300		Design Fees Earned	411	(I) 150	
		5,900 (	<b>E</b> )		
Design Equipm	ent 122	4,300 (	H)		
(B) 14,000		10,200			

4.

CLARA'S DESIGN SERVICE

TRIAL BALANCE

MARCH 31, 2017

		1	Dr				(	Cr.		
Cash	34	6	4	4	00					
Accounts Receivable	2	3	0	0	00		Γ			
Office Equipment	3	3	0	0	00		Γ			
Design Equipment	14	0	0	0	00					
Accounts Payable						14	4	5	0	00
Clara Benson, Capital						33	0	0	0	00
Clara Benson, Withdrawals			6	6	00					
Design Fees Earned						10	2	0	0	00
Advertising Expense	1	1	5	0	00					
Repair Expense		3	2	0	00					
Salaries Expense	1	7	2	0	00		Γ			
Telephone Expense		1	5	0	00					
Totals	 57	6	5	0	00	57	6	5	0	00



#### PROBLEM 2C-5., Cont.

## 5.(a) CLARA'S DESIGN SERVICE INCOME STATEMENT FOR THE MONTH ENDED MARCH 31, 2017

Revenue:										
Design Fees Earned						\$10	2	0	0	00
On and the Francisco										
Operating Expenses:							┺			<u> </u>
Advertising Expense	\$1	1	5	0	00					
Repair Expense		3	2	0	00					
Salaries Expense	1	7	2	0	00					
Telephone Expense		1	5	0	00					
Total Operating Exenses						3	3	4	0	00
Net Income						\$6	8	6	0	00
							T			

## 5.(b) CLARA'S DESIGN SERVICE STATEMENT OF OWNER'S EQUITY FOR THE MONTH ENDED MARCH 31, 2017

Clara Benson, Capital, March 1, 2017						\$33	0	0	0	00
Net Income for March	\$6	8	5	0	00					
Less: Withdrawals for March		(	5	6	00					
Increase in Capital						6	7	9	4	00
Clara Benson, Capital, March 31, 2017						\$39	7	9	4	00

5.(c)	CLARA'S DESIGN SERVICE	
	BALANCE SHEET	
	MARCH 31, 2017	

#### ASSETS LIABILITIES AND OWNER'S EQUITY

Assets:						Liabilities:					
Cash	\$34	6	4	4	00	Accounts Payable	\$14	1 4	5	0	00
Accounts Receivable	2	3	0	0	00						
Office Equipment	3	3	0	0	00	Owner's Equity:					
Design Equipment	14	0	0	0	00	Clara Benson, Capital	39	7	9	4	00
						Total Liabilities and					
Total Assets	\$54	2	4	4	00	Owner's Equity	\$54	1 2	4	4	00

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#### SOLUTIONS TO ON-THE-JOB TRAINING, #T-1.

# RANCH COMPANY TRIAL BALANCE JUNE 30, 2017

			Dr.				(	<u>Cr.</u>		
Cash		4	9	0	00					
Accounts Receivable		6	2	0	00					
Office Equipment		3	6	5	00					
Accounts Payable							1	1	5	00
Wages Payable								1	0	00
H. Clo, Capital							6	3	5	00
H. Clo, Withdrawals	1	4	4	0	00					
Professional Fees						2	4	2	0	00
Rent Expense		2	4	0	00					
Advertising Expense			2	5	00					
Totals	3	1	8	0	00	3	1	8	0	00
							Γ			

Note: 1. The Cash account subtraction error means the amount in Cash is overstated.

- 2. The normal balance of Accounts Receivable is a debit. Therefore, the \$635 should have been on the debit side. (\$15 from the \$635 = \$620.) Accounts Receivable would be severely understated if not corrected.
- 3. The normal balance of Accounts Payable, Wages Payable and Capital (H. Clo, Capital) is a credit. All understated.
- 4. Before recording the office equipment on account, Assets and money owed (Accounts Payable) would be understated.
- 5. Revenue being understated would mean net income would be lower than actual.
- 6. Expense accounts are normally debit accounts. Therefore, Rent Expense would be understated.

To avoid this problem, Ranch Co. might insist that Andy take a course in accounting at a local college. He obviously needs more experience/training before he can be trusted to handle the company's books. Better supervision may help somewhat, but the real solution is in getting a bookkeeper who is accurate and well trained.

#### SOLUTIONS TO ON-THE-JOB TRAINING, #T-2.

Situation	Totals of Trial Balance	Effect on Accounts
1	Will balance, but be understated by \$765.	Cash overstated by \$765 and equipment understated by \$765.
2	Will not balance.	Cash overstated by \$200.
3	Will balance but be overstated by \$400.	Capital and Accounts Receivable overstated by \$400.
4	Will balance but be overstated by \$360.	Accounts Payable overstated by \$360 and Cash overstated by \$400. Supplies understated by \$40.
5	Trial Balance will balance with the correct amount.	Supplies overstated and Equipment understated by \$800.
6	Trial Balance will not balance.	Cash overstated by \$36.

Mistakes can be avoided in the future by carefully checking entries.





#### **CONTINUING PROBLEM**

1., 2., 3.

Cash	1000	Accounts H	Payable	•	2000	Advertising Expense	5010
3,850	150 (l)	(m)	200	335		(n) 1,400	
(p) 900	200(m)	(q)	85	155(k)			
	1,400 (n)			200 (s)		Rent Expense	5020
	85 (q)		285	690		400	
	50 (r)		,	405			
4,750	1,885						
2,865		T. Freedma	n, Cap	ital	3000	Utilities Expense	5030
Accounts Receiv	able 1020			4,500		85	
(o) 850							
		T. Freedma	n, With	idrawals	3010	Phone Expense	5040
Supplies	1030		100			(k) 155	
250	_						
(s) 200						Supplies Expense	5050
450		Service Rev	enue		4000		
				1,650			
Computer Shop	Equipment 1080			850 (d	o)		
1,200				900 (p	<b>)</b> )	Insurance Expense	5060
						(l) 150	
			l	3,400			
Office Equipmen	ıt 1090					Postage Expense	5070
600						(r) 50	

4. PRECISION COMPUTER CENTRE

TRIAL BALANCE

JUNE 30, 2016

Cash	2	8	6	5	00					
Accounts Receivable		8	5	0	00					
Supplies		4	5	0	00					
Computer Shop Equipment	1	2	0	0	00					
Office Equipment		6	0	0	00					
Accounts Payable							4	0	5	00
T. Freedman, Capital						4	5	0	0	00
T. Freedman, Withdrawals		1	0	0	00					
Service Revenue						3	4	0	0	00
Advertising Expense	1	4	0	0	00					
Rent Expense		4	0	0	00					
Utilities Expense			8	5	00					
Phone Expense		1	5	5	00					
Insurance Expense		1	5	0	00					
Postage Expense			5	0	00					
Total	_8_	3	0	5	00	8	3	0	5	00



#### CONTINUING PROBLEM, Cont.

#### PRECISION COMPUTER CENTRE

#### **INCOME STATEMENT**

#### FOR THE TWO MONTHS ENDED JUNE 30, 2016

Revenue:										
Service Revenue						\$ 3	4	0	0 0	00
Operating Expenses:										
Advertising Expense	\$ 5 1	4	0	0	00					
Insurance Expense		1	5	0	00					
Phone Expense		1	5	5	00					
Postage Expense			5	0	00					
Rent Expense		4	0	0	00					
Utilities Expense			8	5	00					
Total Operating Expenses						2	2	4	0 0	0
Net Income						\$ 1	1	6	0 (	00

#### PRECISION COMPUTER CENTRE

#### STATEMENT OF OWNER'S EQUITY

#### FOR THE TWO MONTHS ENDED JUNE 30, 2016

				_	_	_					_	
T. Freedman, Capital Contributed, May 1, 2016							\$ .	4	5	0 0	0	00
Net Income for the two months	\$ 1	1	6	0	0	0						
Less: Withdrawals		1	0	0	0	0						
Increase in Capital								1 (	0	6	0	00
T. Freedman, Capital, June 30, 2016					Γ		\$.	5 .	5	6 (	0	00

#### PRECISION COMPUTER CENTRE

#### **BALANCE SHEET**

#### JUNE 30, 2016

#### **ASSETS**

#### LIABILITIES AND OWNER'S EQUITY

Assets:							Liabilities:					
Cash	\$ 2	8	6	5	0	00	Accounts Payable	\$	4	0	5	00
Accounts Receivable		8	5	0	0	00						
Supplies		4	5	0	0	00	Owner's Equity:		Γ			
Computer Shop Equipment	1	2	0	0	0	00	T. Freedman, Capital	5	5	6	0	00
Office Equipment		6	0	0	0	00						
							Total Liabilities and		Γ			
Total Assets	\$ 5	9	6	5	0	00	Owner's Equity	\$ 5	9	6	5	00

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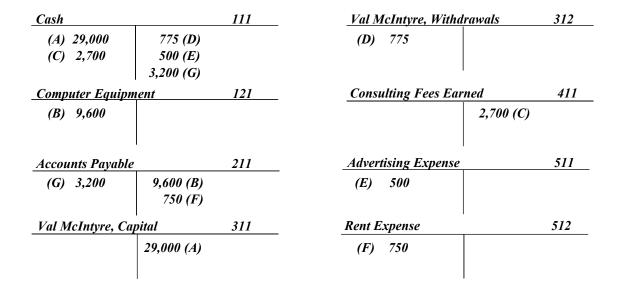


#### Page D2-1 - Chapter 2, D Solutions

#### PROBLEM 2D-1

Accounts Affected	Category	Inc. Dec.	Rules	T-Accoun	nt Update
A. Cash	Asset	1	Dr.	Cash	A. Thomas, Capital
A. Thomas, Capital	Owner's Equity	1	Cr.	3,250	3,250
B. Office Equipment	Asset	1	Dr.	Office Equipment	Accounts Payable
Accounts Payable	Liability	†	Cr.	2,125	2,125
C. Rent Expense	Expense	1	Dr.	Rent Expense	Accounts Payable
Accounts Payable	Liability	1	Cr.	437	2,125 437
D. Cash	Asset	1	Dr.	Cash	Accounting Fees Earne
Bookkeeping Fees	Revenue	†	Cr.	3,250 2,625	2,625
E. Accounts Receivable	Asset	T	Dr.		Accounting Fees Earne
Bookkeeping Fees	Revenue	†	Cr.	1,600	2,625 1,600
F. A. Thomas, Withdrawals	Owner's Equity	ļ	Dr.	A. Thomas, Withdraw	vals <u>Cash</u>
•	(Withdrawals)			245	3,250 245
Cash	Asset	<b>1</b>	Cr.	<u> </u>	2,625

#### PROBLEM 2D-2



#### PROBLEM 2D-3

(a)

Cash	111	Accounts Receivable	112	Equipment	121
(A) 4,000 (F) 2,500 (G) 3,000 9,500 6,690	1,500 (C) 360 (D) 200 (E) 750 (I) 2,810	(G) 1,250		(B) 2,250 (C) 1,500 3,750	
Accounts Payable	211 2,250 (B)	Linda Miyagawa, Capi 4,00	ital 311 00 (A)	Linda Miyagawa, (I) 750	Withdrawals 312
Fees Earned	2,500 (F) 4,250 (G) 6,750	Rent Expense (D) 360	511	<u>Utilities Expense</u> (E) 200	512
(b)	6,/30				ı

#### A1 SOFTWARE SOLUTIONS

### TRIAL BALANCE

JUNE 30, 2017

Cash		6	9	0	00					
Accounts Receivable		1 2	5	0	00					
Equipment		3 7	5	0	00					
Accounts Payable						2	2	5	0	0
Linda Miyagawa, Capital						4	0	0	0	0
Linda Miyagawa, Withdrawals		7	5	0	00					
Fees Earned						6	7	5	0	0
Rent Expense		3	8 6	0	00					
Utilities Expense		2	2 0	0	00					
Totals	1.	3 (	0	0	00	13	0	0	0	0

#### Page D2-3 - Chapter 2, D Solutions PROBLEM 2D-4 HAMILTON AMES, ENGINEERING CONSULTANT (<u>a)</u>\_\_\_\_\_ **INCOME STATEMENT** FOR THE MONTH ENDED APRIL 30, 2017 Revenue: \$7 4 0 5 0 0 Fees Earned Operating Expenses: \$ 4 3 0 0 0 Advertising Expense 9 0 0 0 0 Rent Expense 5 9 5 00 **Utilities Expense** 1 9 2 5 0 0 **Total Operating Expenses** \$5 4 8 0 0 0 Net Income HAMILTON AMES, ENGINEERING CONSULTANT *(b)* STATEMENT OF OWNER'S EQUITY FOR THE MONTH ENDED APRIL 30, 2017 \$5 4 8 0 0 0 Hamilton Ames, Capital, April 1, 2017 \$5 4 8 0 0 0 Net Income for April 9 0 5 0 0 Less: Withdrawals for April 4 5 7 5 00 Increase in Capital \$1005500 Hamilton Ames, Capital, April 30, 2017 (c) HAMILTON AMES, ENGINEERING CONSULTANT **BALANCE SHEET** APRIL 30, 2017 **ASSETS** LIABILITIES AND OWNER'S EQUITY

Assets:						Liabilities:					
Cash in Bank	\$5	0	9	0	00	Accounts Payable	\$	5	7	5	00
Accounts Receivable	1	2	7	5	00						
Supplies		2	6	5	00	Owner's Equity:					
Equipment	4	0	0	0	00	Hamilton Ames,Capital	10	0	5	5	00
						Total Liabilities and					
Total Assets	\$10	6	3	0	00	Owner's Equity	\$1 0	6	3	0	00

#### PROBLEM 2D-5

(1,2,3)

Cash	111	Accounts Payab	le	211	Advertising Expense	511
(A) 28,000 (E) 4,200 (J) 1,800	3,100 (D) 1,500 (F) 825 (G)	400	12,500 (B) 650 (C) 13,150		(C) 650	
34,000 27,968	165 (I) 42 (K)		12,750		Repair Expense	512
27,700	400 (L) 6,032	Clara Benson, C	apital 28,000 (A)	311	(G) 825	
Accounts Rece	eivable 112				Salaries Expense	513
(H) 3,900 2,100	1,800 (J)	Clara Benson, W (K) 42	ithdrawals	312	(F) 1,500	
Office Equipm	nent 121_				Telephone Expense	514
(D) 3,100  Design Equip (B) 12,500	oment 122_		ned 4,200 (E) 3,900 (H) 8,100	411	(I) 165	
(4)		CLARA BEN	SON ENT	ERPRISES		
		TRI	AL BALAN	CE		
		SEPTI	EMBER 30	, 2017		

Cash	2 7	9	6	8	00					
Accounts Receivable	2	1	0	0	00					
Office Equipment	3	1	0	0	00					
Design Equipment	12	5	0	0	00					
Accounts Payable						12	7	5	0	0 0
Clara Benson, Capital						28	0	0	0	0 0
Clara Benson, Withdrawals			4	2	00					
Design Fees Earned						8	1	0	0	0 0
Advertising Expense		6	5	0	00					
Repair Expense		8	2	5	00					
Salaries Expense	1	5	0	0	00					
Telephone Expense		1	6	5	00					
Totals	4 8	8	5	0	00	48	8	5	0	0 0

(5)	CLARA BENSON ENTERPRISES	
	INCOME STATEMENT	
	FOR THE MONTH ENDED SEPTEMBER 30, 2017	

Revenue:										
Design Fees Earned						\$8	1	0	0	00
Operating Expenses:										
Advertising Expense	\$	6	5	0	00					
Repair Expense		8	2	5	00					
Salaries Expense	1	5	0	0	00					
Telephone Expense		1	6	5	00					
Total Operating Exenses						3	1	4	0	00
Net Income						\$4	9	6	0	00

#### CLARA BENSON ENTERPRISES

#### STATEMENT OF OWNER'S EQUITY

#### FOR THE MONTH ENDED SEPTEMBER 30, 2017

Clara Benson, Capital, September 1, 2017						\$2 8	0	0	0	00
Net Income for September	\$4	9	6	0	00					
Less: Withdrawals for September			4	2	00					
Increase in Capital						4	9	1	8	00
Clara Benson, Capital, September 30, 2017						\$3 2	9	1	8	00

# CLARA BENSON ENTERPRISES BALANCE SHEET SEPTEMBER 30, 2017

#### ASSETS LIABILITIES AND OWNER'S EQUITY

Assets:						Liabilities:					
Cash	\$2 7	9	6	8	00	Accounts Payable	\$12	7	5	0	00
Accounts Receivable	2	1	0	0	00						
Office Equipment	3	1	0	0	00	Owner's Equity:					
Design Equipment	12	5	0	0	00	Clara Benson, Capital	3 2	9	1	8	00
						Total Liabilities and					
Total Assets	\$4 5	6	6	8	00	Owner's Equity	\$4 5	6	6	8	00

### Chapter 2

#### **Class Quiz**

1.	List five functions of accounting.  Answer: Analyze, record, classify, summarize, report.
2.	Explain the following: Capital doesn't mean Cash.  Answer: Capital could include other assets, such as equipment, as well as cash.
3.	True or false: Revenue is reported on the balance sheet.  Answer: False. Revenue is reported on the income statement.
4.	True or false: Withdrawals are expenses on the income statement.  Answer: False. Withdrawals are not business expenses; they are reported on the statement of owner's equity. (Withdrawals are for personal use.)
5.	Complete the statement: As expenses increase, owner's equity  Answer: decreases.
6.	Transaction C (p. 55) is an example of a(n) in assets.  Answer: increase.
7.	Transaction F (p. 56) is an example of a(n) in assets.  Answer: shift
8.	True or false: To Catherine Hall, legal fees are an asset.  Answer: False. Legal fees are revenue, a subdivision of owner's equity.

#### **Accounting Recall**

A Cumulative Approach

#### PART 1 Vocabulary Review

Match each term on the left side with the appropriate definition or phrase in the right-hand column.

#### Page Ref.

(63)	1	Trial balance	Δ	Tota	l remains t	he same
(03)	1.	THAI DAIANCE	A.	101a	n remams t	ne same

- (48) 2. Debit B. Entering numbers on right side
- (51) 3. Normal balance C. Subdivisions of owner's equity
- (14) 4. Revenue D. Group of accounts
- (48) 5. Crediting E. Numbering system
- (11) 6. Balance sheet F. Left side of an account
- (9) 7. Shift in assets G. Prepared as of a particular date
- (52) 8. Chart of accounts H. Not an asset
- (47) 9. Ledger I. Side of account that increases it
- (21) 10. Capital, withdrawals, J. List of the ledger balances revenue, expenses

#### PART 2 True or False (Accounting Theory)

- (48) 11. A debit always means increase.
- (63) 12. There are no debit or credit columns on financial reports.
- (63) 13. The trial balance lists only the ending figure for capital that goes on the balance sheet.
- (58) 14. An increase in a withdrawal is a credit.
- (63) 15. The trial balance is not a formal report.

#### **Solutions to Accounting Recall**

This Examination Reviews Chapters 1 and 2.

#### PART 1

1. J 2. F 3. I 4. H 5. B 6. G 7. A 8. E 9. D 10. C

#### PART 2

- 11. False; depends on the category
- 12. True
- 13. False; the beginning balance shows up on the trial balance

#### Chapter 2 - Page 52

- 14. False; debit
- 15. True

#### **Points to Stress**

- 1. Stress at the outset that the words debit and credit only mean a *position*. Later we will discuss the rules of debit and credit and how they govern which side numbers are placed on.
- 2. Rules for normal balance are the same as for an increase.
- 3. Note how the rules for revenue and expenses work in the *opposite* direction.
- 4. Note that the names in Column 1 of the transaction analysis charts come from the chart of accounts, as do the account numbers in Column 5.
- 5. Go over the solutions to the Self-Review Quiz 2–2 (p. 60) to reinforce the point that arrows can go up or down but the sum of the left must equal the sum of the right.
- 6. Using the trial balance in Figure 2–2 (p. 64) have students identify the report on which each item will appear. (Example: Withdrawals go on the statement of owner's equity.)
- 7. The trial balance is an informal report used to *prepare* formal reports like the balance sheet.
- 8. The figure for net income is used to update the statement of owner's equity.
- 9. The ending figure for capital on the statement of owner's equity is used to update the balance sheet.
- 10. The two columns on the trial balance represent debit and credit; however, there are no debits or credits shown on the formal statements even if the statement has two columns.
- 11. The trial balance is listed in the same order as the ledger accounts.
- 12. On a trial balance, there is only one number for each account the ending debit or credit balance.

#### **Business World Notes**

- 1. A business may have 50 or more accounts (sometimes thousands) to keep track of and therefore it is not practical to use the equation format we used in Chapter 1 to record transactions.
- 2. Accountants do not actually write out a transaction analysis chart before they record a transaction, but they go through the exact same steps mentally.
- 3. Computers are very useful in maintaining the equality of debits and credits. But, computers are not a complete substitute for clear thinking on the part of accounting clerks and related personnel.
- 4. The double-entry system provides built-in protection against errors. If debits do not equal credits, then the accountant knows that there is an error in the records which must be corrected.
- 5. A double-entry system is not as necessary for a sole-proprietorship or partnership as it is for a corporation. Point out that if a standard double-entry system is too cumbersome for a small business there are alternative methods of keeping business records. Note, however, that the cash method is not permitted for tax purposes. Books kept on the cash basis must be converted to the accrual basis at year end.
- 6. If the accounts are out of balance and a trial balance is not prepared before the financial statement preparation, you would not know there was an error until all three statements were completed and you found the balance sheet wouldn't balance.
- 7. The trial balance does not necessarily need to be written out. Many accountants find it is sufficient to run an adding machine tape to show that debits equal credits. Computer accounting software will print a trial balance at the push of a button.

#### **Class Activities**

- 1. Draw this T-account on the board:
  - 200 500
  - 300 50

Show students how to balance it and foot it.

- 2. Have students turn to Self-Review Quiz 2–2 (p. 60) and explain which transaction in the chapter parallels Transaction D. Have them explain the difference between a withdrawal and a business expense.
- 3. Go back to the rules of debit and credit in Learning Unit 2–1 (p. 48) and have students review the chart out loud in class.

#### Chapter 2 - Page 54

4. Using the information and accounts in Self-Review Quiz 2–2 (p. 60) have students categorize each account, its normal balance, and the report on which each account will be found.

Answers: Cash: Asset, Dr. balance, balance sheet Accounts Receivable: Asset, Dr. balance, balance sheet

Equipment: Asset, Dr. balance, balance sheet

Accounts Payable: Liability, Cr. balance, balance sheet

Bill O'Malley, Capital: Capital, Cr. balance, statement of owner's equity and

balance sheet

Bill O'Malley, Withdrawals: Withdrawals, Dr. balance, statement of owner's

equity

Professional Fees: Revenue, Cr. balance, income statement Utilities Expense: Expense, Dr. balance, income statement Salaries Expense: Expense, Dr. balance, income statement

5. Have students go over pp. 53-59 to see how the ledger is built up. Discuss the footings. Show them one title at a time how the trial balance is built on p. 64 from p. 63.

#### **Teaching Tips**

- 1. Talk about *arbitrary* rules. For example, in baseball there are nine innings and in football there are four quarters; the rules could be switched between the two sports and still work as long as everybody used the same ones. In accounting, the rules of debit and credit are also arbitrary; they could be switched and still work as long as the sum of the left sides equal the sum of the right sides.
- 2. Withdrawals are always increased by a dr (debit).
- 3. This is an ideal time to use the transparency or a handout that shows how to complete a transaction analysis chart.
- 4. Point out the position of the arrows in the two transaction charts for transactions B and C. Have students explain why arrows go up and down in the chart for transaction B, and the transaction still balances; while on the chart for transaction C, both arrows go up and that transaction also balances.

#### **Typical Student Misconceptions**

- 1. "Debit is bad; credit is good." To get students over this, emphasize instead these meanings:
  - Debit means the left side of any account.
  - Credit means the right side of any account.
- 2. Use the new section that details how nautical terms are in some ways similar to accounting terms, in that they have both a general meaning, as well as a meaning that is unique to that sector of the economy. You may have another example you could use here Golf, for instance might be an understandable illustration for some students.
- 3. Students think that there is only one chart of accounts for all businesses. Emphasize that there are many possible charts of accounts for different businesses in fact, there are books available that provide sample charts of accounts for all types of businesses and for whole industries (for a hair salon, for the plumbing industry, etc.). Have them turn to Chapter 12 (p. 558) to see a more complex chart of accounts than this one. You could also point out that most accounting software comes with several good and useful charts of accounts.
- 4. Students think that all of the arrows in the transactional analysis chart must "balance." Emphasize that the arrows can go all up or all down or some up and some down as long as the sum of the left side equals the sum of the right side in the accounts.
- 5. Students think that legal fees are an asset. Stress that legal fees are revenue, which is a subdivision of owner's equity. It is true that revenue will provide an inward flow of assets.
- 6. Students often think that expenses are liabilities. To clear up this misconception, point to Transaction I, showing that an expense may *create* a liability if the expense is not paid. An expense is *not* the same thing as a liability. Expenses are a subdivision of owner's equity; liabilities are not.

#### **Check Figures for Exercises**

#### Set A

2-1A. Cash, 111; Accts. Rec., 112; Office Equip., 121; Accts. Pay., 211; L. Jones, Capital, 311; L. Jones, Withdrawals, 312; Legal Fees, 411; Advertising Exp., 511; Repair Exp., 512; Salary Exp., 513.

2-2A. Computer Equipment \$19,000+ Accounts Payable \$16,000+ Cash \$3,000-

2-3A. P. Rey, Withdrawals: Owner's Equity (Withdrawals), Dr., Cr., St. of O.E. Salaries Expense: Exp., Dr., Cr., I.S.

#### Chapter 2 - Page 56

- 2-4A. A. 8.1 F. 3,5 B. 6,1 2,7 G. C. 9,4 H. 1,2 D. 1,7 I. 3,4 E. 10 1
- 2-5A. Net Income: \$185

J. Hall, Capital, 7/31/16: \$787

Total Assets: \$1,242

#### Set B

- 2-1B. Cash, 111; Accts. Rec., 112; Office Equip., 121; Accts. Pay., 211; L. Jones, Capital, 311; L. Jones, Withdrawals, 312; Legal Fees, 411; Cleaning Exp., 511; Office Assistance Exp., 512; Rent Exp., 513.
- 2-2B. Computer Equipment \$21,000+ Accounts Payable \$16,000+ Cash \$5,000-
- 2-3B. Legal Fees Earned, Rev., Cr., Dr., I.S.

P. Rey, Withdrawals: Owner's Equity (Withdrawals), Dr., Cr., St. of O.E.

Cash, Asset, Dr., Cr., B.S.

A/R, Asset, Dr., Cr., B.S.

Rent Expense: Exp., Dr., Cr., I.S.

- 2-4B. A. 4,1 F. 3,4
  - B. 6,1 G. 10,4
  - C. 10,4 H. 1,2
  - D. 1,7 I. 3,5
  - E. 7,2
- 2-5B. Net Income: \$415

J. Hall, Capital, 7/31/16: \$870

Total Assets: \$1,395

#### **Check Figures for On-the-Job Training**

- T-1. Cash, \$490; Totals, \$3,180
- T-2. Situation 3. Trial Balance will balance but be overstated by \$400. Capital and Accounts Receivable are overstated by \$400.

#### **Check Figures for Continuing Problem**

- 1., 2., 3. Cash Dr. \$2,865.00
- 4. Trial Balance \$8,305.00
- 5. Net Income \$1,160.00 O/E \$5,560.00 Total Assets \$5,965.00



#### Chapter 2

# Debits and Credits: Analyzing and Recording Business Transactions



# Learning Objective I

Recording transactions in T-accounts according to the rules of debit and credit

LOI

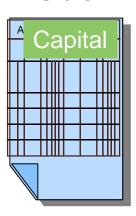


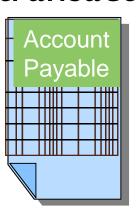
#### Account

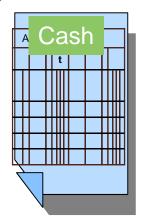
- Device used to record increases and decreases of business transaction
- Establish an account for each individual asset, liability, capital, withdrawal, revenue, expense

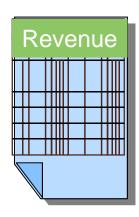


 Group of accounts that records data from business transactions











# **T-Account**

#### Title of Account

Left side

Debit

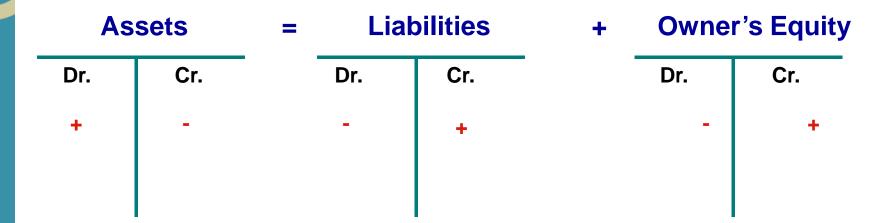
Right side

Credit

# **T-Account**

	Cash		
	Dr. (dek	oit) C	r. (credit) 00——Paid Expense 00——Paid Creditor
Caab Carain	<b>√</b> 4,0	00 30	Paid Expense
Cash Comin	$g \mapsto 5$	00 40	00 ——Paid Creditor
Footings -	<del>4,5</del>	00 70	00
Balance -	3,8	00	

## Rules of Debit and Credit



## Rules of Debit and Credit

#### **Capital** Cr. Dr. **Expenses** Revenues Cr. Cr. Dr. Dr. **Withdrawals** Cr. Dr.



# Learning Objective 2

Setting up and organizing a chart of accounts

## Chart of Accounts

 A numbering system of accounts that lists the account titles and account numbers to be used by a company

Sample Chart of Accounts for a Service Co.			
	Balance Sheet Accounts		
Assets 100s		Liabi	lities 200s
101	Cash	201	Accounts Payable
110	Accounts Receivable	Owne	er's Equity 300s
120	Supplies	301	Owner, Capital
		302	Owner, Withdrawals
Income Statement Accounts			
Revenue 400s		Expe	nses 500s
411	Ser vice Fees Earned	510	Advertising Expense
		514	Utilities Expense
		522	Salaries Expense



# Double-Entry Bookkeeping

- System in which the recording of each transaction affects two or more accounts
- Debits and Credits must equal

# Compound Entries

A transaction that involves more than one credit or debit





Debits and credits are equivalent after a piece of equipment is purchased for \$10,000 with half being paid in cash and half being put on account.



#### Problem 2B-5

This comprehensive problem will be used to illustrate the steps in recording transactions and reporting financial information covered in this chapter.



Step 1: Determine which accounts are affected.

Step 2: Determine which category accounts belong to.

Step 3: Determine whether accounts increase or decrease.

Step 4: What do the rules of debits and credits say?

Step 5: Place amounts into T accounts.



Chart of Accounts for Angel's Delivery Service				
	Balance Sheet Accounts			
Assets		Liabil	ities	
111	Cash	211	Accounts Payable	
112	Accounts Receivable	Owner's Equity		
121	Office Equipment	311	Alice Angel, Capital	
122	Delivery Trucks	312	Alice Angel, Withdrawa	ls
	Income State	ement A	Accounts	
Revenue		Exper	ıses	
411	Delivery Fees Earned	511	Advertising Expense	
		512	Gas Expense	
		513	Salaries Expense	
		514	Telephone Expense	
				LO-2

### Transaction A

Step 1: Which accounts are affected?

Cash

Alice Angel, Capital

Step 2: Which category does the account belong to?

**Assets** 

**Owner's Equity** 

Step 3: Is the account increasing/decreasing?

Increasing

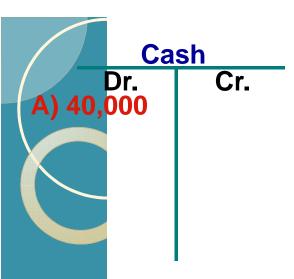
Increasing

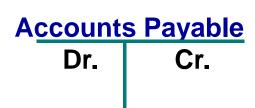
Step 4: Debit or credit?

**Debit** 

Credit

Step 5: Place amounts into accounts.

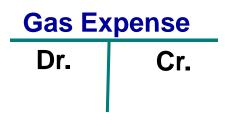












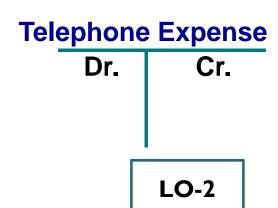
Office Equipment
Dr. Cr.

Angel, Withdrawals
Dr. Cr.

Salaries Expense
Dr. Cr.

Delivery Trucks
Dr. Cr.

De<u>livery Fees Earn</u>ed
Dr. Cr.



## Transaction B

Step 1: Which accounts are affected?

**Delivery Truck** 

**Accounts Payable** 

Step 2: Which category does the account belong to?

**Assets** 

Liabilities

Step 3: Is the account increasing/decreasing?

Increasing

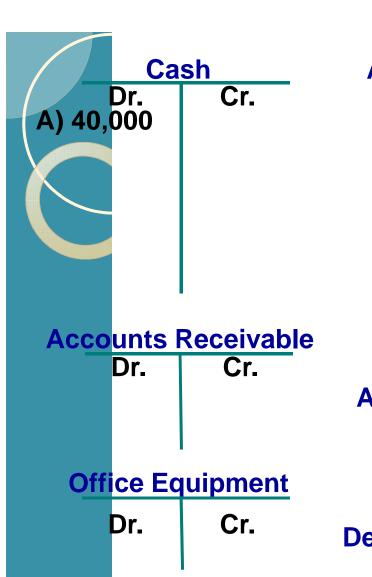
Increasing

Step 4: Debit or credit?

**Debit** 

Credit

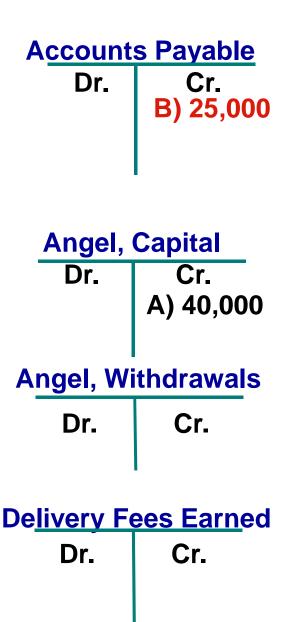
Step 5: Place amounts into accounts.

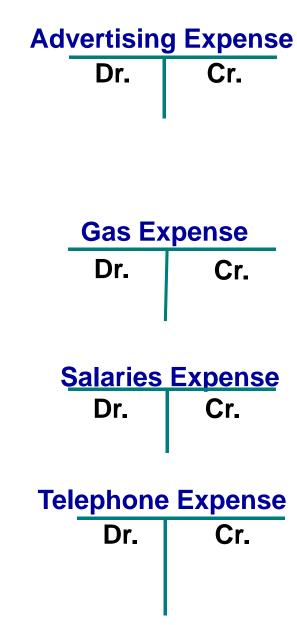


**Delivery Trucks** 

Dr.

**B) 25,000** 





Cr.

## Transaction C

Step 1: Which accounts are affected?

Advertising Expense

**Accounts Payable** 

Step 2: Which category does the account belong to?

**Expenses** 

Liabilities

Step 3: Is the account increasing/decreasing?

Increasing

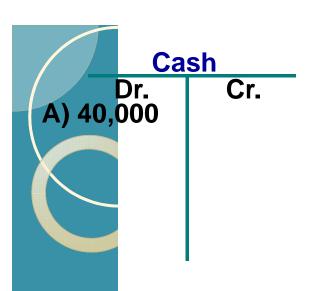
Increasing

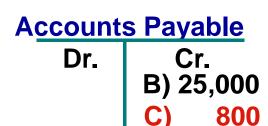
Step 4: Debit or credit?

**Debit** 

**Credit** 

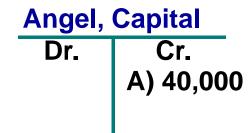
Step 5: Place amounts into accounts.

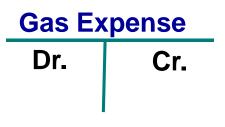


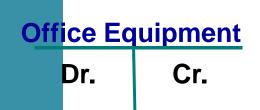












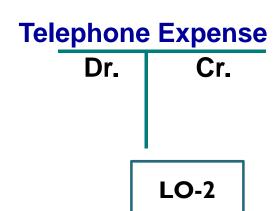
Angel, Withdrawals

Dr. Cr.



Delivery Trucks
Dr. Cr.
B) 25,000

De<u>livery Fees Earn</u>ed
Dr. Cr.



### Transaction D

Step 1: Which accounts are affected?

Office Equipment

Cash

Step 2: Which category does the account belong to?

**Asset** 

**Asset** 

Step 3: Is the account increasing/decreasing?

Increasing

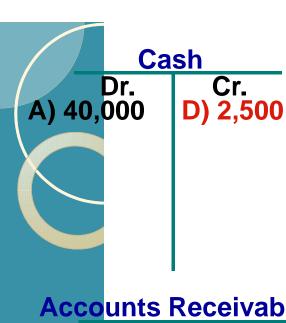
**Decreasing** 

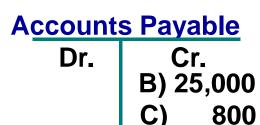
Step 4: Debit or credit?

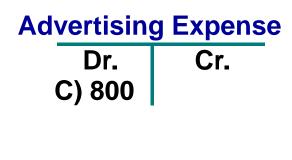
**Debit** 

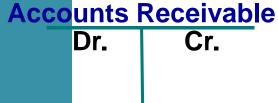
Credit

Step 5: Place amounts into accounts.

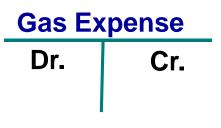








Angel, Capital
Dr. Cr.
A) 40,000



Office Equipment

Dr. Cr. D) 2,500

Angel, Withdrawals

Dr. Cr.

Salaries Expense
Dr. Cr.

**Delivery Trucks** 

Dr. Cr. B) 25,000

De<u>livery Fees Earn</u>ed
Dr. Cr.

Telephone Expense
Dr. Cr.
LO-2

## Transaction E

Step 1: Which accounts are affected?

Cash

**Delivery Fees Earned** 

Step 2: Which category does the account belong to?

**Asset** 

Revenue

Step 3: Is the account increasing/decreasing?

Increasing

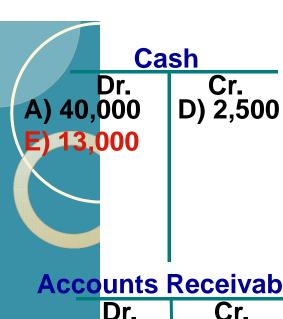
Increasing

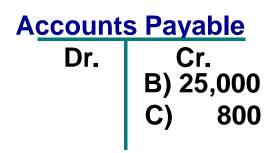
Step 4: Debit or credit?

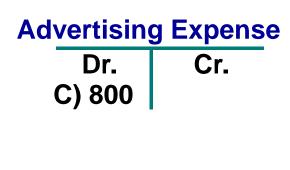
**Debit** 

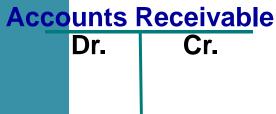
Credit

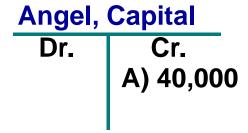
Step 5: Place amounts into accounts.

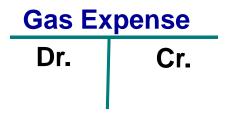












**Office Equipment** Cr. Dr.

Dr. Cr.

**Angel, Withdrawals** 

**Salaries Expense** Cr. Dr.

D) 2,500 **Delivery Trucks** 

Cr. Dr. B) 25,000

Delivery Fees Earned Cr. Dr. E) 13,000

**Telephone Expense** Cr. Dr.

**LO-2** 

26

## Transaction F

Step 1: Which accounts are affected?

**Salaries Expense** 

Cash

Step 2: Which category does the account belong to?

**Expense** 

**Asset** 

Step 3: Is the account increasing/decreasing?

Increasing

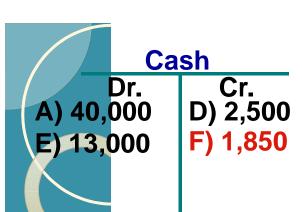
**Decreasing** 

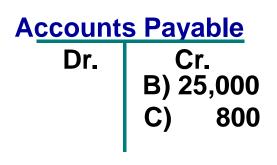
Step 4: Debit or credit?

**Debit** 

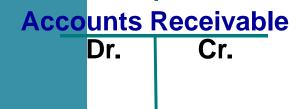
Credit

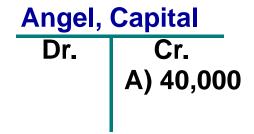
Step 5: Place amounts into accounts.

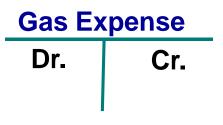














Dr. Cr.

**Angel, Withdrawals** 

<u>Salaries</u>	<b>Expense</b>
Dr.	Cr.
F) 1.850	

D) 2,500

De<u>livery Fees Earned</u>
Dr. Cr.
E) 13,000

Telephone Expense
Dr. Cr.

Delivery Trucks
Dr. Cr.

B) 25,000

## Transaction G

Step 1: Which accounts are affected?

**Gas Expense** 

Cash

Step 2: Which category does the account belong to?

Expense

**Asset** 

Step 3: Is the account increasing/decreasing?

Increasing

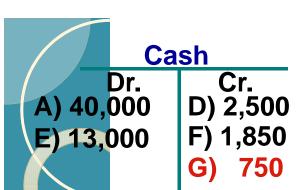
**Decreasing** 

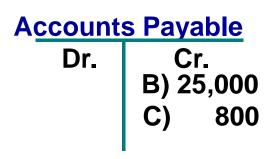
Step 4: Debit or credit?

**Debit** 

Credit

Step 5: Place amounts into accounts.



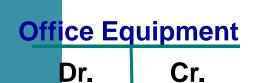






Angel, Capital		
Dr.	Cr.	
	A) 40,000	
	-	





Dr.	Cr.

**Angel, Withdrawals** 

<u>Salaries</u>	<u>Expense</u>
Dr.	Cr.
F) 1,850	

D) 2,500

De<u>livery Fees Earn</u>ed
Dr. Cr.
E) 13,000

Telephone Expense
Dr. Cr.

**Delivery Trucks** 

Dr. Cr. B) 25,000

### Transaction H

Step 1: Which accounts are affected?

Accounts Receivable

**Delivery Fees Earned** 

Step 2: Which category does the account belong to?

**Asset** 

Revenue

Step 3: Is the account increasing/decreasing?

Increasing

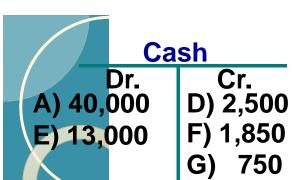
Increasing

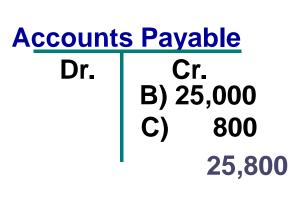
Step 4: Debit or credit?

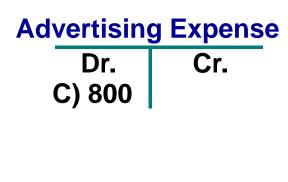
**Debit** 

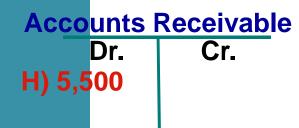
Credit

Step 5: Place amounts into accounts.

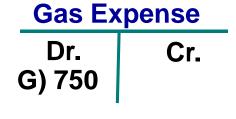








Angel, Capital		
Dr.	Cr.	
	A) 40,000	



Office Ed	<u>uipment</u>
Dr.	Cr.

D) 2,500

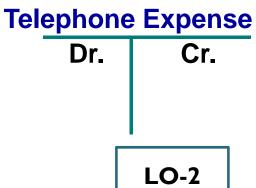
B) 25,000

Angel, Withdrawals	
Dr.	Cr.

<u>Salaries</u>	<u>Expense</u>
Dr.	Cr.
F) 1,850	

**Delivery Trucks** Cr. Dr.

e <u>livery F</u>	<u>ees Earn</u> ed
Dr.	Cr.
	E) 13,000
	H) 5,500



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### Transaction I

Step 1: Which accounts are affected?

**Telephone Expense** 

Cash

Step 2: Which category does the account belong to?

**Expense** 

**Asset** 

Step 3: Is the account increasing/decreasing?

Increasing

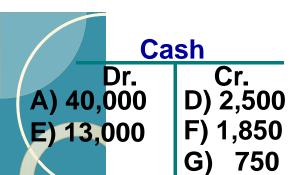
**Decreasing** 

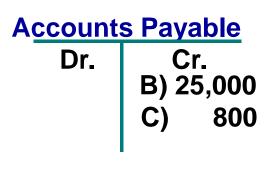
Step 4: Debit or credit?

**Debit** 

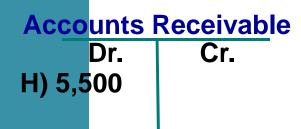
Credit

Step 5: Place amounts into accounts.

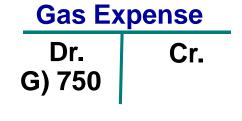








Angel, Capital		
Dr.	Cr.	
	A) 40,000	
	-	



Offi	ce	Eq	lui	pme	nt
				_	

Cr.

400

**Angel, Withdrawals** 

Cr.

Dr.

<u>Salaries</u>	<u>Expense</u>
Dr.	Cr.
F) 1,850	

Delivery Trucks
Dr. Cr.

Dr. B) 25,000

Dr.

D) 2,500

De<u>livery Fees Earned</u>
Dr. Cr.
E) 13,000
H) 5,500

# Telephone Expense Dr. Cr. I) 400 LO-2

## Transaction J

Step 1: Which accounts are affected?

Cash

**Accounts Receivable** 

Step 2: Which category does the account belong to?

**Asset** 

**Asset** 

Step 3: Is the account increasing/decreasing?

Increasing

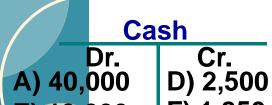
**Decreasing** 

Step 4: Debit or credit?

**Debit** 

Credit

Step 5: Place amounts into accounts.



F) 13,000 F) 1,850 G) 750 l) 400

#### **Accounts Payable**

Dr. Cr. B) 25,000 C) 800

#### **Advertising Expense**

Dr. Cr. C) 800

#### Accounts Receivable

Dr. Cr. J) 1,600

#### **Angel, Capital**

Dr. Cr. A) 40,000

#### **Gas Expense**

Dr. Cr. G) 750

#### **Office Equipment**

Dr. Cr. D) 2,500

#### **Angel, Withdrawals**

Dr. Cr.

#### Salaries Expense

Dr. Cr. F) 1,850

#### **Delivery Trucks**

Dr. Cr. B) 25,000

#### Delivery Fees Earned

Dr. Cr. E) 13,000 H) 5,500

#### **Telephone Expense**

Dr. Cr. I) 400

## Transaction K

Step 1: Which accounts are affected?

Alice Angel, Withdrawals

Cash

Step 2: Which category does the account belong to?

**Withdrawal** 

**Asset** 

Step 3: Is the account increasing/decreasing?

Increasing

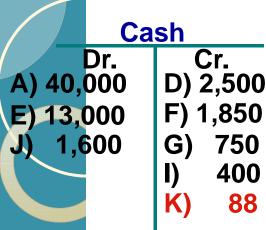
**Decreasing** 

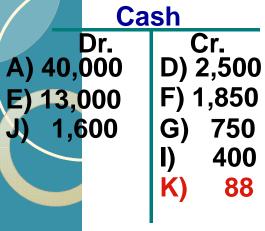
Step 4: Debit or credit?

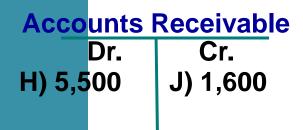
**Debit** 

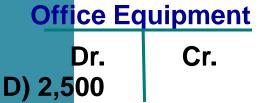
Credit

Step 5: Place amounts into accounts.

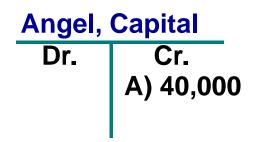








Accounts Payable		
Dr.	_	r. 5,000 800



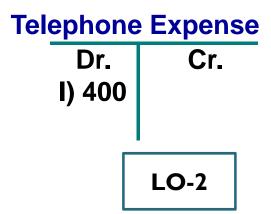
#### **Angel, Withdrawals** Cr. Dr. 88 K)

De <u>livery F</u>	<u>ees Earn</u> ec
Dr.	Cr.
	E) 13,000 H) 5,500
	H) 5,500



Gas Expense		
Dr. G) 750	Cr.	





## Review Rules of Debit & Credit

Account Category	Increase (Normal Balance)	Decrease
Assets	Debit	Credit
Liabilities	Credit	Debit
Owner's Equity		
Capital	Credit	Debit
Withdrawals	Debit	Credit
Revenue	Credit	Debit
Expense	Debit	Credit LO-2

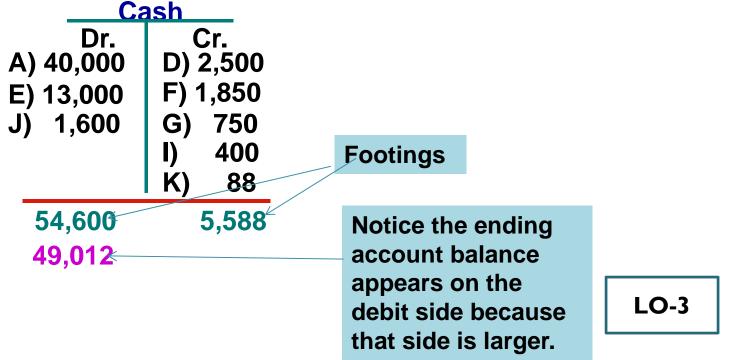


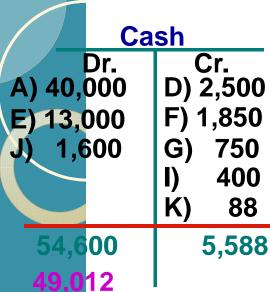
## Learning Objective 3

## Preparing a trial balance

## Footing

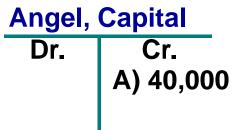
- Add total debits and total credits in each account
- Determine each account balance





#### 5,588 49,012 **Accounts Receivable** Dr. Cr. H) 5,500 J) 1,600 3.900 **Office Equipment** Dr. Cr. D) 2,500 **Delivery Trucks** Dr. Cr. B) 25,000

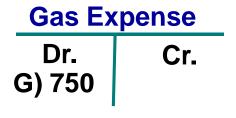
Dr.	s <u>Payable</u> Cr. B) 25,000		
	C)	800	
	2	25,800	

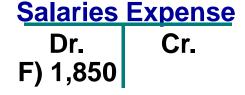


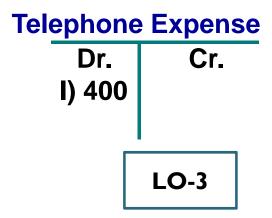
## Angel, Withdrawals Dr. Cr. K) 88

De <u>livery Fees Earn</u> ed				
Cr.				
E) 13,000 H) 5,500				
H) 5,500				
18,500				











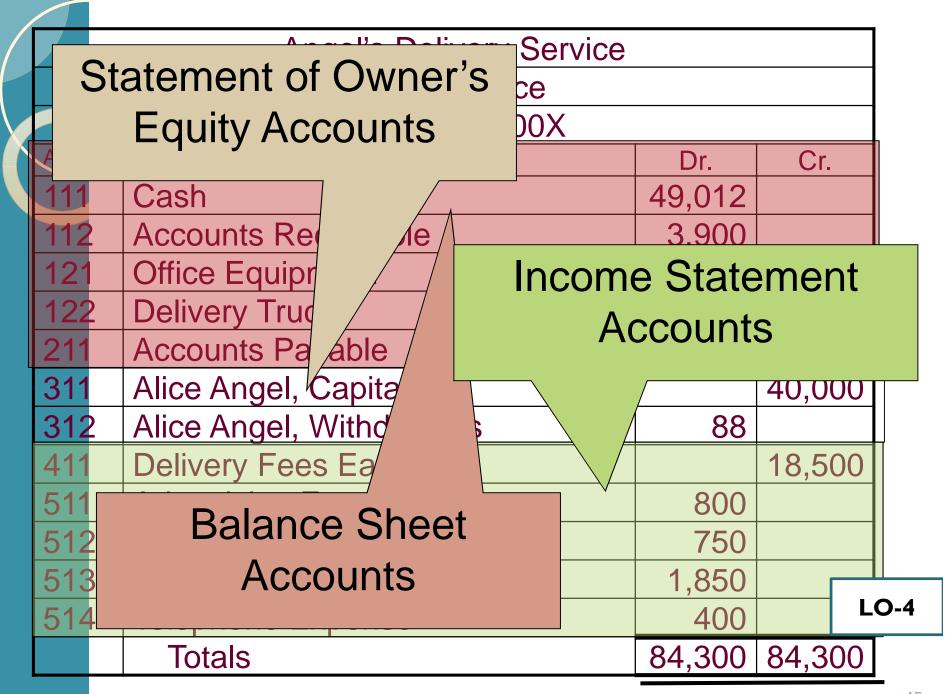
### Trial Balance

- List of the ending balances of all the accounts in a ledger
- Total debits should equal total credits
- List in same order as they appear in chart of accounts



## Learning Objective 4

Preparing financial statements from a trial balance





Angel's Delivery Service			
Income Statement			
For Month Ended March 31, 200X			
Revenue:			
Delivery Fees Earned		\$18,500	
Operating Expenses:			
Salaries Expense	\$1,850		
Advertising Expense	800		
Gas Expense	750		
Telephone Expense	400		
Total Operating Expenses		3,800	
Net Income		\$14,700	

## Problem 2B-5 continued

Angel's Delivery Service		
Statement of Owner's Equity		
For Month Ended March 31, 200X		
Alice Angel, Capital, March 1, 200X		\$40,000
Net Income for March	\$14,700	
Less: Withdrawals for March	88	
Increase in Capital		14,612
Alice Angel, Capital, March 31, 200X		\$54,612

## Problem 2B-5 continued

Angel's Delivery Service			
Balance Sheet			
March 31, 200X			
Assets Liabilities and Owner's Equity			
Cash	\$49,012	Accounts Payable	\$25,800
Accounts Receivable	3,900	Owner's Equity	
Office Equipment	2,500	Alice Angel, Capital	54,612
Delivery Truck	25,000	Total Liabilities &	400 440
Total Assets	\$80,412	Owner's Equity	\$80,412



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- Student PowerPoints
- Flashcards
- Practice Tests and more

In addition to MyAccountingLab, you may wish to try the end of chapter exercises and problems, using the check figures provided in the margins of your textbook.

## End of Chapter 2