

Solutions Manual for Horngrens Accounting 12th Miller Nobles

Chapter 2

Recording Business Transactions

Review Questions

1. Identify the three categories of the accounting equation, and list at least four accounts associated with each category.

The three categories of the accounting equation are assets, liabilities, and equity. Assets include Cash, Accounts Receivable, Notes Receivable, Prepaid Expenses, Land, Building, Equipment, Furniture, and Fixtures. Liabilities include Accounts Payable, Notes Payable, Accrued Liability, and Unearned Revenue. Equity includes Owner, Capital, Owner, Withdrawals, Revenue, and Expenses.

2. What is the purpose of the chart of accounts? Explain the numbering typically associated with the accounts.

Companies need a way to organize their accounts so they use a chart of accounts. Accounts starting with 1 are usually Assets, 2 – Liabilities, 3 – Equity, 4 – Revenues, and 5 – Expenses. The second and third digits in account numbers indicate where the account fits within the category.

3. What does a ledger show? What's the difference between a ledger and the chart of accounts?

A chart of accounts and a ledger are similar in that they both list the account names and account numbers of the business. A ledger, though, provides more detail. It includes the increases and decreases of each account for a specific period and the balance of each account at a specific point in time.

4. Accounting uses a double-entry system. Explain what this sentence means.

With a double-entry you need to record the dual effects of each transaction. Every transaction affects at least two accounts.

5. What is a T-account? On which side is the debit? On which side is the credit? Where does the account name go on a T-account?

A T-account is a shortened form of each account in the ledger. The debit is on the left side, credit on the right side, and the account name is shown on top.

6. When are debits increases? When are debits decreases?

Debits are increases for assets, withdrawals, and expenses. Debits are decreases for liabilities, capital, and revenue.

7. When are credits increases? When are credits decreases?

Credits are increases for liabilities, capital, and revenue. Credits are decreases for assets, withdrawals, and expenses.

- 8.** Identify which types of accounts have a normal debit balance and which types of accounts have a normal credit balance.

Assets, withdrawals, and expenses have a normal debit balance. Liabilities, capital, and revenue have a normal credit balance.

- 9.** What are source documents? Provide examples of source documents that a business might use.

Source documents provide the evidence and data for accounting transactions. Examples of source documents a business would have are: bank deposit slips, purchase invoices, bank checks, and sales invoices

- 10.** Where are transactions initially recorded?

Transactions are first recorded in a journal, which is the record of transactions in date order.

- 11.** Explain the five steps in journalizing and posting transactions.

Step 1: Identify the accounts and the account type. You need this information before you can complete the next step. Step 2: Decide if each account increases or decreases, then apply the rules of debits and credits. Reviewing the rules of debits and credits, we use the accounting equation to help determine debits and credits for each account. Step 3: Record transactions in the journal using journal entries. Step 4: Post the journal entry to the ledger. When journal entries are posted from the journal to the ledger, the dollar amount is transferred from the debit and credit columns to the specific accounts in the ledger. The date on the journal entry should also be transferred to the accounts in the ledger. Step 5: Determine whether the accounting equation is in balance. After each entry the accounting equation should always be in balance.

- 12.** What are the four parts of a journal entry?

Part 1: Date of the transaction. Part 2: Debit account name and dollar amount. Part 3: Credit account name and dollar amount. The credit account name is indented. Part 4: Brief explanation.

- 13.** What is involved in the posting process?

When transactions are posted from the journal to the ledger, the dollar amount is transferred from the debit and credit columns to the specific accounts in the ledger. The date of the journal entry is also transferred to the accounts in the ledger. The posting reference columns in the journal and ledger are also completed. In a computerized system, this step is completed automatically when the transaction is recorded in the journal.

- 14.** What is the purpose of the trial balance?

The trial balance is used to prove the equality of total debits and total credits of all accounts in the ledger; it is also used to prepare the financial statements.

15. What is the difference between the trial balance and the balance sheet?

A trial balance verifies the equality of total debits and total credits of all accounts on the trial balance and is an internal document used only by employees of the company. The balance sheet, on the other hand, presents the business's accounting equation and is a financial statement that can be used by both internal and external users.

16. If total debits equal total credits on the trial balance, is the trial balance error-free? Explain your answer.

If total debits equal total credits on the trial balance, it does not mean that the trial balance is error-free. An incorrect amount could have been used, an entry could have been completely missed, or the wrong account title could have been debited or credited.

17. What is the calculation for the debt ratio? Explain what the debt ratio evaluates.

The debt ratio is calculated by dividing total liabilities by total assets and shows the proportion of assets financed with debt. It can be used to evaluate a business's ability to pay its debts.

Short Exercises

S2-1 Identifying accounts

Learning Objective 1

Consider the following accounts and identify each account as an asset (A), liability (L), or equity (E).

- a. Notes Receivable
- b. Nunez, Capital
- c. Prepaid Insurance
- d. Notes Payable
- e. Rent Revenue
- f. Taxes Payable
- g. Rent Expense
- h. Furniture
- i. Nunez, Withdrawals
- j. Unearned Revenue

SOLUTION

- | | |
|-----------------------------------|------------------------------------|
| a. Notes Receivable (A) | f. Taxes Payable (L) |
| b. Nunez, Capital (E) | g. Rent Expense (E) |
| c. Prepaid Insurance (A) | h. Furniture (A) |
| d. Notes Payable (L) | i. Nunez, Withdrawals (E) |
| e. Rent Revenue (E) | j. Unearned Revenue (L) |

S2-2 Identifying increases and decreases in accounts

Learning Objective 2

For each account, identify whether the changes would be recorded as a debit (DR) or credit (CR).

- a. Increase to Accounts Receivable
- b. Decrease to Unearned Revenue
- c. Decrease to Cash
- d. Increase to Interest Expense
- e. Increase to Salaries Payable
- f. Decrease to Prepaid Rent
- g. Increase to Proudfoot, Capital
- h. Increase to Notes Receivable
- i. Decrease to Accounts Payable
- j. Increase to Interest Revenue

SOLUTION

- | | |
|--|---|
| a. Increase to Accounts Receivable (DR) | f. Decrease to Prepaid Rent (CR) |
| b. Decrease to Unearned Revenue (DR) | g. Increase to Proudfoot, Capital (CR) |
| c. Decrease to Cash (CR) | h. Increase to Notes Receivable (DR) |
| d. Increase to Interest Expense (DR) | i. Decrease to Accounts Payable (DR) |
| e. Increase to Salaries Payable (CR) | j. Increase to Interest Revenue (CR) |

S2-3 Identifying normal balances

Learning Objective 2

For each account, identify whether the normal balance is a debit (DR) or credit (CR).

- a. Notes Payable
- b. Herman, Withdrawals
- c. Service Revenue
- d. Land
- e. Unearned Revenue
- f. Herman, Capital
- g. Utilities Expense
- h. Office Supplies
- i. Advertising Expense
- j. Interest Payable

SOLUTION

- | | |
|-----------------------------|-----------------------------|
| a. Notes Payable (CR) | f. Herman, Capital (CR) |
| b. Herman, Withdrawals (DR) | g. Utilities Expense (DR) |
| c. Service Revenue (CR) | h. Office Supplies (DR) |
| d. Land (DR) | i. Advertising Expense (DR) |
| e. Unearned Revenue (CR) | j. Interest Payable (CR) |

S2-4 Calculating the balance of a T-account

Learning Objective 2

Accounts Payable			
May 2	6,000	21,000	May 1
May 22	11,500	500	May 5
		8,500	May 15
		500	May 23

Calculate the Accounts Payable balance.

SOLUTION

Accounts Payable			
May 2	6,000	21,000	May 1
May 22	11,500	500	May 5
		8,500	May 15
		500	May 23
		13,000	Bal.

S2-5 Journalizing transactions

Learning Objective 3

John Daniel opened a medical practice in Sacramento, California, and had the following transactions during the month of January.

Jan. 1	The business received \$34,000 cash and gave capital to Daniel.
2	Purchased medical supplies on account, \$17,000.
4	Performed services for patients receiving \$1,600.
12	Paid monthly office rent of \$3,000.
15	Recorded \$7,000 revenue for services rendered to patients on account.

Journalize the transactions of John Daniel, M.D. Include an explanation with each entry.

SOLUTION

Date	Accounts and Explanation	Debit	Credit
Jan. 1	Cash Daniel, Capital <i>Owner contribution.</i>	34,000	34,000
2	Medical Supplies Accounts Payable <i>Purchased medical supplies on account.</i>	17,000	17,000
4	Cash Service Revenue <i>Performed services for patients.</i>	1,600	1,600
12	Rent Expense Cash <i>Paid rent with cash.</i>	3,000	3,000
15	Accounts Receivable Service Revenue <i>Performed services for patients on account.</i>	7,000	7,000

S2-6 Journalizing transactions

Learning Objective 3

Harper Sales Consultants completed the following transactions during the latter part of January:

Jan. 22	Performed services for customers on account, \$7,500.
30	Received cash on account from customers, \$8,000.
31	Received a utility bill, \$220, which will be paid during February.
31	Paid monthly salary to salesman, \$2,500.
31	Received \$2,310 for three months of consulting service to be performed starting in February.
31	The owner, Damon Harper, withdrew \$950 from the business.

Journalize the transactions of Harper Sales Consultants. Include an explanation with each journal entry.

SOLUTION

Date	Accounts and Explanation	Debit	Credit
Jan. 22	Accounts Receivable Service Revenue <i>Performed services for customers on account.</i>	7,500	7,500
30	Cash Accounts Receivable <i>Received cash on account from customers.</i>	8,000	8,000
31	Utilities Expense Utilities Payable <i>Received a utility bill due in February.</i>	220	220
31	Salaries Expense Cash <i>Paid monthly salary to salesman.</i>	2,500	2,500
31	Cash Unearned Revenue <i>Received cash for 3 months consulting services in advance.</i>	2,310	2,310
31	Harper, Withdrawals Cash <i>Owner withdrawal.</i>	950	950

S2-7 Journalizing transactions and posting to T-accounts

Learning Objective 3

Roland Foster Optical Dispensary completed the following transactions during the latter part of March:

Mar. 15	Purchased office supplies on account, \$3,400.
28	Paid \$1,800 on account.

Requirements

1. Journalize the transactions of Roland Foster Optical Dispensary. Include an explanation with each journal entry.
2. Open the following accounts (use T-account format): Cash (Beginning Balance of \$21,000), Office Supplies, and Accounts Payable. Post the journal entries from Requirement 1 to the accounts, and compute the balance in each account.

SOLUTION

Requirement 1

Date	Accounts and Explanation	Debit	Credit
Mar. 15	Office Supplies Accounts Payable <i>Purchased office supplies on account.</i>	3,400	3,400
28	Accounts Payable Cash <i>Paid cash on account.</i>	1,800	1,800

Requirement 2

Cash			
Bal.	21,000	1,800	Mar. 28
Bal.	19,200		

Accounts Payable			
Mar. 28	1,800	3,400	Mar. 15
		1,600	Bal.

Office Supplies	
Mar. 15	3,400
Bal.	3,400

S2-8 Preparing a trial balance

Learning Objective 4

Smithson Floor Coverings reported the following summarized data at December 31, 2018. Accounts appear in no particular order, and all have normal balances.

Service Revenue	\$ 26,000	Salaries Payable	\$ 25,000
Equipment	36,000	Salaries Expense	1,600
Rent Expense	17,000	Cash	7,000
Smithson, Capital	24,000	Accounts Receivable	3,600
Accounts Payable	2,200	Interest Payable	6,000
Smithson, Withdrawals	16,100	Utilities Expense	1,900

Prepare the trial balance of Smithson Floor Coverings at December 31, 2018.

SOLUTION

SMITHSON FLOOR COVERINGS Trial Balance December 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 7,000	
Accounts Receivable	3,600	
Equipment	36,000	
Accounts Payable		\$ 2,200
Salaries Payable		25,000
Interest Payable		6,000
Smithson, Capital		24,000
Smithson, Withdrawals	16,100	
Service Revenue		26,000
Rent Expense	17,000	
Salaries Expense	1,600	
Utilities Expense	1,900	
Total	\$ 83,200	\$ 83,200

S2-9 Calculating debt ratio

Learning Objective 5

Aladdin Carpet Care had the following total assets, liabilities, and equity as of October 31:

Assets	\$ 200,000
Liabilities	30,000
Equity	170,000

What is Aladdin Carpet Care's debt ratio as of October 31?

SOLUTION

Debt ratio = Total liabilities / Total assets = \$30,000 / \$200,000 = 0.15 = 15%

Exercises

E2-10 Using accounting vocabulary

Learning Objectives 1, 2, 3, 4

Match the accounting terms with the corresponding definitions.

- | | |
|----------------------------|--|
| 1. Posting | a. A detailed record of all increases and decreases that have occurred in a particular asset, liability, or equity during a period |
| 2. Account | b. The record holding all the accounts of a business, the changes in those accounts, and their balances |
| 3. Debit | c. A journal entry that is characterized by having multiple debits and/or multiple credits |
| 4. Journal | d. A record of transactions in date order |
| 5. Chart of accounts | e. Left side of a T-account |
| 6. Trial balance | f. Side of an account where increases are recorded |
| 7. Normal balance | g. Transferring amounts from the journal to the ledger |
| 8. Ledger | h. Right side of a T-account |
| 9. Credit | i. A list of all accounts with their balances at a point in time |
| 10. Compound journal entry | j. A list of all accounts with their account numbers |

SOLUTION

1. g
2. a
3. e
4. d
5. j
6. i
7. f
8. b
9. h
10. c

E2-11 Creating a chart of accounts

Raymond Autobody Shop has the following accounts:

Accounts Payable	Service Revenue
Cash	Equipment
Utilities Expense	Raymond, Capital
Automotive Supplies	Advertising Expense
Raymond, Withdrawals	Unearned Revenue

Create a chart of accounts for Raymond Autobody Shop using the standard numbering system. Each account is separated by a factor of 10. For example, the first asset account will be 100 and the next asset account will 110.

SOLUTION

Assets	Equity
100 – Cash	300 – Raymond, Capital
110 – Automotive Supplies	310 – Raymond, Withdrawals
120 – Equipment	
	Revenues
Liabilities	400 – Service Revenue
200 – Accounts Payable	
210 – Unearned Revenue	Expenses
	500 – Utilities Expense
	510 – Advertising Expense

E2-12 Identifying accounts, increases in accounts, and normal balances

Learning Objectives 1, 2

- a. Interest Revenue
- b. Accounts Payable
- c. Calhoun, Capital
- d. Office Supplies
- e. Advertising Expense
- f. Unearned Revenue
- g. Prepaid Rent
- h. Utilities Expense
- i. Calhoun, Withdrawals
- j. Service Revenue

Requirements

- 1. Identify each account as asset (A), liability (L), or equity (E).
- 2. Identify whether the account is increased with a debit (DR) or credit (CR).
- 3. Identify whether the normal balance is a debit (DR) or credit (CR).

SOLUTION

		Requirement 1	Requirement 2	Requirement 3
	Account Name	Type of Account	Increase with Debit/Credit	Normal Balance Debit/Credit
a.	Interest Revenue	E	CR	CR
b.	Accounts Payable	L	CR	CR
c.	Calhoun, Capital	E	CR	CR
d.	Office Supplies	A	DR	DR
e.	Advertising Expense	E	DR	DR
f.	Unearned Revenue	L	CR	CR
g.	Prepaid Rent	A	DR	DR
h.	Utilities Expense	E	DR	DR
i.	Calhoun, Withdrawals	E	DR	DR
j.	Service Revenue	E	CR	CR

E2-13 Identifying increases and decreases in accounts and normal balances

Learning Objective 2

Insert the missing information into the accounting equation. Signify increases as Incr. and decreases as Decr.

(a)		=	LIABILITIES		+	(b)										
ASSETS		=	(c)		+	Owner, Capital		-	(d)		+	Revenues		-	Expenses	
(e)	Decr.		Decr.	(f)		(g)	(h)		(i)	(j)		(k)	(l)		Incr.	(m)
Debit	(n)		(o)	Credit		(p)	Credit		(q)	Credit		Debit	Credit		(r)	Credit

SOLUTION

(a) Assets		=	Liabilities		+	(b) Equity										
Assets		=	(c) Liabilities		+	Owner, Capital		-	(d) Owner, Withdrawals		+	Revenues		-	Expenses	
(e) Incr.	Decr.		Decr.	(f) Incr.		(g) Decr.	(h) Incr.		(i) Incr.	(j) Decr.		(k) Decr.	(l) Incr.		Incr.	(m) Decr.
Debit	(n) Credit		(o) Debit	Credit		(p) Debit	Credit		(q) Debit	Credit		Debit	Credit		(r) Debit	Credit

(a) Assets

(b) Equity

(c) Liabilities

(d) Owner, Withdrawals

(e) Incr.

(f) Incr.

(g) Decr.

(h) Incr.

(i) Incr.

(j) Decr.

(k) Decr.

(l) Incr.

(m) Decr.

(n) Credit

(o) Debit

(p) Debit

(q) Debit

(r) Debit

E2-14 Identifying source documents

Learning Objective 3

- a. For each transaction, identify a possible source document.
- b. The business received \$20,000 cash and gave capital to the owner.
- c. Purchased office supplies on account, \$500.
- d. Recorded \$1,000 revenue for services rendered to customers.

SOLUTION

- a. Bank deposit slip
- b. Purchase invoice
- c. Sales invoice

E2-15 Analyzing and journalizing transactions

Learning Objective 3

As the manager of Margarita Mexican Restaurant, you must deal with a variety of business transactions. Provide an explanation for the following transactions:

- a. Debit Equipment and credit Cash.
- b. Debit Garcia, Withdrawals and credit Cash.
- c. Debit Wages Payable and credit Cash.
- d. Debit Equipment and credit Garcia, Capital.
- e. Debit Cash and credit Unearned Revenue.
- f. Debit Advertising Expense and credit Cash.
- g. Debit Cash and credit Service Revenue.

Use the following information to answer Exercises E2-16 and E2-17.

The following transactions occurred for Lawrence Engineering:

Jul. 2	Received \$14,000 contribution from Brett Lawrence, owner, in exchange for capital.
4	Paid utilities expense of \$370.
5	Purchased equipment on account, \$1,600.
10	Performed services for a client on account, \$2,900.
12	Borrowed \$7,100 cash, signing a notes payable.
19	The owner, Brett Lawrence, withdrew \$200 cash from the business.
21	Purchased office supplies for \$840 and paid cash.
27	Paid the liability from July 5.

SOLUTION

- a. Purchased equipment with cash.
- b. Owner withdrew cash.
- c. Paid wages owed to employees, previously recorded.
- d. Received equipment for the business in exchange for owner's capital.
- e. Received cash from customer for work to be completed in the future.
- f. Paid for advertising with cash.
- g. Performed services that were paid by the customer.

E2-16 Analyzing and journalizing transactions

Learning Objective 3

Journalize the transactions of Lawrence Engineering. Include an explanation with each journal entry. Use the following accounts: Cash; Accounts Receivable; Office Supplies; Equipment; Accounts Payable; Notes Payable; Lawrence, Capital; Lawrence, Withdrawals; Service Revenue; and Utilities Expense.

SOLUTION

Date	Accounts and Explanation	Debit	Credit
Jul. 2	Cash Lawrence, Capital <i>Owner contribution.</i>	14,000	14,000
4	Utilities Expense Cash <i>Paid utility expense.</i>	370	370
5	Equipment Accounts Payable <i>Purchased equipment on account.</i>	1,600	1,600
10	Accounts Receivable Service Revenue <i>Performed services for client on account.</i>	2,900	2,900
12	Cash Notes Payable <i>Borrowed cash by signing note.</i>	7,100	7,100
19	Lawrence, Withdrawals Cash <i>Owner withdrawal.</i>	200	200

E2-16, cont.

21	Office Supplies Cash <i>Purchased office supplies with cash.</i>	840	840
27	Accounts Payable Cash <i>Paid cash on account.</i>	1,600	1,600

E2-17 Posting journal entries to T-accounts**Learning Objective 3****3. Cash Balance \$18,090****Requirements**

1. Open the following T-accounts for Lawrence Engineering: Cash; Accounts Receivable; Office Supplies; Equipment; Accounts Payable; Notes Payable; Lawrence, Capital; Lawrence, Withdrawals; Service Revenue; and Utilities Expense.
2. Post the journal entries to the T-accounts. Also transfer the dates to the T-accounts.
3. Compute the July 31 balance for each account.

Use the following information to answer Exercises E2-18 and E2-19.

The following transactions occurred for Wilke Technology Solutions:

May 1	The business received cash of \$105,000 and gave capital to Zoe Wilke.
2	Purchased office supplies on account, \$550.
4	Paid \$57,000 cash for building and land. The building had a fair market value of \$45,000.
6	Performed services for customers and received cash, \$3,600.
9	Paid \$350 on accounts payable.
17	Performed services for customers on account, \$3,500.
19	Paid rent expense for the month, \$1,200.
20	Received \$1,500 from customers for services to be performed next month.
21	Paid \$900 for advertising in next month's <i>IT Technology</i> magazine.
23	Received \$3,100 cash on account from a customer.
31	Incurred and paid salaries, \$1,700.

SOLUTION

Requirements 1, 2, and 3

Cash			
Jul. 2	14,000	370	Jul. 4
Jul. 12	7,100	200	Jul. 19
		840	Jul. 21
		1,600	Jul. 27
Balance	18,090		

Accounts Receivable		
Jul. 10	2,900	
Balance	2,900	

Office Supplies		
Jul. 21	840	
Balance	840	

Equipment		
Jul. 5	1,600	
Balance	1,600	

Accounts Payable			
Jul. 27	1,600	1,600	Jul. 5
		0	Balance

Notes Payable		
	7,100	Jul. 12
	7,100	Balance

Lawrence, Capital		
	14,000	Jul. 2
	14,000	Balance

Lawrence, Withdrawals		
Jul. 19	200	
Balance	200	

Service Revenue		
	2,900	Jul. 10
	2,900	Balance

Utilities Expense		
Jul. 4	370	
Balance	370	

E2-18 Analyzing and journalizing transactions

Learning Objective 3

Journalize the transactions of Wilke Technology Solutions. Include an explanation with each journal entry. Use the following accounts: Cash; Accounts Receivable; Office Supplies; Prepaid Advertising; Land; Building; Accounts Payable; Unearned Revenue; Wilke, Capital; Service Revenue; Rent Expense; and Salaries Expense.

SOLUTION

Date	Accounts and Explanation	Post. Ref.	Debit	Credit
May 1	Cash Wilke, Capital <i>Owner contribution</i>		105,000	105,000
2	Office Supplies Accounts Payable <i>Purchased office supplies on account.</i>		550	550
4	Building Land Cash <i>Purchased building and land for cash.</i>		45,000 12,000	57,000
6	Cash Service Revenue <i>Performed services for customers for cash.</i>		3,600	3,600
9	Accounts Payable Cash <i>Paid cash on account.</i>		350	350
17	Accounts Receivable Service Revenue <i>Performed services for customers on account.</i>		3,500	3,500
19	Rent Expense Cash <i>Paid rent for the month.</i>		1,200	1,200
20	Cash Unearned Revenue <i>Received cash from customers for services to be performed next month.</i>		1,500	1,500

E2-18, cont.

21	Prepaid Advertising Cash <i>Paid for next month's advertising.</i>		900	900
23	Cash Accounts Receivable <i>Received cash on account from customer.</i>		3,100	3,100
31	Salaries Expense Cash <i>Paid salaries.</i>		1,700	1,700

E2-19 Posting journal entries to four-column accounts**Learning Objective 3**

2. Cash Balance \$52,050

Requirements

1. Open four-column accounts using the following account numbers: Cash, 110; Accounts Receivable, 120; Office Supplies, 130; Prepaid Advertising, 140; Land, 150; Building, 160; Accounts Payable, 210; Unearned Revenue, 220; Wilke, Capital, 310; Service Revenue, 410; Rent Expense, 510; and Salaries Expense, 520.
2. Post the journal entries to the four-column accounts, and determine the balance in the account after each transaction. Assume that the journal entries were recorded on page 10 of the journal. Make sure to complete the Post. Ref. columns in the journal and ledger.

SOLUTION

Requirement 2

Date	Accounts and Explanation	Post. Ref.	Debit	Credit
May 1	Cash Wilke, Capital <i>Owner contribution.</i>	110 310	105,000	105,000
2	Office Supplies Accounts Payable <i>Purchased office supplies on account.</i>	130 210	550	550
4	Building Land Cash <i>Purchased building and land for cash.</i>	160 150 110	45,000 12,000	57,000
6	Cash Service Revenue <i>Performed services for customers for cash.</i>	110 410	3,600	3,600
9	Accounts Payable Cash <i>Paid cash on account.</i>	210 110	350	350
17	Accounts Receivable Service Revenue <i>Performed services for customers on account.</i>	120 410	3,500	3,500

E2-19, cont.

19	Rent Expense Cash <i>Paid rent for the month.</i>	510 110	1,200	1,200
20	Cash Unearned Revenue <i>Received cash from customers for services to be performed next month.</i>	110 220	1,500	1,500
21	Prepaid Advertising Cash <i>Paid for next month's advertising.</i>	140 110	900	900
23	Cash Accounts Receivable <i>Received cash on account from customer.</i>	110 120	3,100	3,100
31	Salaries Expense Cash <i>Paid salaries.</i>	520 110	1,700	1,700

Requirements 1 and 2

CASH

Account No. 110

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
May 1		J10	105,000		105,000	
May 4		J10		57,000	48,000	
May 6		J10	3,600		51,600	
May 9		J10		350	51,250	
May 19		J10		1,200	50,050	
May 20		J10	1,500		51,550	
May 21		J10		900	50,650	
May 23		J10	3,100		53,750	
May 31		J10		1,700	52,050	

ACCOUNTS RECEIVABLE

Account No. 120

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
May 17		J10	3,500		3,500	
May 23		J10		3,100	400	

E2-19, cont.**OFFICE SUPPLIES**

Account No. 130

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
May 2		J10	550		550	

PREPAID ADVERTISING

Account No. 140

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
May 21		J10	900		900	

LAND

Account No. 150

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
May 4		J10	12,000		12,000	

BUILDING

Account No. 160

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
May 4		J10	45,000		45,000	

ACCOUNTS PAYABLE

Account No. 210

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
May 2		J10		550		550
May 9		J10	350			200

UNEARNED REVENUE

Account No. 220

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
May 20		J10		1,500		1,500

WILKE, CAPITAL

Account No. 310

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
May 1		J10		105,000		105,000

E2-19, cont.

SERVICE REVENUE

Account No. 410

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
May 6		J10		3,600		3,600
May 17		J10		3,500		7,100

RENT EXPENSE

Account No. 510

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
May 19		J10	1,200		1,200	

SALARIES EXPENSE

Account No. 520

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
May 31		J10	1,700		1,700	

E2-20 Analyzing transactions from T-accounts

Learning Objective 3

The first nine transactions of North-West Airplane Repair have been posted to the T-accounts. Provide an explanation for each of the nine transactions

[illegible]

SOLUTION

1. The business received cash of \$370,000 and gave capital to owner.
2. Paid \$360,000 cash for a building.
3. Borrowed \$260,000 cash, signing a note payable.
4. Purchased office supplies on account, \$1,500.
5. Paid \$1,200 on accounts payable.
6. Paid property tax expense, \$1,500.
7. Paid rent \$1,400 and salaries \$2,500.
8. Owner withdrew \$7,000.
9. Performed services for customers and received cash, \$21,000.

E2-21 Journalizing transactions from T-accounts

Learning Objective 3

In December 2018, the first five transactions of Abling's Lawn Care Company have been posted to the T-accounts. Prepare the journal entries that served as the sources for the five transactions. Include an explanation for each entry.

Cash			Office Supplies			Building			Equipment		
(1) 57,000	40,000	(3)	(2) 800			(3) 40,000			(5) 3,800		
(4) 46,000	3,800	(5)									
Accounts Payable			Notes Payable			Abning, Capital					
	800	(2)		46,000	(4)		57,000	(1)			

SOLUTION

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
1.	Cash Abning, Capital <i>Owner contribution.</i>		57,000	57,000
2.	Office Supplies Accounts Payable <i>Purchased office supplies on account.</i>		800	800
3.	Building Cash <i>Purchased building for cash.</i>		40,000	40,000
4.	Cash Notes Payable <i>Borrowed money signing a note payable.</i>		46,000	46,000
5.	Equipment Cash <i>Purchased equipment for cash.</i>		3,800	3,800

E2-22 Preparing a trial balance

Learning Objective 4

Total Debits \$191,800

The accounts of Anderson Moving Company follow with their normal balances as of August 31, 2018. The accounts are listed in no particular order.

Anderson, Capital	\$ 49,800	Trucks	\$ 123,000
Insurance Expense	600	Fuel Expense	1,000
Accounts Payable	4,000	Anderson, Withdrawals	5,600
Service Revenue	82,000	Utilities Expense	300
Building	41,000	Accounts Receivable	10,000
Advertising Expense	200	Notes Payable	56,000
Salaries Expense	6,000	Office Supplies	100
Cash	4,000		

Prepare Anderson's trial balance as of August 31, 2018.

SOLUTION

ANDERSON MOVING COMPANY Trial Balance August 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 4,000	
Accounts Receivable	10,000	
Office Supplies	100	
Building	41,000	
Trucks	123,000	
Accounts Payable		\$ 4,000
Notes Payable		56,000
Anderson, Capital		49,800
Anderson, Withdrawals	5,600	
Service Revenue		82,000
Salaries Expense	6,000	
Fuel Expense	1,000	
Insurance Expense	600	
Utilities Expense	300	
Advertising Expense	200	
Total	\$ 191,800	\$ 191,800

E2-24 Journalizing transactions, posting journal entries to four-column accounts, and preparing a trial balance

Learning Objectives 3, 4

3. Total Debits \$24,670

The following transactions occurred during the month for Teresa Parker, CPA:

Jun. 1	Parker opened an accounting firm by contributing \$13,200 cash and office furniture with a fair market value of \$5,300 in exchange for capital.
5	Paid monthly rent of \$1,300.
9	Purchased office supplies on account, \$600.
14	Paid employee's salary, \$1,900.
18	Received a bill for utilities to be paid next month, \$370.
21	Paid \$500 of the accounts payable created on June 9.
25	Performed accounting services on account, \$5,700.
28	Parker withdrew cash of \$6,700.

Requirements

1. Open the following four-column accounts of Teresa Parker, CPA: Cash, 110; Accounts Receivable, 120; Office Supplies, 130; Office Furniture, 140; Accounts Payable, 210; Utilities Payable, 220; Parker, Capital, 310; Parker, Withdrawals, 320; Service Revenue, 410; Salaries Expense, 510; Rent Expense, 520; and Utilities Expense, 530.
2. Journalize the transactions, and then post the journal entries to the four-column accounts. Explanations are not required for the journal entries. Keep a running balance in each account. Assume the journal entries are recorded on page 10 of the journal.
3. Prepare the trial balance as of June 30, 2018.

SOLUTION

Requirement 2

Date	Accounts and Explanation	Post Ref.	Debit	Credit
June 1	Cash	110	13,200	
	Office Furniture	140	5,300	
	Parker, Capital	310		18,500
5	Rent Expense	520	1,300	
	Cash	110		1,300
9	Office Supplies	130	600	
	Accounts Payable	210		600
14	Salaries Expense	510	1,900	
	Cash	110		1,900

E2-24, cont.

18	Utilities Expense	530	370	
	Utilities Payable	220		370
21	Accounts Payable	210	500	
	Cash	110		500
25	Accounts Receivable	120	5,700	
	Service Revenue	410		5,700
28	Parker, Withdrawals	320	6,700	
	Cash	110		6,700

Requirements 1 & 2**CASH**

Account No. 110

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
June 1		J10	13,200		13,200	
June 5		J10		1,300	11,900	
June 14		J10		1,900	10,000	
June 21		J10		500	9,500	
June 28		J10		6,700	2,800	

ACCOUNTS RECEIVABLE

Account No. 120

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
June 25		J10	5,700		5,700	

OFFICE SUPPLIES

Account No. 130

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
June 9		J10	600		600	

OFFICE FURNITURE

Account No. 140

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
June 1		J10	5,300		5,300	

E2-24, cont.**ACCOUNTS PAYABLE**

Account No. 210

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
June 9		J10		600		600
June 21		J10	500			100

UTILITIES PAYABLE

Account No. 220

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
June 18		J10		370		370

PARKER, CAPITAL

Account No. 310

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
June 1		J10		18,500		18,500

PARKER, WITHDRAWALS

Account No. 320

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
June 28		J10	6,700		6,700	

SERVICE REVENUE

Account No. 410

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
June 25		J10		5,700		5,700

SALARIES EXPENSE

Account No. 510

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
June 14		J10	1,900		1,900	

E2-24, cont.**RENT EXPENSE**

Account No. 520

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
June 5		J10	1,300		1,300	

UTILITIES EXPENSE

Account No. 530

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
June 18		J10	370		370	

Requirement 3

TERESA PARKER, CPA Trial Balance June 30, 2018			
Acct. No.	Account Title	Balance	
		Debit	Credit
110	Cash	\$ 2,800	
120	Accounts Receivable	5,700	
130	Office Supplies	600	
140	Office Furniture	5,300	
210	Accounts Payable		\$ 100
220	Utilities Payable		370
310	Parker, Capital		18,500
320	Parker, Withdrawals	6,700	
410	Service Revenue		5,700
510	Salaries Expense	1,900	
520	Rent Expense	1,300	
530	Utilities Expense	370	
	Total	\$ 24,670	\$ 24,670

E2-25 Analyzing accounting errors

Learning Objectives 4

Courtney Meehan has trouble keeping her debits and credits equal. During a recent month, Courtney made the following accounting errors:

- a. In preparing the trial balance, Courtney omitted a \$5,000 Notes Payable. The debit to Cash was correct.
- b. Courtney posted a \$1,000 Utilities Expense as \$100. The credit to Cash was correct.
- c. In recording a \$600 payment on account, Courtney debited Furniture instead of Accounts Payable.
- d. In journalizing a receipt of cash for service revenue, Courtney debited Cash for \$50 instead of the correct amount of \$500. The credit was correct.
- e. Courtney recorded a \$210 purchase of office supplies on account by debiting Office Supplies for \$120 and crediting Accounts Payable for \$120.

Requirements

1. For each of these errors, state whether total debits equal total credits on the trial balance.
2. Identify each account that has an incorrect balance and the amount and direction of the error (e.g., "Accounts Receivable \$500 too high").

SOLUTION

Requirements 1 and 2

Debits equal Credits,				
	Yes or No	Accounts	Amount	High or Low
a.	No	Notes Payable	\$5,000	Low
b.	No	Utilities Expense	900	Low
c.	Yes	Furniture	600	High
		Accounts Payable	600	High
d.	No	Cash	450	Low
e.	Yes	Office Supplies	90	Low
		Accounts Payable	90	Low

E2-26 Correcting errors in a trial balance

Learning Objective 4

Total Debits \$35,600

The accountant for Countryside Painting Specialists is having a hard time preparing the trial balance as of November 30, 2018:

COUNTRYSIDE PAINTING SPECIALISTS		
Trial Balance		
November 30, 2018		
	Balance	
Account Title	Debit	Credit
Painting Equipment	\$ 13,500	
Cash	12,100	
Accounts Receivable	1,300	
Advertising Expense	550	
Watts, Withdrawals		\$ 3,500
Accounts Payable		3,300
Rent Expense	1,800	
Watts, Capital	15,000	
Service Revenue		15,600
Unearned Revenue	1,700	
Salaries Expense	2,400	
Office Supplies		200
Utilities Expense	250	
Total	<u>\$ 48,600</u>	<u>\$ 22,600</u>

Prepare the corrected trial balance as of November 30, 2018. Assume all amounts are correct and all accounts have normal balances.

SOLUTION

COUNTRYSIDE PAINTING SPECIALISTS		
Trial Balance		
November 30, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 12,100	
Accounts Receivable	1,300	
Office Supplies	200	
Painting Equipment	13,500	
Accounts Payable		\$ 3,300
Unearned Revenue		1,700
Watts, Capital		15,000
Watts, Withdrawals	3,500	
Service Revenue		15,600
Advertising Expense	550	
Rent Expense	1,800	
Salaries Expense	2,400	
Utilities Expense	250	
Total	<u>\$ 35,600</u>	<u>\$ 35,600</u>

E2-27 Correcting errors in a trial balance

Learning Objective 4

Total Debits \$35,300

The following trial balance of Joy McDowell Tutoring Service as of May 31, 2018, does not balance.

JOY MCDOWELL TUTORING SERVICE		
Trial Balance		
May 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 2,800	
Accounts Receivable	2,000	
Office Supplies	600	
Computer Equipment	15,800	
Accounts Payable		\$ 11,100
Utilities Payable		800
McDowell, Capital		11,600
McDowell, Withdrawals	10,400	
Service Revenue		9,600
Salaries Expense	1,900	
Rent Expense	800	
Utilities Expense	700	
Total	<u>\$ 35,000</u>	<u>\$ 33,100</u>

Investigation of the accounting records reveals that the bookkeeper:

- Recorded a \$400 cash revenue transaction by debiting Accounts Receivable. The credit entry was correct.
- Posted a \$2,000 credit to Accounts Payable as \$200.
- Did not record Utilities Expense or the related Utilities Payable in the amount of \$300.
- Understated McDowell, Capital by \$100.

Prepare the corrected trial balance as of May 31, 2018, complete with a heading; journal entries are not required.

SOLUTION

JOY MCDOWELL TUTORING SERVICE Trial Balance May 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 3,200	
Accounts Receivable	1,600	
Office Supplies	600	
Computer Equipment	15,800	
Accounts Payable		\$ 12,900
Utilities Payable		1,100
McDowell, Capital		11,700
McDowell, Withdrawals	10,400	
Service Revenue		9,600
Salaries Expense	1,900	
Rent Expense	800	
Utilities Expense	1,000	
Total	\$ 35,300	\$ 35,300

Explanation:

- a. Increase Cash by \$400, decrease Accounts Receivable by \$400.
- b. Increase Accounts Payable by \$1,800 (\$2,000 – \$200).
- c. Increase Utilities Expense and Utilities Payable by \$300 each.
- d. Increase McDowell, Capital by \$100.

E2-28 Calculating the debt ratio

Learning Objective 5

Total Assets \$174,900

John Hart, M.D., reported the following trial balance as of September 30, 2018:

JOHN HART, M.D. Trial Balance September 30, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 30,000	
Accounts Receivable	7,900	
Office Supplies	3,000	
Land	29,000	
Building	75,000	
Office Equipment	30,000	
Accounts Payable		\$ 1,600
Utilities Payable		800
Unearned Revenue		24,795
Notes Payable		69,000
Hart, Capital		110,000
Hart, Withdrawals	57,000	
Service Revenue		50,505
Salaries Expense	23,500	
Utilities Expense	1,100	
Advertising Expense	200	
Total	<u>\$ 256,700</u>	<u>\$ 256,700</u>

Calculate the debt ratio for John Hart, M.D.

SOLUTION

Liabilities:

Accounts Payable	\$ 1,600
Utilities Payable	800
Unearned Revenue	24,795
Notes Payable	<u>69,000</u>
Total liabilities	<u>\$ 96,195</u>

Assets:

Cash	\$ 30,000
Accounts Receivable	7,900
Office Supplies	3,000
Office Equipment	30,000
Building	75,000
Land	<u>29,000</u>
Total assets	<u>\$ 174,900</u>

Debt ratio = Total liabilities / Total assets = \$96,195 / \$174,900 = 0.55 = 55%

Problems (Group A)

P2-29A Journalizing transactions, posting journal entries to T-accounts, and preparing a trial balance

Learning Objectives 3, 4

2. Cash Balance \$56,050

Vince York practices medicine under the business title Vince York, M.D. During July, the medical practice completed the following transactions:

Jul. 1	York contributed \$63,000 cash to the business in exchange for capital.
5	Paid monthly rent on medical equipment, \$510.
9	Paid \$23,000 cash to purchase land to be used in operations.
10	Purchased office supplies on account, \$1,600.
19	Borrowed \$22,000 from the bank for business use.
22	Paid \$1,100 on account.
28	The business received a bill for advertising in the daily newspaper to be paid in August, \$240.
31	Revenues earned during the month included \$6,400 cash and \$6,000 on account.
31	Paid employees' salaries \$2,200, office rent \$1,900, and utilities \$560. Record as a compound entry.
31	The business received \$1,120 for medical screening services to be performed next month.
31	York withdrew cash of \$7,200.

The business uses the following accounts: Cash; Accounts Receivable; Office Supplies; Land; Accounts Payable; Advertising Payable; Unearned Revenue; Notes Payable; York, Capital; York, Withdrawals; Service Revenue; Salaries Expense; Rent Expense; Utilities Expense; and Advertising Expense.

Requirements

1. Journalize each transaction. Explanations are not required.
2. Post the journal entries to the T-accounts, using transaction dates as posting references in the ledger accounts. Label the balance of each account *Bal*.
3. Prepare the trial balance of Vince York, M.D., as of July 31, 2018.

SOLUTION

Requirement 1

Date	Accounts and Explanation	Post Ref.	Debit	Credit
July 1	Cash York, Capital		63,000	63,000
5	Rent Expense Cash		510	510
9	Land Cash		23,000	23,000
10	Office Supplies Accounts Payable		1,600	1,600
19	Cash Notes Payable		22,000	22,000
22	Accounts Payable Cash		1,100	1,100
28	Advertising Expense Advertising Payable		240	240
31	Cash Accounts Receivable Service Revenue		6,400 6,000	12,400
31	Salaries Expense Rent Expense Utilities Expense Cash		2,200 1,900 560	4,660
31	Cash Unearned Revenue		1,120	1,120
31	York, Withdrawals Cash		7,200	7,200

P2-29A, cont.
Requirement 2

Cash			
Jul. 1	63,000	510	Jul. 5
Jul. 19	22,000	23,000	Jul. 9
Jul. 31	6,400	1,100	Jul. 22
Jul. 31	1,120	4,660	Jul. 31
		7,200	Jul. 31
Bal.	56,050		

Accounts Receivable		
Jul. 31	6,000	
Bal.	6,000	

Office Supplies		
Jul. 10	1,600	
Bal.	1,600	

Land		
Jul. 9	23,000	
Bal.	23,000	

Accounts Payable			
Jul. 22	1,100	1,600	Jul. 10
		500	Bal.

Advertising Payable		
	240	Jul. 28
	240	Bal.

Unearned Revenue		
	1,120	Jul. 31
	1,120	Bal.

Notes Payable		
	22,000	Jul. 19
	22,000	Bal.

York, Capital		
	63,000	Jul. 1
	63,000	Bal.

York, Withdrawals		
Jul. 31	7,200	
Bal.	7,200	

Service Revenue		
	12,400	Jul. 31
	12,400	Bal.

Salaries Expense		
Jul. 31	2,200	
Bal.	2,200	

Rent Expense		
Jul. 5	510	
Jul. 31	1,900	
Bal.	2,410	

Utilities Expense		
Jul. 31	560	
Bal.	560	

Advertising Expense		
Jul. 28	240	
Bal.	240	

P2-29A, cont.
Requirement 3

VINCE YORK, MD Trial Balance July 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 56,050	
Accounts Receivable	6,000	
Office Supplies	1,600	
Land	23,000	
Accounts Payable		\$ 500
Advertising Payable		240
Unearned Revenue		1,120
Notes Payable		22,000
York, Capital		63,000
York, Withdrawals	7,200	
Service Revenue		12,400
Salaries Expense	2,200	
Rent Expense	2,410	
Utilities Expense	560	
Advertising Expense	240	
Total	\$ 99,260	\$ 99,260

P2-30A Journalizing transactions, posting journal entries to T-accounts, and preparing a trial balance

Learning Objectives 3, 4

4. Total Debits \$58,300

Ann Simpson started her practice as a design consultant on September 1, 2018. During the first month of operations, the business completed the following transactions:

Sep. 1	Received \$48,000 cash and gave capital to Simpson.
4	Purchased office supplies, \$1,200, and furniture, \$1,300, on account.
6	Performed services for a law firm and received \$1,900 cash.
7	Paid \$18,000 cash to acquire land to be used in operations.
10	Performed services for a hotel and received its promise to pay the \$1,200 within one week.
14	Paid for the furniture purchased on September 4 on account.
15	Paid assistant's semimonthly salary, \$1,500.
17	Received cash on account, \$1,000.
20	Prepared a design for a school on account, \$650.
25	Received \$2,100 cash for design services to be performed in October.
28	Received \$2,900 cash for consulting with Plummer & Gordon.
29	Paid \$600 cash for a 12-month insurance policy starting on October 1.
30	Paid assistant's semimonthly salary, \$1,500.
30	Paid monthly rent expense, \$600.
30	Received a bill for utilities, \$350. The bill will be paid next month.
30	Simpson withdrew cash of \$3,700.

Requirements

1. Record each transaction in the journal using the following account titles: Cash; Accounts Receivable; Office Supplies; Prepaid Insurance; Land; Furniture; Accounts Payable; Utilities Payable; Unearned Revenue; Simpson, Capital; Simpson, Withdrawals; Service Revenue; Salaries Expense; Rent Expense; and Utilities Expense. Explanations are not required.
2. Open a T-account for each of the accounts.
3. Post the journal entries to the T-accounts, using transaction dates as posting references in the ledger accounts. Label the balance of each account *Bal.*
4. Prepare the trial balance of Ann Simpson, Designer, as of September 30, 2018.

SOLUTION

Requirement 1

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Sep. 1	Cash Simpson, Capital		48,000	48,000
4	Office Supplies Furniture Accounts Payable		1,200 1,300	2,500
6	Cash Service Revenue		1,900	1,900
7	Land Cash		18,000	18,000
10	Accounts Receivable Service Revenue		1,200	1,200
14	Accounts Payable Cash		1,300	1,300
15	Salaries Expense Cash		1,500	1,500
17	Cash Accounts Receivable		1,000	1,000
20	Accounts Receivable Service Revenue		650	650
25	Cash Unearned Revenue		2,100	2,100
28	Cash Service Revenue		2,900	2,900
29	Prepaid Insurance Cash		600	600
30	Salaries Expense Cash		1,500	1,500
30	Rent Expense Cash		600	600

P2-30A, cont.

30	Utilities Expense		350	
	Utilities Payable			350
30	Simpson, Withdrawals		3,700	
	Cash			3,700

Requirements 2 and 3

Cash			
Sep. 1	48,000	18,000	Sep. 7
Sep. 6	1,900	1,300	Sep. 14
Sep. 17	1,000	1,500	Sep. 15
Sep. 25	2,100	600	Sep. 29
Sep. 28	2,900	1,500	Sep. 30
		600	Sep. 30
		3,700	Sep. 30
Bal.	28,700		

Accounts Payable			
Sep. 14	1,300	2,500	Sep. 4
		1,200	Bal.

Utilities Payable		
	350	Sep. 30
	350	Bal.

Accounts Receivable			
Sep. 10	1,200	1,000	Sep. 17
Sep. 20	650		
Bal.	850		

Unearned Revenue		
	2,100	Sep. 25
	2,100	Bal.

Office Supplies		
Sep. 4	1,200	
Bal.	1,200	

Simpson, Capital		
	48,000	Sep. 1
	48,000	Bal.

Prepaid Insurance		
Sep. 29	600	
Bal.	600	

Simpson, Withdrawals		
Sep. 30	3,700	
Bal.	3,700	

Land		
Sep. 7	18,000	
Bal.	18,000	

Service Revenue		
	1,900	Sep. 6
	1,200	Sep. 10
	650	Sep. 20
	2,900	Sep. 28
	6,650	Bal.

Furniture		
Sep. 4	1,300	
Bal.	1,300	

P2-30A, cont.

Salaries Expense		
Sep. 15	1,500	
Sep. 30	1,500	
Bal.	3,000	

Rent Expense		
Sep. 30	600	
Bal.	600	

Utilities Expense		
Sep. 30	350	
Bal.	350	

Requirement 4

ANN SIMPSON, DESIGNER Trial Balance September 30, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 28,700	
Accounts Receivable	850	
Office Supplies	1,200	
Prepaid Insurance	600	
Land	18,000	
Furniture	1,300	
Accounts Payable		\$ 1,200
Utilities Payable		350
Unearned Revenue		2,100
Simpson, Capital		48,000
Simpson, Withdrawals	3,700	
Service Revenue		6,650
Salaries Expense	3,000	
Rent Expense	600	
Utilities Expense	350	
Total	\$ 58,300	\$ 58,300

P2-31A Journalizing transactions, posting journal entries to four-column accounts, and preparing a trial balance

Learning Objectives 3, 4

3. Cash Balance \$50,160

Terrence Murphy opened a law office on January 1, 2018. During the first month of operations, the business completed the following transactions:

Jan. 1	Murphy contributed \$78,000 cash to the business, Terrence Murphy, Attorney. The business gave capital to Murphy.
3	Purchased office supplies, \$600, and furniture, \$1,700, on account.
4	Performed legal services for a client and received \$1,000 cash.
7	Purchased a building with a market value of \$130,000, and land with a market value of \$25,000. The business paid \$25,000 cash and signed a note payable to the bank for the remaining amount.
11	Prepared legal documents for a client on account, \$400.
15	Paid assistant's semimonthly salary, \$1,120.
16	Paid for the office supplies purchased on January 3 on account.
18	Received \$2,700 cash for helping a client sell real estate.
19	Defended a client in court and billed the client for \$1,800.
25	Received a bill for utilities, \$600. The bill will be paid next month.
29	Received cash on account, \$1,500.
30	Paid \$1,200 cash for a 12-month insurance policy starting on February 1.
30	Paid assistant's semimonthly salary, \$1,120.
31	Paid monthly rent expense, \$1,800.
31	Murphy withdrew cash of \$2,200.

Requirements

1. Record each transaction in the journal, using the following account titles: Cash; Accounts Receivable; Office Supplies; Prepaid Insurance; Land; Building; Furniture; Accounts Payable; Utilities Payable; Notes Payable; Murphy, Capital; Murphy, Withdrawals; Service Revenue; Salaries Expense; Rent Expense; and Utilities Expense. Explanations are not required.
2. Open the following four-column accounts including account numbers: Cash, 101; Accounts Receivable, 111; Office Supplies, 121; Prepaid Insurance, 131; Land, 141; Building, 151; Furniture, 161; Accounts Payable, 201; Utilities Payable, 211; Notes Payable, 221; Murphy, Capital, 301; Murphy, Withdrawals, 311; Service Revenue, 411; Salaries Expense, 511; Rent Expense, 521; and Utilities Expense, 531.
3. Post the journal entries to four-column accounts in the ledger, using dates, account numbers, journal references, and posting references. Assume the journal entries were recorded on page 1 of the journal.
4. Prepare the trial balance of Terrence Murphy, Attorney, at January 31, 2018.

SOLUTION

Requirements 1 and 3

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Jan. 1	Cash	101	78,000	
	Murphy, Capital	301		78,000
3	Office Supplies	121	600	
	Furniture	161	1,700	
	Accounts Payable	201		2,300
4	Cash	101	1,000	
	Service Revenue	411		1,000
7	Building	151	130,000	
	Land	141	25,000	
	Cash	101		25,000
	Notes Payable	221		130,000
11	Accounts Receivable	111	400	
	Service Revenue	411		400
15	Salaries Expense	511	1,120	
	Cash	101		1,120
16	Accounts Payable	201	600	
	Cash	101		600
18	Cash	101	2,700	
	Service Revenue	411		2,700
19	Accounts Receivable	111	1,800	
	Service Revenue	411		1,800
25	Utilities Expense	531	600	
	Utilities Payable	211		600
29	Cash	101	1,500	
	Accounts Receivable	111		1,500
30	Prepaid Insurance	131	1,200	
	Cash	101		1,200
30	Salaries Expense	511	1,120	
	Cash	101		1,120

P2-31A, cont.

31	Rent Expense	521	1,800	
	Cash	101		1,800
31	Murphy, Withdrawals	311	2,200	
	Cash	101		2,200

Requirements 2 and 3**CASH**

Account No. 101

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 1		J1	78,000		78,000	
Jan. 4		J1	1,000		79,000	
Jan. 7		J1		25,000	54,000	
Jan. 15		J1		1,120	52,880	
Jan. 16		J1		600	52,280	
Jan. 18		J1	2,700		54,980	
Jan. 29		J1	1,500		56,480	
Jan. 30		J1		1,200	55,280	
Jan. 30		J1		1,120	54,160	
Jan. 31		J1		1,800	52,360	
Jan. 31		J1		2,200	50,160	

ACCOUNTS RECEIVABLE

Account No. 111

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 11		J1	400		400	
Jan. 19		J1	1,800		2,200	
Jan. 29		J1		1,500	700	

OFFICE SUPPLIES

Account No. 121

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 3		J1	600		600	

P2-31A, cont.**PREPAID INSURANCE**

Account No. 131

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 30		J1	1,200		1,200	

LAND

Account No. 141

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 7		J1	25,000		25,000	

BUILDING

Account No. 151

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 7		J1	130,000		130,000	

FURNITURE

Account No. 161

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 3		J1	1,700		1,700	

ACCOUNTS PAYABLE

Account No. 201

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 3		J1		2,300		2,300
Jan. 16		J1	600			1,700

UTILITIES PAYABLE

Account No. 211

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 25		J1		600		600

NOTES PAYABLE

Account No. 221

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 7		J1		130,000		130,000

P2-31A, cont.**MURPHY, CAPITAL**

Account No. 301

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 1		J1		78,000		78,000

MURPHY, WITHDRAWALS

Account No. 311

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 31		J1	2,200		2,200	

SERVICE REVENUE

Account No. 411

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 4		J1		1,000		1,000
Jan. 11		J1		400		1,400
Jan. 18		J1		2,700		4,100
Jan. 19		J1		1,800		5,900

SALARIES EXPENSE

Account No. 511

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 15		J1	1,120		1,120	
Jan. 30		J1	1,120		2,240	

RENT EXPENSE

Account No. 521

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 31		J1	1,800		1,800	

UTILITIES EXPENSE

Account No. 531

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 25		J1	600		600	

P2-31A, cont.
Requirement 4

TERRENCE MURPHY, ATTORNEY Trial Balance January 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 50,160	
Accounts Receivable	700	
Office Supplies	600	
Prepaid Insurance	1,200	
Land	25,000	
Building	130,000	
Furniture	1,700	
Accounts Payable		\$ 1,700
Utilities Payable		600
Notes Payable		130,000
Murphy, Capital		78,000
Murphy, Withdrawals	2,200	
Service Revenue		5,900
Salaries Expense	2,240	
Rent Expense	1,800	
Utilities Expense	600	
Total	\$ 216,200	\$ 216,200

P2-32A Journalizing transactions, posting journal entries to four-column accounts, and preparing a trial balance

Learning Objectives 3, 4

3. Cash Balance \$12,500

The trial balance of Shawn Merry, CPA, is dated March 31, 2018:

SHAWN MERRY, CPA Trial Balance March 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 11,000	
Accounts Receivable	16,500	
Office Supplies	400	
Land	30,000	
Furniture	0	
Automobile	0	
Accounts Payable		\$ 3,800
Unearned Revenue		0
Merry, Capital		52,300
Merry, Withdrawals	0	
Service Revenue		8,200
Salaries Expense	5,600	
Rent Expense	800	
Total	<u>\$ 64,300</u>	<u>\$ 64,300</u>

During April, the business completed the following transactions:

-
- | | |
|--------|--|
| Apr. 4 | Collected \$2,500 cash from a client on account. |
| 8 | Performed tax services for a client on account, \$5,400. |
| 13 | Paid \$3,000 on account. |
| 14 | Purchased furniture on account, \$3,600. |
| 15 | Merry contributed his personal automobile to the business in exchange for capital. The automobile had a market value of \$9,500. |
| 18 | Purchased office supplies on account, \$900. |
| 19 | Received \$2,700 for tax services performed on April 8. |
| 20 | Merry withdrew cash of \$6,500. |
| 21 | Received \$5,700 cash for consulting work completed. |
| 24 | Received \$2,400 cash for accounting services to be completed next month. |
| 27 | Paid office rent, \$600. |
| 28 | Paid employee salary, \$1,700. |
-

Requirements

1. Record the April transactions in the journal. Use the following accounts: Cash; Accounts Receivable; Office Supplies; Land; Furniture; Automobile; Accounts Payable; Unearned Revenue; Merry, Capital; Merry, Withdrawals; Service Revenue; Salaries Expense; and Rent Expense. Include an explanation for each entry.
2. Open the four-column ledger accounts listed in the trial balance, together with their balances as of March 31. Use the following account numbers: Cash, 11; Accounts Receivable, 12; Office Supplies, 13; Land, 14; Furniture, 15; Automobile, 16; Accounts Payable, 21; Unearned Revenue, 22; Merry, Capital, 31; Merry, Withdrawals, 33; Service Revenue, 41; Salaries Expense, 51; and Rent Expense, 52.
3. Post the journal entries to four-column accounts in the ledger, using dates, account numbers, journal references, and posting references. Assume the journal entries were recorded on page 5 of the journal.
4. Prepare the trial balance of Shawn Merry, CPA, at April 30, 2018.

SOLUTION

Requirement 1

Date	Accounts and Explanation	Post. Ref.	Debit	Credit
Apr. 4	Cash	11	2,500	
	Accounts Receivable	12		2,500
	<i>Received cash from client on account.</i>			
8	Accounts Receivable	12	5,400	
	Service Revenue	41		5,400
	<i>Performed tax services for client on account.</i>			
13	Accounts Payable	21	3,000	
	Cash	11		3,000
	<i>Paid cash on account.</i>			

P2-32A, cont.

Apr. 14	Furniture	15	3,600	
	Accounts Payable	21		3,600
	<i>Purchased furniture on account.</i>			
15	Automobile	16	9,500	
	Merry, Capital	31		9,500
	<i>Owner contribution.</i>			
18	Office Supplies	13	900	
	Accounts Payable	21		900
	<i>Purchased office supplies on account.</i>			
19	Cash	11	2,700	
	Accounts Receivable	12		2,700
	<i>Received cash on account.</i>			
20	Merry, Withdrawals	33	6,500	
	Cash	11		6,500
	<i>Owner withdrawal.</i>			
21	Cash	11	5,700	
	Service Revenue	41		5,700
	<i>Received cash for consulting work.</i>			
24	Cash	11	2,400	
	Unearned Revenue	22		2,400
	<i>Received payment for services to be performed next month.</i>			
27	Rent Expense	52	600	
	Cash	11		600
	<i>Paid office rent.</i>			
28	Salaries Expense	51	1,700	
	Cash	11		1,700
	<i>Paid employee salary.</i>			

P2-32A, cont.
Requirements 2 and 3

CASH

Account No. 11

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				11,000	
Apr. 4		J5	2,500		13,500	
Apr. 13		J5		3,000	10,500	
Apr. 19		J5	2,700		13,200	
Apr. 20		J5		6,500	6,700	
Apr. 21		J5	5,700		12,400	
Apr. 24		J5	2,400		14,800	
Apr. 27		J5		600	14,200	
Apr. 28		J5		1,700	12,500	

ACCOUNTS RECEIVABLE

Account No. 12

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				16,500	
Apr. 4		J5		2,500	14,000	
Apr. 8		J5	5,400		19,400	
Apr. 19		J5		2,700	16,700	

OFFICE SUPPLIES

Account No. 13

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				400	
Apr. 18		J5	900		1,300	

LAND

Account No. 14

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				30,000	

FURNITURE

Account No. 15

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 14		J5	3,600		3,600	

P2-32A, cont.**AUTOMOBILE**

Account No. 16

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 15		J5	9,500		9,500	

ACCOUNTS PAYABLE

Account No. 21

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance					3,800
Apr. 13		J5	3,000			800
Apr. 14		J5		3,600		4,400
Apr. 18		J5		900		5,300

UNEARNED REVENUE

Account No. 22

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 24		J5		2,400		2,400

MERRY, CAPITAL

Account No. 31

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance					52,300
Apr. 15		J5		9,500		61,800

MERRY, WITHDRAWALS

Account No. 33

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 20		J5	6,500		6,500	

SERVICE REVENUE

Account No. 41

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance					8,200
Apr. 8		J5		5,400		13,600
Apr. 21		J5		5,700		19,300

P2-32A, cont.**SALARIES EXPENSE**

Account No. 51

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				5,600	
Apr. 28		J5	1,700		7,300	

RENT EXPENSE

Account No. 52

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				800	
Apr. 27		J5	600		1,400	

Requirement 4

SHAWN MERRY, CPA Trial Balance April 30, 2018			
Acct. No.	Account Title	Balance	
		Debit	Credit
11	Cash	\$ 12,500	
12	Accounts Receivable	16,700	
13	Office Supplies	1,300	
14	Land	30,000	
15	Furniture	3,600	
16	Automobile	9,500	
21	Accounts Payable		\$ 5,300
22	Unearned Revenue		2,400
31	Merry, Capital		61,800
33	Merry, Withdrawals	6,500	
41	Service Revenue		19,300
51	Salaries Expense	7,300	
52	Rent Expense	1,400	
	Total	\$ 88,800	\$ 88,800

P2-33A Correcting errors in a trial balance

Learning Objective 4

Total Debits \$123,250

The trial balance of Beautiful Tots Child Care does not balance.

BEAUTIFUL TOTS CHILD CARE		
Trial Balance		
August 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 7,900	
Accounts Receivable	6,700	
Office Supplies	1,000	
Prepaid Insurance	300	
Equipment	91,500	
Accounts Payable		\$ 3,400
Notes Payable		45,000
Trumball, Capital		57,000
Trumball, Withdrawals	5,000	
Service Revenue		12,350
Salaries Expense	4,400	
Rent Expense	750	
Total	\$ 117,550	\$ 117,750

The following errors are detected:

- Cash is understated by \$1,500.
- A \$4,100 debit to Accounts Receivable was posted as a credit.
- A \$1,400 purchase of office supplies on account was neither journalized nor posted.
- Equipment was incorrectly transferred from the ledger as \$91,500. It should have been transferred as \$83,000.
- Salaries Expense is overstated by \$700.
- A \$300 cash payment for advertising expense was neither journalized nor posted.
- A \$200 owner's withdrawal of cash was incorrectly journalized as \$2,000.
- Service Revenue was understated by \$4,100.
- A 12-month insurance policy was posted as a \$1,900 credit to Prepaid Insurance. Cash was posted correctly.

Prepare the corrected trial balance as of August 31, 2018. Journal entries are not required.

SOLUTION

BEAUTIFUL TOTS CHILD CARE Trial Balance August 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 10,900	
Accounts Receivable	14,900	
Office Supplies	2,400	
Prepaid Insurance	4,100	
Equipment	83,000	
Accounts Payable		\$ 4,800
Notes Payable		45,000
Trumball, Capital		57,000
Trumball, Withdrawals	3,200	
Service Revenue		16,450
Salaries Expense	3,700	
Rent Expense	750	
Advertising Expense	300	
Total	\$ 123,250	\$ 123,250

Explanations:

- Increase Cash by \$1,500.
- Increase Accounts Receivable by \$8,200 ($\$4,100 \times 2$).
- Increase Office Supplies and Accounts Payable by \$1,400 each.
- Decrease Equipment by \$8,500 ($\$91,500 - \$83,000$).
- Decrease Salaries Expense by \$700.
- Advertising Expense should have a debit balance of \$300. Decrease Cash by \$300.
- Trumball, Withdrawals should decrease by \$1,800 and Cash should increase by \$1,800 ($\$2,000 - \200).
- Service Revenue should increase by \$4,100.
- Prepaid Insurance should increase by \$3,800 ($\$1,900 \times 2$).

P2-34A Preparing financial statements from the trial balance and calculating the debt ratio

Learning Objectives 4, 5

2. Ending Capital \$29,788

The trial balance as of July 31, 2018, for Sara Simon, Registered Dietician, is presented below:

SARA SIMON, REGISTERED DIETICIAN		
Trial Balance July 31, 2018		
	Balance	
Account Title	Debit	Credit
Cash	\$ 38,000	
Accounts Receivable	9,000	
Office Supplies	2,300	
Prepaid Insurance	2,400	
Equipment	16,000	
Accounts Payable		\$ 3,000
Unearned Revenue		3,912
Notes Payable		31,000
Simon, Capital		18,000
Simon, Withdrawals	2,800	
Service Revenue		17,888
Salaries Expense	1,700	
Rent Expense	1,100	
Utilities Expense	500	
Total	<u>\$ 73,800</u>	<u>\$ 73,800</u>

Requirements

1. Prepare the income statement for the month ended July 31, 2018.
2. Prepare the statement of owner's equity for the month ended July 31, 2018. The beginning balance of capital was \$0 and the owner contributed \$18,000 during the month.
3. Prepare the balance sheet as of July 31, 2018.
4. Calculate the debt ratio as of July 31, 2018.

SOLUTION

Requirement 1

SARA SIMON, REGISTERED DIETICIAN		
Income Statement		
Month Ended July 31, 2018		
Revenues:		
Service Revenue		\$ 17,888
Expenses:		
Salaries Expense	\$ 1,700	
Rent Expense	1,100	
Utilities Expense	500	
Total Expenses		3,300
Net Income		
		\$ 14,588

Requirement 2

SARA SIMON, REGISTERED DIETICIAN	
Statement of Owner's Equity	
Month Ended July 31, 2018	
Simon, Capital, July 1, 2018	\$ 0
Owner contribution	18,000
Net income for the month	14,588
	32,588
Owner withdrawals	(2,800)
Simon, Capital, July 31, 2018	
	\$ 29,788

P2-34A, cont.
Requirements 3

SARA SIMON, REGISTERED DIETICIAN
 Balance Sheet
 July 31, 2018

Assets		Liabilities	
Cash	\$ 38,000	Accounts Payable	\$ 3,000
Accounts Receivable	9,000	Unearned Revenue	3,912
Office Supplies	2,300	Notes Payable	31,000
Prepaid Insurance	2,400	Total Liabilities	37,912
Equipment	16,000		
		Owner's Equity	
		Simon, Capital	29,788
Total Assets	<u>\$ 67,700</u>	Total Liabilities and Owner's Equity	<u>\$ 67,700</u>

Requirement 4

Debt ratio = Total liabilities / Total assets = \$37,912 / \$67,700 = 0.56 = 56%

Problems (Group B)

P2-35B Journalizing transactions, posting journal entries to T-accounts, and preparing a trial balance

Learning Objectives 3, 4

2. Cash Balance \$69,680

Victor Yang practices medicine under the business title Victor Yang, M.D. During March, the medical practice completed the following transactions:

Mar. 1	Yang contributed \$62,000 cash to the business in exchange for capital.
5	Paid monthly rent on medical equipment, \$570.
9	Paid \$14,000 cash to purchase land to be used in operations.
10	Purchased office supplies on account, \$1,500.
19	Borrowed \$27,000 from the bank for business use.
22	Paid \$1,400 on account.
28	The business received a bill for advertising in the daily newspaper to be paid in April, \$220.
31	Revenues earned during the month included \$6,700 cash and \$5,800 on account.
31	Paid employees' salaries \$2,100, office rent \$1,500, and utilities \$350. Record as a compound entry.
31	The business received \$1,000 for medical screening services to be performed next month.
31	Yang withdrew cash of \$7,100

The business uses the following accounts: Cash; Accounts Receivable; Office Supplies; Land; Accounts Payable; Advertising Payable; Unearned Revenue; Notes Payable; Yang, Capital; Yang, Withdrawals; Service Revenue; Salaries Expense; Rent Expense; Utilities Expense; and Advertising Expense.

Requirements

1. Journalize each transaction. Explanations are not required.
2. Post the journal entries to the T-accounts, using transaction dates as posting references in the ledger accounts. Label the balance of each account *Bal.*
3. Prepare the trial balance of Victor Yang, M.D., as of March 31, 2018.

SOLUTION

Requirement 1

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Mar. 1	Cash Yang, Capital		62,000	62,000
5	Rent Expense Cash		570	570
9	Land Cash		14,000	14,000
10	Office Supplies Accounts Payable		1,500	1,500
19	Cash Notes Payable		27,000	27,000
22	Accounts Payable Cash		1,400	1,400
28	Advertising Expense Advertising Payable		220	220
31	Cash Accounts Receivable Service Revenue		6,700 5,800	12,500
31	Salaries Expense Rent Expense Utilities Expense Cash		2,100 1,500 350	3,950
31	Cash Unearned Revenue		1,000	1,000
31	Yang, Withdrawals Cash		7,100	7,100

P2-35B, cont.
Requirement 2

Cash			
Mar. 1	62,000	570	Mar. 5
Mar. 19	27,000	14,000	Mar. 9
Mar. 31	6,700	1,400	Mar. 22
Mar. 31	1,000	3,950	Mar. 31
		7,100	Mar. 31
Bal.	69,680		

Accounts Receivable		
Mar. 31	5,800	
Bal.	5,800	

Office Supplies		
Mar. 10	1,500	
Bal.	1,500	

Land		
Mar. 9	14,000	
Bal.	14,000	

Accounts Payable			
Mar. 22	1,400	1,500	Mar. 10
		100	Bal.

Advertising Payable		
	220	Mar. 28
	220	Bal.

Unearned Revenue		
	1,000	Mar. 31
	1,000	Bal.

Notes Payable		
	27,000	Mar. 19
	27,000	Bal.

Yang, Capital		
	62,000	Mar. 1
	62,000	Bal.

Yang, Withdrawals		
Mar. 31	7,100	
Bal.	7,100	

Service Revenue		
	12,500	Mar. 31
	12,500	Bal.

Salaries Expense		
Mar. 31	2,100	
Bal.	2,100	

Rent Expense		
Mar. 5	570	
Mar. 31	1,500	
Bal.	2,070	

Utilities Expense		
Mar. 31	350	
Bal.	350	

Advertising Expense		
Mar. 28	220	
Bal.	220	

P2-35B, cont.
Requirement 3

VICTOR YANG, MD Trial Balance March 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 69,680	
Accounts Receivable	5,800	
Office Supplies	1,500	
Land	14,000	
Accounts Payable		\$ 100
Advertising Payable		220
Unearned Revenue		1,000
Notes Payable		27,000
Yang, Capital		62,000
Yang, Withdrawals	7,100	
Service Revenue		12,500
Salaries Expense	2,100	
Rent Expense	2,070	
Utilities Expense	350	
Advertising Expense	220	
Total	\$ 102,820	\$ 102,820

P2-36B Journalizing transactions, posting journal entries to T-accounts, and preparing a trial balance

Learning Objectives 3, 4

4. Total Debits \$51,430

Beth Stewart started her practice as a design consultant on November 1, 2018. During the first month of operations, the business completed the following transactions:

Nov. 1	Received \$41,000 cash and gave capital to Stewart.
4	Purchased office supplies, \$1,200, and furniture, \$2,300, on account.
6	Performed services for a law firm and received \$2,100 cash.
7	Paid \$27,000 cash to acquire land to be used in operations.
10	Performed services for a hotel and received its promise to pay the \$800 within one week.
14	Paid for the furniture purchased on November 4 on account.
15	Paid assistant's semimonthly salary, \$1,470.
17	Received cash on account, \$500.
20	Prepared a design for a school on account, \$680.
25	Received \$1,900 cash for design services to be performed in December.
28	Received \$3,100 cash for consulting with Plummer & Gordon.
29	Paid \$840 cash for a 12-month insurance policy starting on December 1.
30	Paid assistant's semimonthly salary, \$1,470.
30	Paid monthly rent expense, \$650.
30	Received a bill for utilities, \$650. The bill will be paid next month.
30	Stewart withdrew cash of \$2,800.

Requirements

1. Record each transaction in the journal using the following account titles: Cash; Accounts Receivable; Office Supplies; Prepaid Insurance; Land; Furniture; Accounts Payable; Utilities Payable; Unearned Revenue; Stewart, Capital; Stewart, Withdrawals; Service Revenue; Salaries Expense; Rent Expense; and Utilities Expense. Explanations are not required.
2. Open a T-account for each of the accounts.
3. Post the journal entries to the T-accounts, using transaction dates as posting references in the ledger accounts. Label the balance of each account *Bal.*
4. Prepare the trial balance of Beth Stewart, Designer, as of November 30, 2018.

SOLUTION

Requirement 1

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Nov. 1	Cash Stewart, Capital		41,000	41,000
4	Office Supplies Furniture Accounts Payable		1,200 2,300	3,500
6	Cash Service Revenue		2,100	2,100
7	Land Cash		27,000	27,000
10	Accounts Receivable Service Revenue		800	800
14	Accounts Payable Cash		2,300	2,300
15	Salaries Expense Cash		1,470	1,470
17	Cash Accounts Receivable		500	500
20	Accounts Receivable Service Revenue		680	680
25	Cash Unearned Revenue		1,900	1,900
28	Cash Service Revenue		3,100	3,100
29	Prepaid Insurance Cash		840	840
30	Salaries Expense Cash		1,470	1,470
30	Rent Expense Cash		650	650

P2-36B, cont.

Nov. 30	Utilities Expense		650	
	Utilities Payable			650
30	Stewart, Withdrawals		2,800	
	Cash			2,800

Requirements 2 and 3

Cash			
Nov. 1	41,000	27,000	Nov. 7
Nov. 6	2,100	2,300	Nov. 14
Nov. 17	500	1,470	Nov. 15
Nov. 25	1,900	840	Nov. 29
Nov. 28	3,100	1,470	Nov. 30
		650	Nov. 30
		2,800	Nov. 30
Bal.	12,070		

Accounts Receivable			
Nov. 10	800	500	Nov. 17
Nov. 20	680		
Bal.	980		

Office Supplies		
Nov. 4	1,200	
Bal.	1,200	

Prepaid Insurance		
Nov. 29	840	
Bal.	840	

Land		
Nov. 7	27,000	
Bal.	27,000	

Furniture		
Nov. 4	2,300	
Bal.	2,300	

Accounts Payable			
Nov. 14	2,300	3,500	Nov. 4
		1,200	Bal.

Utilities Payable		
	650	Nov. 30
	650	Bal.

Unearned Revenue		
	1,900	Nov. 25
	1,900	Bal.

Stewart, Capital		
	41,000	Nov. 1
	41,000	Bal.

Stewart, Withdrawals		
Nov. 30	2,800	
Bal.	2,800	

Service Revenue		
	2,100	Nov. 6
	800	Nov. 10
	680	Nov. 20
	3,100	Nov. 28
	6,680	Bal.

Salaries Expense		
Nov. 15	1,470	
Nov. 30	1,470	
Bal.	2,940	

P2-36B, cont.

Rent Expense		
Nov. 30	650	
Bal.	650	

Utilities Expense		
Nov. 30	650	
Bal.	650	

Requirement 4

BETH STEWART, DESIGNER Trial Balance November 30, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 12,070	
Accounts Receivable	980	
Office Supplies	1,200	
Prepaid Insurance	840	
Land	27,000	
Furniture	2,300	
Accounts Payable		\$ 1,200
Utilities Payable		650
Unearned Revenue		1,900
Stewart, Capital		41,000
Stewart, Withdrawals	2,800	
Service Revenue		6,680
Salaries Expense	2,940	
Rent Expense	650	
Utilities Expense	650	
Total	\$ 51,430	\$ 51,430

P2-37B Journalizing transactions, posting journal entries to four-column accounts, and preparing a trial balance

Learning Objectives 3, 4

3. Service Revenue Balance \$6,800

Theodore McMahon opened a law office on April 1, 2018. During the first month of operations, the business completed the following transactions:

Apr. 1	McMahon contributed \$70,000 cash to the business, Theodore McMahon, Attorney. The business issued gave capital to McMahon.
3	Purchased office supplies, \$1,100, and furniture, \$1,300, on account.
4	Performed legal services for a client and received \$2,000 cash.
7	Purchased a building with a market value of \$150,000, and land with a market value of \$30,000. The business paid \$40,000 cash and signed a note payable to the bank for the remaining amount.
11	Prepared legal documents for a client on account, \$400.
15	Paid assistant's semimonthly salary, \$1,200.
16	Paid for the office supplies purchased on April 3 on account.
18	Received \$2,700 cash for helping a client sell real estate.
19	Defended a client in court and billed the client for \$1,700.
25	Received a bill for utilities, \$650. The bill will be paid next month.
28	Received cash on account, \$1,100.
29	Paid \$3,600 cash for a 12-month insurance policy starting on May 1.
29	Paid assistant's semimonthly salary, \$1,200.
30	Paid monthly rent expense, \$2,100.
30	McMahon withdrew cash of \$3,200.

Requirements

1. Record each transaction in the journal, using the following account titles: Cash; Accounts Receivable; Office Supplies; Prepaid Insurance; Land; Building; Furniture; Accounts Payable; Utilities Payable; Notes Payable; McMahon, Capital; McMahon, Withdrawals; Service Revenue; Salaries Expense; Rent Expense; and Utilities Expense. Explanations are not required.
2. Open the following four-column accounts including account numbers: Cash, 101; Accounts Receivable, 111; Office Supplies, 121; Prepaid Insurance, 131; Land, 141; Building, 151; Furniture, 161; Accounts Payable, 201; Utilities Payable, 211; Notes Payable, 221; McMahon, Capital, 301; McMahon, Withdrawals, 311; Service Revenue, 411; Salaries Expense, 511; Rent Expense, 521; and Utilities Expense, 531.
3. Post the journal entries to four-column accounts in the ledger, using dates, account numbers, journal references, and posting references. Assume the journal entries were recorded on page 1 of the journal.
4. Prepare the trial balance of Theodore McMahon, Attorney, at April 30, 2018.

SOLUTION

Requirement 1

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Apr. 1	Cash	101	70,000	
	McMahon, Capital	301		70,000
3	Office Supplies	121	1,100	
	Furniture	161	1,300	
	Accounts Payable	201		2,400
4	Cash	101	2,000	
	Service Revenue	411		2,000
7	Building	151	150,000	
	Land	141	30,000	
	Cash	101		40,000
	Notes Payable	221		140,000
11	Accounts Receivable	111	400	
	Service Revenue	411		400
15	Salaries Expense	511	1,200	
	Cash	101		1,200
16	Accounts Payable	201	1,100	
	Cash	101		1,100
18	Cash	101	2,700	
	Service Revenue	411		2,700
19	Accounts Receivable	111	1,700	
	Service Revenue	411		1,700
25	Utilities Expense	531	650	
	Utilities Payable	211		650
28	Cash	101	1,100	
	Accounts Receivable	111		1,100
29	Prepaid Insurance	131	3,600	
	Cash	101		3,600
29	Salaries Expense	511	1,200	
	Cash	101		1,200

P2-37B, cont.

Apr. 30	Rent Expense	521	2,100	
	Cash	101		2,100
30	McMahon, Withdrawals	311	3,200	
	Cash	101		3,200

Requirements 2 and 3**CASH**

Account No. 101

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 1		J1	70,000		70,000	
Apr. 4		J1	2,000		72,000	
Apr. 7		J1		40,000	32,000	
Apr. 15		J1		1,200	30,800	
Apr. 16		J1		1,100	29,700	
Apr. 18		J1	2,700		32,400	
Apr. 28		J1	1,100		33,500	
Apr. 29		J1		3,600	29,900	
Apr. 29		J1		1,200	28,700	
Apr. 30		J1		2,100	26,600	
Apr. 30		J1		3,200	23,400	

ACCOUNTS RECEIVABLE

Account No. 111

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 11		J1	400		400	
Apr. 19		J1	1,700		2,100	
Apr. 28		J1		1,100	1,000	

OFFICE SUPPLIES

Account No. 121

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 3		J1	1,100		1,100	

PREPAID INSURANCE

Account No. 131

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 29		J1	3,600		3,600	

P2-37B, cont.**LAND**

Account No. 141

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 7		J1	30,000		30,000	

BUILDING

Account No. 151

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 7		J1	150,000		150,000	

FURNITURE

Account No. 161

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 3		J1	1,300		1,300	

ACCOUNTS PAYABLE

Account No. 201

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 3		J1		2,400		2,400
Apr. 16		J1	1,100			1,300

UTILITIES PAYABLE

Account No. 211

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 25		J1		650		650

NOTES PAYABLE

Account No. 221

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 7		J1		140,000		140,000

MCMAHON, CAPITAL

Account No. 301

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 1		J1		70,000		70,000

P2-37B, cont.**MCMAHON, WITHDRAWALS**

Account No. 311

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 30		J1	3,200		3,200	

SERVICE REVENUE

Account No. 411

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 4		J1		2,000		2,000
Apr. 11		J1		400		2,400
Apr. 18		J1		2,700		5,100
Apr. 19		J1		1,700		6,800

SALARIES EXPENSE

Account No. 511

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 15		J1	1,200		1,200	
Apr. 29		J1	1,200		2,400	

RENT EXPENSE

Account No. 521

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 30		J1	2,100		2,100	

UTILITIES EXPENSE

Account No. 531

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 25		J1	650		650	

P2-37B, cont.
Requirement 4

THEODORE MCMAHON, ATTORNEY Trial Balance April 30, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 23,400	
Accounts Receivable	1,000	
Office Supplies	1,100	
Prepaid Insurance	3,600	
Land	30,000	
Building	150,000	
Furniture	1,300	
Accounts Payable		\$ 1,300
Utilities Payable		650
Notes Payable		140,000
McMahon, Capital		70,000
McMahon, Withdrawals	3,200	
Service Revenue		6,800
Salaries Expense	2,400	
Rent Expense	2,100	
Utilities Expense	650	
Total	\$ 218,750	\$ 218,750

P2-38B Journalizing transactions, posting journal entries to four-column accounts, and preparing a trial balance

Learning Objectives 3, 4

3. Cash Balance \$20,250

The trial balance of John Menning, CPA, is dated March 31, 2018:

JOHN MENNING, CPA Trial Balance March 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 17,000	
Accounts Receivable	10,500	
Office Supplies	1,200	
Land	29,000	
Furniture	0	
Automobile	0	
Accounts Payable		\$ 3,800
Unearned Revenue		0
Menning, Capital		46,200
Menning, Withdrawals	0	
Service Revenue		11,200
Salaries Expense	2,500	
Rent Expense	1,000	
Total	<u>\$ 61,200</u>	<u>\$ 61,200</u>

During April, the business completed the following transactions:

-
- | | |
|--------|---|
| Apr. 4 | Collected \$6,000 cash from a client on account. |
| 8 | Performed tax services for a client on account, \$5,500. |
| 13 | Paid \$3,300 on account. |
| 14 | Purchased furniture on account, \$4,000. |
| 15 | Menning contributed his personal automobile to the business in exchange for capital. The automobile had a market value of \$11,500. |
| 18 | Purchased office supplies on account, \$1,600. |
| 19 | Received \$2,750 for tax services performed on April 8. |
| 20 | Menning withdrew cash of \$7,500. |
| 21 | Received \$4,900 cash for consulting work completed. |
| 24 | Received \$2,500 cash for accounting services to be completed next month. |
| 27 | Paid office rent, \$900. |
| 28 | Paid employee salary, \$1,200. |
-

Requirements

1. Record the April transactions in the journal using the following accounts: Cash; Accounts Receivable; Office Supplies; Land; Furniture; Automobile; Accounts Payable; Unearned Revenue; Menning, Capital; Menning, Withdrawals; Service Revenue; Salaries Expense; and Rent Expense. Include an explanation for each entry.
2. Open the four-column ledger accounts listed in the trial balance, together with their balances as of March 31. Use the following account numbers: Cash, 11; Accounts Receivable, 12; Office Supplies, 13; Land, 14; Furniture, 15; Automobile, 16; Accounts Payable, 21; Unearned Revenue, 22; Menning, Capital, 31; Menning, Withdrawals, 33; Service Revenue, 41; Salaries Expense, 51; and Rent Expense, 52.
3. Post the journal entries to four-column accounts in the ledger, using dates, account numbers, journal references, and posting references. Assume the journal entries were recorded on page 5 of the journal.
4. Prepare the trial balance of John Menning, CPA, at April 30, 2018.

SOLUTION

Requirement 1

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Apr. 4	Cash Accounts Receivable <i>Received cash from client on account.</i>	11 12	6,000	6,000
8	Accounts Receivable Service Revenue <i>Performed tax services for client on account.</i>	12 41	5,500	5,500
13	Accounts Payable Cash <i>Paid cash on account.</i>	21 11	3,300	3,300
14	Furniture Accounts Payable <i>Purchased furniture on account.</i>	15 21	4,000	4,000
15	Automobile Menning, Capital <i>Owner contribution.</i>	16 31	11,500	11,500
18	Office Supplies Accounts Payable <i>Purchased office supplies on account.</i>	13 21	1,600	1,600
19	Cash Accounts Receivable <i>Received cash on account.</i>	11 12	2,750	2,750
20	Menning, Withdrawals Cash <i>Owner withdrawal.</i>	33 11	7,500	7,500
21	Cash Service Revenue <i>Received cash for consulting work.</i>	11 41	4,900	4,900
24	Cash Unearned Revenue <i>Received payment for services to be performed next month.</i>	11 22	2,500	2,500

P2-38B, cont.

Apr. 27	Rent Expense Cash <i>Paid office rent.</i>	52 11	900	900
28	Salaries Expense Cash <i>Paid employee salary.</i>	51 11	1,200	1,200

Requirements 2 and 3**CASH**

Account No. 11

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				17,000	
Apr. 4		J5	6,000		23,000	
Apr. 13		J5		3,300	19,700	
Apr. 19		J5	2,750		22,450	
Apr. 20		J5		7,500	14,950	
Apr. 21		J5	4,900		19,850	
Apr. 24		J5	2,500		22,350	
Apr. 27		J5		900	21,450	
Apr. 28		J5		1,200	20,250	

ACCOUNTS RECEIVABLE

Account No. 12

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				10,500	
Apr. 4		J5		6,000	4,500	
Apr. 8		J5	5,500		10,000	
Apr. 19		J5		2,750	7,250	

OFFICE SUPPLIES

Account No. 13

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				1,200	
Apr. 18		J5	1,600		2,800	

P2-38B, cont.**LAND**

Account No. 14

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				29,000	

FURNITURE

Account No. 15

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 14		J5	4,000		4,000	

AUTOMOBILE

Account No. 16

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 15		J5	11,500		11,500	

ACCOUNTS PAYABLE

Account No. 21

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance					3,800
Apr. 13		J5	3,300			500
Apr. 14		J5		4,000		4,500
Apr. 18		J5		1,600		6,100

UNEARNED REVENUE

Account No. 22

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 24		J5		2,500		2,500

MENNING, CAPITAL

Account No. 31

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance					46,200
Apr. 15		J5		11,500		57,700

MENNING, WITHDRAWALS

Account No. 33

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 20		J5	7,500		7,500	

P2-38B, cont.**SERVICE REVENUE**

Account No. 41

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance					11,200
Apr. 8		J5		5,500		16,700
Apr. 21		J5		4,900		21,600

SALARIES EXPENSE

Account No. 51

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				2,500	
Apr. 28		J5	1,200		3,700	

RENT EXPENSE

Account No. 52

Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				1,000	
Apr. 27		J5	900		1,900	

Requirement 4

JOHN MENNING, CPA Trial Balance April 30, 2018			
Acct. No.	Account Title	Balance	
		Debit	Credit
11	Cash	\$ 20,250	
12	Accounts Receivable	7,250	
13	Office Supplies	2,800	
14	Land	29,000	
15	Furniture	4,000	
16	Automobile	11,500	
21	Accounts Payable		\$ 6,100
22	Unearned Revenue		2,500
31	Menning, Capital		57,700
33	Menning, Withdrawals	7,500	
41	Service Revenue		21,600
51	Salaries Expense	3,700	
52	Rent Expense	1,900	
	Total	\$ 87,900	\$ 87,900

P2-39B Correcting errors in a trial balance

Learning Objective 4

Total Debits \$123,300

LOVE TO LEARN CHILD CARE Trial Balance May 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 8,060	
Accounts Receivable	8,700	
Office Supplies	1,000	
Prepaid Insurance	1,700	
Equipment	90,400	
Accounts Payable		\$ 3,000
Notes Payable		45,000
Ebony, Capital		54,000
Ebony, Withdrawals	3,740	
Service Revenue		16,300
Salaries Expense	4,350	
Rent Expense	400	
Total	<u>\$ 118,350</u>	<u>\$ 118,300</u>

The trial balance of Love to Learn Child Care does not balance.

The following errors are detected:

- a. Cash is understated by \$1,800.
- b. A \$3,800 debit to Accounts Receivable was posted as a credit.
- c. A \$1,000 purchase of office supplies on account was neither journalized nor posted.
- d. Equipment was incorrectly transferred from the ledger as \$90,400. It should have been transferred as \$82,500.
- e. Salaries Expense is overstated by \$350.
- f. A \$300 cash payment for advertising expense was neither journalized nor posted.
- g. A \$160 owner's withdrawal of cash was incorrectly journalized as \$1,600.
- h. Service Revenue was understated by \$4,000.
- i. A 12-month insurance policy was posted as a \$1,400 credit to Prepaid Insurance. Cash was posted correctly.

Prepare the corrected trial balance as of May 31, 2018. Journal entries are not required.

SOLUTION

LOVE TO LEARN CHILD CARE Trial Balance May 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 11,000	
Accounts Receivable	16,300	
Office Supplies	2,000	
Prepaid Insurance	4,500	
Equipment	82,500	
Accounts Payable		\$ 4,000
Notes Payable		45,000
Ebony, Capital		54,000
Ebony, Withdrawals	2,300	
Service Revenue		20,300
Salaries Expense	4,000	
Rent Expense	400	
Advertising Expense	300	
Total	\$ 123,300	\$ 123,300

Explanations:

- Increase Cash by \$1,800.
- Increase Accounts Receivable by \$7,600 ($\$3,800 \times 2$).
- Increase Office Supplies and Accounts Payable by \$1,000 each.
- Decrease Equipment by \$7,900 ($\$90,400 - \$82,500$).
- Decrease Salaries Expense by \$350.
- Advertising Expense should have a debit balance of \$300. Decrease Cash by \$300.
- Ebony, Withdrawals should decrease by \$1,440 and Cash should increase by \$1,440 ($\$1,600 - \160).
- Service Revenue should increase by \$4,000.
- Prepaid Insurance should increase by \$2,800 ($\$1,400 \times 2$).

P2-40B Preparing financial statements from the trial balance and calculating the debt ratio

Learning Objectives 4, 5

1. Net Income \$13,404

The trial balance as of July 31, 2018, for Sheila Sanchez, Registered Dietician, is presented below:

SHEILA SANCHEZ, REGISTERED DIETICIAN Trial Balance July 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 32,000	
Accounts Receivable	9,100	
Office Supplies	1,400	
Prepaid Insurance	2,600	
Equipment	24,000	
Accounts Payable		\$ 3,400
Unearned Revenue		1,296
Notes Payable		34,000
Sanchez, Capital		20,000
Sanchez, Withdrawals	3,000	
Service Revenue		15,804
Salaries Expense	1,600	
Rent Expense	700	
Utilities Expense	100	
Total	<u>\$ 74,500</u>	<u>\$ 74,500</u>

Requirements

1. Prepare the income statement for the month ended July 31, 2018.
2. Prepare the statement of owner's equity for the month ended July 31, 2018. The beginning balance of owner's equity was \$0 and the owner contributed \$20,000 during the month.
3. Prepare the balance sheet as of July 31, 2018.
4. Calculate the debt ratio as of July 31, 2018.

SOLUTION

Requirement 1

SHEILA SANCHEZ, REGISTERED DIETICIAN

Income Statement

Month Ended July 31, 2018

Revenues:

Service Revenue	\$ 15,804
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Expenses:

Salaries Expense	\$ 1,600
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Rent Expense	700
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Utilities Expense	100
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Total Expenses	2,400
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Net Income	<u>\$ 13,404</u>
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Requirement 2

SHEILA SANCHEZ, REGISTERED DIETICIAN

Statement of Owner's Equity

Month Ended July 31, 2018

Sanchez, Capital, July 1, 2018	\$ 0
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Owner contribution	20,000
--------------------	--------

Net income for the month	13,404
--------------------------	--------

	<u>33,404</u>
--	---------------

Owner withdrawals	(3,000)
-------------------	---------

Sanchez, Capital, July 31, 2018	<u><u>\$ 30,404</u></u>
---------------------------------	-------------------------

P2-40B, cont.
Requirement 3

SHEILA SANCHEZ, REGISTERED DIETICIAN

Balance Sheet

July 31, 2018

Assets		Liabilities	
Cash	\$ 32,000	Accounts Payable	\$ 3,400
Accounts Receivable	9,100	Unearned Revenue	1,296
Office Supplies	1,400	Notes Payable	34,000
Prepaid Insurance	2,600	Total Liabilities	\$ 38,696
Equipment	24,000		
		Owner's Equity	
		Sanchez, Capital	30,404
Total Assets	<u>\$ 69,100</u>	Total Liabilities and Owner's Equity	<u>\$ 69,100</u>

Requirement 4

Debt ratio = Total liabilities / Total assets = \$38,696 / \$69,100 = 0.56 = 56%

Using Excel

P2-41 Using Excel to journalize and post transactions, and to create financial statements

Download an Excel template for this problem online in MyAccountingLab or at <http://www.pearsonhighered.com/Horngren>.

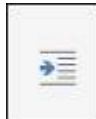
Redmond Company started operations on April 1, 2018. Seventeen transactions occurred during April. Financial statements are prepared at the end of the month.

Requirements

1. Use Excel to record the transactions for April. Use the blue shaded areas for inputs.
 - a. To record the account name in the journal, click in the Account and Explanation column. A drop down arrow will appear to the right. Click the arrow and select an account from the chart of accounts. Use the explanation to help you with the entry.

Date	Account and Explanation	DR	CR
Jul 31			
	Cash		
	Accounts Receivable		
	Office Supplies		
	Prepaid Rent		
	Land		
	Building		
	Furniture		
31	Accounts Payable		

- b. Indent the account name of the account to be credited using the indent button on the Home tab. Click the Increase Indent button twice.



2. Post the transactions to T-Accounts. Use the blue shaded areas for inputs.
 - a. For each transaction, post the amount on the correct side of the T-Account. The T-account totals will be calculated automatically.
 - b. Total debits should equal total credits. The debit-credit balance check appears in the top right-hand corner of the T-Account worksheet.
3. Prepare the income statement, statement of owner's equity, and balance sheet for the company using the trial balance. Each financial statement appears on a separate worksheet tab.
 - a. Fill in the blue shaded areas using a formula that references the account balances in the T-Accounts at the end of the month.
 - b. Format the cells requiring dollar signs. Number formatting is located on the Home tab.



- c. Format the cells requiring a single underline and cells requiring double underlines. The borders tool is found on the Home tab. It looks like a window pane. Click the down arrow for different border selections.



SOLUTION

The student templates for *Using Excel* are available online in MyAccountingLab in the Multimedia Library or at <http://www.pearsonhighered.com/Horngren>. The solution to *Using Excel* is located in MyAccountingLab in the Instructor Resource Center or at <http://www.pearsonhighered.com/Horngren>.

Continuing Problem

P2-42 Journalizing transactions, posting to T-accounts, and preparing a trial balance

Problem P2-42 continues with the company introduced in Chapter 1, Canyon Canoe Company. Here you will account for Canyon Canoe Company's transactions as it is actually done in practice. Begin by reviewing the transactions from Chapter 1. The transactions have been reprinted below.

Nov. 1	Received \$16,000 cash to begin the company and gave capital to Amber Wilson.
2	Signed a lease for a building and paid \$1,200 for the first month's rent.
3	Purchased canoes for \$4,800 on account.
4	Purchased office supplies on account, \$750.
7	Earned \$1,400 cash for rental of canoes.
13	Paid \$1,500 cash for wages.
15	Wilson withdrew \$50 cash from the business.
16	Received a bill for \$150 for utilities. (Use separate payable account.)
20	Received a bill for \$175 for cell phone expenses. (Use separate payable account.)
22	Rented canoes to Early Start Daycare on account, \$3,000.
26	Paid \$1,000 on account related to the November 3 purchase.
28	Received \$750 from Early Start Daycare for canoe rental on November 22.
30	Wilson withdrew cash of \$100 from the business.

In addition, Canyon Canoe Company completed the following transactions for December.

Dec. 1	Amber contributed land on the river (worth \$85,000) and a small building to use as a rental office (worth \$35,000) in exchange for capital.
1	Prepaid \$3,000 for three months' rent on the warehouse where the company stores the canoes.
2	Purchased canoes signing a note payable for \$7,200
4	Purchased office supplies on account for \$500.
9	Received \$4,500 cash for canoe rentals to customers.
15	Rented canoes to customers for \$3,500, but will be paid next month.
16	Received a \$750 deposit from a canoe rental group that will use the canoes next month.
18	Paid the utilities and telephone bills from last month.
19	Paid various accounts payable, \$2,000.
20	Received bills for the telephone (\$325) and utilities (\$295) which will be paid later.
31	Paid wages of \$1,800.
31	Wilson withdrew cash of \$300 from the business.

Requirements

1. Journalize the transactions for both November and December, using the following accounts: Cash; Accounts Receivable; Office Supplies; Prepaid Rent; Land; Building; Canoes; Accounts Payable; Utilities Payable; Telephone Payable; Unearned Revenue; Notes Payable; Wilson, Capital; Wilson, Withdrawals; Canoe Rental Revenue; Rent Expense; Utilities Expense; Wages Expense; and Telephone Expense. Explanations are not required. (Hint: For November transactions, refer to your answer for Chapter 1.)

2. Open a T-account for each of the accounts.
3. Post the journal entries to the T-accounts, and calculate account balances. Formal posting references are not required.
4. Prepare a trial balance as of December 31, 2018.
5. Prepare the income statement of Canyon Canoe Company for the two months ended December 31, 2018.
6. Prepare the statement of owner's equity for the two months ended December 31, 2018.
7. Prepare the balance sheet as of December 31, 2018.
8. Calculate the debt ratio for Canyon Canoe Company at December 31, 2018.

SOLUTION

Requirement 1

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Nov. 1	Cash Wilson, Capital		16,000	16,000
2	Rent Expense Cash		1,200	1,200
3	Canoes Accounts Payable		4,800	4,800
4	Office Supplies Accounts Payable		750	750
7	Cash Canoe Rental Revenue		1,400	1,400
13	Wages Expense Cash		1,500	1,500
15	Wilson, Withdrawals Cash		50	50
16	Utilities Expense Utilities Payable		150	150
20	Telephone Expense Telephone Payable		175	175
22	Accounts Receivable Canoe Rental Revenue		3,000	3,000
26	Accounts Payable Cash		1,000	1,000
28	Cash Accounts Receivable		750	750
30	Wilson, Withdrawals Cash		100	100

P2-42, cont.

Requirement 1, cont.

Dec. 1	Land	85,000	
	Building	35,000	
	Wilson, Capital		120,000
1	Prepaid Rent	3,000	
	Cash		3,000
2	Canoes	7,200	
	Notes Payable		7,200
4	Office Supplies	500	
	Accounts Payable		500
9	Cash	4,500	
	Canoe Rental Revenue		4,500
15	Accounts Receivable	3,500	
	Canoe Rental Revenue		3,500
16	Cash	750	
	Unearned Revenue		750
18	Utilities Payable	150	
	Telephone Payable	175	
	Cash		325
19	Accounts Payable	2,000	
	Cash		2,000
20	Telephone Expense	325	
	Utilities Expense	295	
	Telephone Payable		325
	Utilities Payable		295
31	Wages Expense	1,800	
	Cash		1,800
31	Wilson, Withdrawals	300	
	Cash		300

P2-42, cont.

Requirements 2 and 3

Cash			
Nov. 1	16,000	1,200	Nov. 2
Nov. 7	1,400	1,500	Nov. 13
Nov. 28	750	50	Nov. 15
Dec. 9	4,500	1,000	Nov. 26
Dec. 16	750	100	Nov. 30
		3,000	Dec. 1
		325	Dec. 18
		2,000	Dec. 19
		1,800	Dec. 31
		300	Dec. 31
Balance	12,125		

Accounts Payable			
Nov. 26	1,000	4,800	Nov. 3
Dec. 19	2,000	750	Nov. 4
		500	Dec. 4
		3,050	Balance

Accounts Receivable			
Nov. 22	3,000	750	Nov. 28
Dec. 15	3,500		
Balance	5,750		

Utilities Payable			
Dec. 18	150	150	Nov. 16
		295	Dec. 20
		295	Balance

Office Supplies		
Nov. 4	750	
Dec. 4	500	
Balance	1,250	

Telephone Payable			
Dec. 18	175	175	Nov. 20
		325	Dec. 20
		325	Balance

Prepaid Rent		
Dec. 1	3,000	
Balance	3,000	

Unearned Revenue		
	750	Dec. 16
	750	Balance

Land		
Dec. 1	85,000	
Balance	85,000	

Notes Payable		
	7,200	Dec. 2
	7,200	Balance

Building		
Dec. 1	35,000	
Balance	35,000	

Wilson, Capital		
	16,000	Nov. 1
	120,000	Dec. 1
	136,000	Balance

Canoes		
Nov. 3	4,800	
Dec. 2	7,200	
Balance	12,000	

Wilson, Withdrawals		
Nov. 15	50	
Nov. 30	100	
Dec. 31	300	
Balance	450	

P2-42, cont.

Requirements 2 and 3, cont.

Canoe Rental Revenue		
	1,400	Nov. 7
	3,000	Nov. 22
	4,500	Dec. 9
	3,500	Dec. 15
	12,400	Balance

Rent Expense		
Nov. 2	1,200	
Balance	1,200	

Wages Expense		
Nov. 13	1,500	
Dec. 31	1,800	
Balance	3,300	

Utilities Expense		
Nov. 16	150	
Dec. 20	295	
Balance	445	

Telephone Expense		
Nov. 20	175	
Dec. 20	325	
Balance	500	

P2-42, cont.**Requirement 4**

CANYON CANOE COMPANY		
Trial Balance		
December 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 12,125	
Accounts Receivable	5,750	
Office Supplies	1,250	
Prepaid Rent	3,000	
Land	85,000	
Building	35,000	
Canoes	12,000	
Accounts Payable		\$ 3,050
Utilities Payable		295
Telephone Payable		325
Unearned Revenue		750
Notes Payable		7,200
Wilson, Capital		136,000
Wilson, Withdrawals	450	
Canoe Rental Revenue		12,400
Rent Expense	1,200	
Wages Expense	3,300	
Utilities Expense	445	
Telephone Expense	500	
Total	\$ 160,020	\$ 160,020

Requirement 5

CANYON CANOE COMPANY		
Income Statement		
Two Months Ended December 31, 2018		
Revenues:		
Canoe Rental Revenue		\$ 12,400
Expenses:		
Wages Expense	\$ 3,300	
Rent Expense	1,200	
Telephone Expense	500	
Utilities Expense	445	
Total Expenses		<u>5,445</u>
Net Income		<u><u>\$ 6,955</u></u>

P2-42, cont.**Requirement 6**

CANYON CANOE COMPANY	
Statement of Owner's Equity	
Two Months Ended December 31, 2018	
Wilson, Capital, November 1, 2018	\$ 0
Owner contribution	136,000
Net income for the month	6,955
	<u>142,955</u>
Owner withdrawals	(450)
Wilson, Capital, December 31, 2018	<u>\$ 142,505</u>

Requirement 7

CANYON CANOE COMPANY					
Balance Sheet					
December 31, 2018					
Assets			Liabilities		
Cash	\$ 12,125		Accounts Payable	\$ 3,050	
Accounts Receivable	5,750		Utilities Payable	295	
Office Supplies	1,250		Telephone Payable	325	
Prepaid Rent	3,000		Unearned Revenue	750	
Land	85,000		Notes Payable	7,200	
Building	35,000		Total Liabilities	<u>11,620</u>	
Canoes	12,000				
			Owner's Equity		
			Wilson, Capital	142,505	
Total Assets	<u>\$ 154,125</u>		Total Liabilities and Owner's Equity	<u>\$ 154,125</u>	

Requirement 8

Debt ratio = Total liabilities / Total assets = \$11,620 / \$154,125 = 0.075* = 7.5%

* rounded

Practice Set

P2-43 Journalizing transactions, posting to T-accounts, and preparing a trial balance

Consider the following transactional data for the first month of operations for Crystal Clear Cleaning.

Nov. 1	Aaron Hideaway contributed \$15,000 and a truck, with a market value of \$3,000, to the business in exchange for capital.
2	The business paid \$4,000 to Pleasant Properties for November through February rent. (Debit Prepaid Rent)
3	Paid \$4,800 for a business insurance policy for the term November 1, 2018 through October 31, 2019. (Debit Prepaid Insurance)
4	Purchased cleaning supplies on account, \$320.
5	Purchased on account an industrial vacuum cleaner costing \$1,500. The invoice is payable November 25.
7	Paid \$3,900 for a computer and printer.
9	Performed cleaning services on account in the amount of \$4,700.
10	Received \$200 for services rendered on November 9.
15	Paid employees, \$400.
16	Received \$15,000 for a 1-year contract beginning November 16 for cleaning services to be provided. Contract begins November 16, 2018, and ends November 15, 2019. (Credit Unearned Revenue)
17	Provided cleaning services and received \$400 cash.
18	Received a utility bill for \$175 with a due date of December 4, 2018. (Use Accounts Payable)
20	Borrowed \$36,000 from bank with interest rate of 6% per year.
21	Received \$500 on account for services performed on November 9.
25	Paid \$750 on account for vacuum cleaner purchased on November 5.
29	Paid \$200 for advertising.
30	Hideaway withdrew cash of \$1,400 from the business.

Requirements

1. Journalize the transactions, using the following accounts: Cash; Accounts Receivable; Cleaning Supplies; Prepaid Rent; Prepaid Insurance; Equipment; Truck; Accounts Payable; Unearned Revenue; Notes Payable; Hideaway, Capital; Hideaway, Withdrawals; Service Revenue; Salaries Expense; Advertising Expense; and Utilities Expense. Explanations are not required.
2. Open a T-account for each account.
3. Post the journal entries to the T-accounts, and calculate account balances.
4. Prepare a trial balance as of November 30, 2018.

SOLUTION

Requirement 1

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Nov. 1	Cash Truck Hideaway, Capital		15,000 3,000	18,000
2	Prepaid Rent Cash		4,000	4,000
3	Prepaid Insurance Cash		4,800	4,800
4	Cleaning Supplies Accounts Payable		320	320
5	Equipment Accounts Payable		1,500	1,500
7	Equipment Cash		3,900	3,900
9	Accounts Receivable Service Revenue		4,700	4,700
10	Cash Accounts Receivable		200	200
15	Salaries Expense Cash		400	400
16	Cash Unearned Revenue		15,000	15,000
17	Cash Service Revenue		400	400
18	Utilities Expense Accounts Payable		175	175
20	Cash Notes Payable		36,000	36,000

P2-43, cont.

Nov. 21	Cash		500	
	Accounts Receivable			500
25	Accounts Payable		750	
	Cash			750
29	Advertising Expense		200	
	Cash			200
30	Hideaway, Withdrawals		1,400	
	Cash			1,400

Requirements 2 and 3

Cash			
Nov. 1	15,000	4,000	Nov. 2
Nov. 10	200	4,800	Nov. 3
Nov. 16	15,000	3,900	Nov. 7
Nov. 17	400	400	Nov. 15
Nov. 20	36,000	750	Nov. 25
Nov. 21	500	200	Nov. 29
		1,400	Nov. 30
Balance	51,650		

Accounts Payable			
Nov. 25	750	320	Nov. 4
		1,500	Nov. 5
		175	Nov. 18
		1,245	Balance

Accounts Receivable			
Nov. 9	4,700	200	Nov. 10
		500	Nov. 21
Balance	4,000		

Unearned Revenue		
	15,000	Nov. 16
	15,000	Balance

Cleaning Supplies		
Nov. 4	320	
Balance	320	

Notes Payable		
	36,000	Nov. 20
	36,000	Balance

Prepaid Rent		
Nov. 2	4,000	
Balance	4,000	

Hideaway, Capital		
	18,000	Nov. 1
	18,000	Balance

Prepaid Insurance		
Nov. 3	4,800	
Balance	4,800	

Hideaway, Withdrawals		
Nov. 30	1,400	
Balance	1,400	

P2-43, cont.
Requirements 2 and 3

Equipment		
Nov. 5	1,500	
Nov. 7	3,900	
Balance	5,400	

Truck		
Nov. 1	3,000	
Balance	3,000	

Service Revenue		
	4,700	Nov. 9
	400	Nov. 17
	5,100	Balance

Salaries Expense		
Nov. 15	400	
Balance	400	

Advertising Expense		
Nov. 29	200	
Balance	200	

Utilities Expense		
Nov. 18	175	
Balance	175	

P2-43, cont.
Requirement 4

CRYSTAL CLEAR CLEANING Trial Balance November 30, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 51,650	
Accounts Receivable	4,000	
Cleaning Supplies	320	
Prepaid Rent	4,000	
Prepaid Insurance	4,800	
Equipment	5,400	
Truck	3,000	
Accounts Payable		\$ 1,245
Unearned Revenue		15,000
Notes Payable		36,000
Hideaway, Capital		18,000
Hideaway, Withdrawals	1,400	
Service Revenue		5,100
Salaries Expense	400	
Advertising Expense	200	
Utilities Expense	175	
Total	\$ 75,345	\$ 75,345

Critical Thinking

Tying It All Together Case 2-1

Before you begin this assignment, review the *Tying It All Together* feature in the chapter.

Part of the **Fry's Electronics, Inc.**'s experience involves providing technical support to its customers. This includes in-home installations of electronics and also computer support at their retail store locations.

Requirements

1. Suppose Fry's Electronics, Inc. provides \$10,500 of computer support at the Dallas-Fort Worth store during the month of November. How would Fry's Electronics record this transaction? Assume all customers paid in cash. What financial statement(s) would this transaction affect?
2. Assume Fry's Electronics, Inc.'s Modesto, California, location received \$24,000 for an annual contract to provide computer support to the local city government. How would Fry's Electronics record this transaction? What financial statement(s) would this transaction affect?
3. What is the difference in how revenue is recorded in requirements 1 and 2? Clearly state when revenue is recorded in each requirement.

SOLUTION

Requirement 1

Fry's Electronics would record the following journal entry:

Date	Accounts and Explanation	Debit	Credit
	Cash	10,500	
	Service Revenue		10,500

The transaction would increase assets (Cash) and equity on the balance sheet and increase Service Revenue on the income statement.

Requirement 2

Fry's Electronics would record the following journal entry:

Date	Accounts and Explanation	Debit	Credit
	Cash	24,000	
	Unearned Revenue		24,000

The transaction would increase assets (Cash) and increase liabilities (Unearned Revenue) on the balance sheet.

Requirement 3

In requirement 1, Fry's Electronics recorded revenue because the company had received the cash from the customer and provided the service. In requirement 2, Fry's Electronics recorded a liability, Unearned Revenue, because even though cash was received, the service has not been provided. The revenue related to requirement 2 will not be recorded until the service has been provided.

Decision Case 2-1

Your friend, Dean McChesney, requested that you advise him on the effects that certain transactions will have on his business, A-Plus Travel Planners. Time is short, so you cannot journalize the transactions. Instead, you must analyze the transactions without a journal. McChesney will continue the business only if he can expect to earn a monthly net income of \$6,000. The business completed the following transactions during June:

- a. McChesney deposited \$10,000 cash in a business bank account to start the company. The company gave capital to McChesney.
- b. Paid \$300 cash for office supplies.
- c. Incurred advertising expense on account, \$700.
- d. Paid the following cash expenses: administrative assistant's salary, \$1,400; office rent, \$1,000.
- e. Earned service revenue on account, \$8,800.
- f. Collected cash from customers on account, \$1,200.

Requirements

1. Open the following T-accounts: Cash; Accounts Receivable; Office Supplies; Accounts Payable; McChesney, Capital; Service Revenue; Salaries Expense; Rent Expense; and Advertising Expense.
2. Post the transactions directly to the accounts without using a journal. Record each transaction by letter. Calculate account balances.
3. Prepare a trial balance at June 30, 2018.
4. Compute the amount of net income or net loss for this first month of operations. Would you recommend that McChesney continue in business?

SOLUTION

Requirements 1 and 2

Cash			
a.	10,000	300	b.
f.	1,200	2,400	d.
Bal.	8,500		

Accounts Receivable			
e.	8,800	1,200	f.
Bal.	7,600		

Office Supplies			
b.	300		
Bal.	300		

Accounts Payable			
	700	c.	
	700	Bal.	

McChesney, Capital			
	10,000	a.	
	10,000	Bal.	

Service Revenue			
	8,800	e.	
	8,800	Bal.	

Salaries Expense			
d.	1,400		
Bal.	1,400		

Rent Expense			
d.	1,000		
Bal.	1,000		

Advertising Expense			
c.	700		
Bal.	700		

Decision Case 2-1, cont.
Requirement 3

A-PLUS TRAVEL PLANNERS Trial Balance June 30, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 8,500	
Accounts Receivable	7,600	
Office Supplies	300	
Accounts Payable		\$ 700
McChesney, Capital		10,000
Service Revenue		8,800
Salaries Expense	1,400	
Rent Expense	1,000	
Advertising Expense	700	
Total	\$ 19,500	\$ 19,500

Requirement 4

Revenues:		
Service Revenue		\$ 8,800
Expenses:		
Salaries Expense	\$ 1,400	
Rent Expense	1,000	
Advertising Expense	700	
Total Expenses		<u>3,100</u>
Net Income		<u><u>\$ 5,700</u></u>

McChesney should discontinue the business because net income falls below the target amount.

Ethical Issue 2-1

Better Days Ahead, a charitable organization, has a standing agreement with First National Bank. The agreement allows Better Days Ahead to overdraw its cash balance at the bank when donations are running low. In the past, Better Days Ahead managed funds wisely and rarely used this privilege. Jacob Henson has recently become the president of Better Days Ahead. To expand operations, Henson acquired office equipment and spent large amounts on fundraising. During Henson's presidency, Better Days Ahead has maintained a negative bank balance of approximately \$10,000.

What is the ethical issue in this situation, if any? State why you approve or disapprove of Henson's management of Better Days Ahead's funds.

SOLUTION

The bank has a standing agreement with Better Days Ahead for overdrafts, so as long as transactions are compliant with terms of the agreement, there is no ethical issue. The exercise refers to Better Days Ahead managing funds "wisely." However, whether funds are managed wisely or not is a matter of prudent business management and not an ethical issue. Presumably if Better Days Ahead was exceeding the terms of the agreement, the bank would cancel the arrangement.

Some students may point out that the agreement was for times when donations were running low, whereas the reasons given for the overdraft are for expansion and fundraising. If this is interpreted to mean that Better Days Ahead is abusing the privilege according to the terms of the agreement, then there may be an ethical issue involved, but that is not made clear by the information given.

Students may approve of Henson's cash management if the arrangement is beneficial to Better Days Ahead, and thus helps them accomplish their charitable mission more effectively. Students may disapprove of Henson's cash management if (a) they feel it is "unwise" (poor business management), or (b) if they believe he is exceeding the terms of the agreement.

Fraud Case 2-1

Roy Akins was the accounting manager at Zelco, a tire manufacturer, and he played golf with Hugh Stallings, the CEO, who was something of a celebrity in the community. The CEO stood to earn a substantial bonus if Zelco increased net income by year-end. Roy was eager to get into Hugh's elite social circle; he boasted to Hugh that he knew some accounting tricks that could increase company income by simply revising a few journal entries for rental payments on storage units. At the end of the year, Roy changed the debits from "rent expense" to "prepaid rent" on several entries. Later, Hugh got his bonus, and the deviations were never discovered.

Requirements

1. How did the change in the journal entries affect the net income of the company at year-end?
2. Who gained and who lost as a result of these actions?

SOLUTION

Requirement 1

By changing an expense to an asset, the total expenses will decrease and net income will increase.

Requirement 2

The CEO gained by earning a bonus, and the accounting manager may have gained by getting favorable treatment from the CEO. The company lost, because the company paid out the bonus under fraudulent conditions.

Financial Statement Case 2-1

Refer to <http://www.pearsonhighered.com/Horngren> to view a link to **Target Corporation's** Fiscal 2015 Annual Report.

Requirements

1. Calculate the debt ratio for Target Corporation as of January 30, 2016.
2. How did the debt ratio for Target Corporation compare to the debt ratio for **Kohl's Corporation**? Discuss.

SOLUTION

Requirement 1

$$\begin{aligned}\text{Debt ratio} &= \text{Total liabilities} / \text{Total assets} \\ &= \$27,305 \text{ (in millions)} / \$40,262 \text{ (in millions)} \\ &= 0.678^* = 67.8\% \\ &\quad * \text{ rounded}\end{aligned}$$

Requirement 2

Target's debt ratio is significantly higher than Kohl's (59.6%).

Communication Activity 2-1

In 35 words or fewer, explain the difference between a debit and a credit, and explain what the normal balance of the six account types is.

SOLUTION

Debits are on the left, credits are on the right. Normal balance for assets, expenses, and Owner's Withdrawals is a debit. For liability, Owner's Capital, and revenue accounts, the normal balance is a credit.

Chapter 2

Recording Business Transactions

Directed Reading Guide

LO1. What is an account?

- a) In your own words, what is an *account*? **An account is the detailed record of all increases and decreases that have occurred in an individual asset, liability, or equity during a specified period.**
 - i) Assets: List some examples of assets. **Cash, Accounts Receivable, Notes Receivable, Prepaids, Land, Building, and equipment are a few examples.**
 - ii) Liabilities: List some examples of liabilities. **Accounts payable, Notes Payable, Accrued Liabilities, and Unearned Revenue are a few examples.**
 - iii) Equity: List the four equity accounts. **Owner's Capital, Owner's Withdrawals, Revenues, and Expenses.**
- b) In your own words, what is a *chart of accounts*? **A chart of accounts lists all company accounts along with the account numbers.**
- c) In your own words, what is a *ledger*? **A ledger is a collection of all the accounts, the changes in those accounts, and their balances.**

In MyAccountingLab, complete Try It! 2-1 and S2-1.

LO2. What is double-entry accounting?

- a) Draw a T-account and label the debit and credit side.

Debit	Credit

- b) Fill in the expanded accounting equation with Debit (DR), Credit (CR), and Increase (Inc.) and Decrease (Dec.).

Assets		=	Liabilities		+	Equity										
						Owner, Capital		-	Owner Withdrawals		+	Revenues		-	Expenses	
DR	CR		DR	CR		DR	CR		DR	CR		DR	CR		DR	CR
Inc.	Dec.		Dec.	Inc.		Dec.	Inc.		Inc.	Dec.		Dec.	Inc.		Inc.	Dec.

- c) Fill in the normal balance of the account

Account type	Normal Balance
Asset	Debit
Expenses	Debit
Owner, Withdrawals	Debit
Liabilities	Credit
Revenues	Credit
Owner, Capital	Credit

- d) Determining the balance in the following T-account

Cash	
25,000	1,000
2,000	3,000
	\$23,000
	balance

In MyAccountingLab, complete Try It! 2-2 and S2-2, S2-3, and S2-4.

LO3. How do you record transactions?

- a) In your own words, define the following terms:
- Source documents* - Accountants use source documents to provide the evidence and data for recording transactions.
 - Journal* – A journal is the record of transactions in date order.
 - Posting* - The process of transferring data from the journal to the ledger.

- b) What are the steps for journalizing and posting? - **1) Identify the accounts and account type; 2) Decide whether each account increases or decreases, then apply the rules of debits and credits; 3) Record the transaction in the journal; 4) Post the journal entry to the ledger; 5) Determine whether the accounting equation is in balance.**

In MyAccountingLab, complete Try It! 2-3 and S2-5.

LO4. What is the trial balance?

- a) In your own words, what is a *trial balance*? **The trial balance summarizes the ledger by listing all the accounts with their balances.**

In MyAccountingLab, complete Try It! 2-4 and S2-8.

LO5. Use the debt ratio to evaluate business performance

- a) Write the formula for the debt ratio. **Total liabilities / Total Assets**
- b) What does the debt ratio show? **The debt ratio shows the proportion of assets financed with debt.**

In MyAccountingLab, complete Try It! 2-5 and S2-9.

1. Identify the three categories of the accounting equation and list at least four accounts associated with each category.

The three categories of the accounting equation are assets, liabilities, and equity. Assets include Cash, Accounts Receivable, Notes Receivable, Prepaid Expenses, Land, Building, Equipment, Furniture, and Fixtures. Liabilities include Accounts Payable, Notes Payable, Accrued Liability, and Unearned Revenue. Equity includes Owner, Capital, Owner, Withdrawals, Revenue, and Expenses.

2. What is the purpose of the chart of accounts? Explain the numbering typically associated with the accounts.

Companies need a way to organize their accounts so they use a chart of accounts. Accounts starting with 1 are usually Assets, 2 – Liabilities, 3 – Equity, 4 – Revenues, and 5 – Expenses. The second and third digits in account number indicate where the account fits within the category.

3. What does a ledger show? What's the difference between a ledger and the chart of accounts?

A chart of accounts and a ledger are similar in that they both list the account names and account numbers of the business. A ledger, though, provides more detail. It includes the increases and decreases of each account for a specific period and the balance of each account at a specific point in time.

4. Accounting uses a double-entry system. Explain what this sentence means.

With a double-entry you need to record the dual effects of each transaction. Every transaction affects at least two accounts.

5. What is a T-account? On which side is the debit? On which side is the credit? Where does the account name go on a T-account?

A T-account is a shortened form of each account in the ledger. The debit is on the left side, credit on the right side, and the account name is shown on top.

6. When are debits increases? When are debits decreases?

Debits are increases for assets, withdrawals, and expenses. Debits are decreases for liabilities, capital, and revenue.

7. When are credits increases? When are credits decreases?

Credits are increases for liabilities, capital, and revenue.
Credits are decreases for assets, withdrawals, and expenses.

8. Identify which types of accounts have a normal debit balance and which types of accounts have a normal credit balance.

Assets, withdrawals, and expenses have a normal debit balance.
Liabilities, capital, and revenue have a normal credit balance.

9. What are source documents? Provide examples of source documents that a business might use.

Source documents provide the evidence and data for accounting transactions.
Examples of source documents a business would have are: bank deposit slips, purchase invoices, bank checks, and sales invoices.

10. Where are transactions initially recorded?

Transactions are first recorded in a journal, which is the record of transactions in date order.
--

11. Explain the five steps in journalizing and posting transactions.

Step 1: Identify the accounts and the account type. You need this information before you can complete the next step. Step 2: Decide if each account increases or decreases using the rules of debits and credits. Reviewing the rules of debits and credits, we use the accounting equation to help determine debits and credits for each account. Step 3: Record transactions in the journal using journal entries. Step 4: Post the journal entry to the ledger. When journal entries are posted from the journal to the ledger, the dollar amount is transferred from the debit and credit columns to the specific accounts in the ledger. The date on the journal entry should also be transferred to the accounts in the ledger. Step 5: Determine whether the accounting equation is in balance. After each entry the accounting equation should always be in balance.

12. What are the four parts of a journal entry?

Part 1: Date of the transaction. Part 2: Debit account name and dollar amount.
Part 3: Credit account name and dollar amount. The credit account name is indented. Part 4: Brief explanation.

13. What is involved in the posting process?

When transactions are posted from the journal to the ledger, the dollar amount is transferred from the debit and credit columns to the specific accounts in the ledger. The date of the journal entry is also transferred to the accounts in the ledger. The posting reference columns in the journal and ledger are also completed. In a computerized system, this step is completed automatically when the transaction is recorded in the journal.

14. What is the purpose of the trial balance?

The trial balance is used to prove the equality of total debits and total credits of all accounts in the ledger; it is also used to prepare the financial statements.

15. What is the difference between the trial balance and the balance sheet?

A trial balance verifies the equality of total debits and total credits of all accounts on the trial balance and is an internal document used only by employees of the company. The balance sheet, on the other hand, presents the business's accounting equation and is a financial statement that can be used by both internal and external users.

16. If total debits equal total credits on the trial balance, is the trial balance error-free? Explain your answer.

If total debits equal total credits on the trial balance, it does not mean that the trial balance is error-free. An incorrect amount could have been used, an entry could have been completely missed, or the wrong account title could have been debited or credited .

17. What is the calculation for the debt ratio? Explain what the debt ratio evaluates.

The debt ratio is calculated by dividing total liabilities by total assets and shows the proportion of assets financed with debt. It can be used to evaluate a business's ability to pay its debts.

S2-1

Identify each account as an asset (A), liability (L), or equity (E).

Solution:

a. Notes Receivable (A)
b. Nunez, Capital (E)
c. Prepaid Insurance (A)
d. Notes Payable (L)
e. Rent Revenue (E)
f. Taxes Payable (L)
g. Rent Expense (E)
h. Furniture (A)
i. Nunez, Withdrawals (E)
j. Unearned Revenue (L)

S2-2

For each account, identify whether the changes would be recorded as a debit (DR) or credit (CR).

Solution:

a. Increase to Accounts Receivable (DR)
b. Decrease to Unearned Revenue (DR)
c. Decrease to Cash (CR)
d. Increase to Interest Expense (DR)
e. Increase to Salaries Payable (CR)
f. Decrease to Prepaid Rent (CR)
g. Increase to Proudfoot, Capital (CR)
h. Increase to Notes Receivable (DR)
i. Decrease to Accounts Payable (DR)
j. Increase to Interest Revenue (CR)

S2-3

For each account, identify whether the normal balance is a debit (DR) or credit (CR).

Solution:

a. Notes Payable (CR)
b. Dividends (DR)
c. Service Revenue (CR)
d. Land (DR)
e. Unearned Revenue (CR)
f. Herman, Capital (CR)
g. Utilities Expense (DR)
h. Office Supplies (DR)
i. Advertising Expense (DR)
j. Interest Payable (CR)

S2-4

Calculate the Accounts Payable balance.

Solution:

Accounts Payable			
May 2	6,000	21,000	May 1
May 22	11,500	500	May 5
		8,500	May 15
		500	May 23
		13,000	Bal.

S2-5

Journalize the transactions of John Daniel, M.D. Include an explanation with each entry.

Solution:

Date	Accounts and Explanation	Debit	Credit
Jan. 1	Cash	34,000	
	Daniel, Capital		34,000
	<i>Owner contribution</i>		
2	Medical Supplies	17,000	
	Accounts Payable		17,000
	<i>Purchased medical supplies on account.</i>		
4	Cash	1,600	
	Service Revenue		1,600
	<i>Performed services for patients.</i>		
12	Rent Expense	3,000	
	Cash		3,000
	<i>Paid rent with cash.</i>		
15	Accounts Receivable	7,000	
	Service Revenue		7,000
	<i>Performed services for patients on account.</i>		

S2-6

Journalize the transactions of Harper Sales Consultants. Include an explanation with each journal entry.

Solution:

Date	Accounts and Explanation	Debit	Credit
Jan. 22	Accounts Receivable	7,500	
	Service Revenue		7,500
	<i>Performed services for customers on account.</i>		
30	Cash	8,000	
	Accounts Receivable		8,000
	<i>Received cash on account from customers.</i>		
31	Utilities Expense	220	
	Utilities Payable		220
	<i>Received a utility bill due in February.</i>		
31	Salaries Expense	2,500	
	Cash		2,500
	<i>Paid monthly salary to salesman.</i>		
31	Cash	2,310	
	Unearned Revenue		2,310
	<i>Received 3 months consulting services in advance.</i>		
31	Harper, Withdrawals	950	
	Cash		950
	<i>Owner withdrawal</i>		

S2-7

Requirements

1. Journalize the transactions of Roland Foster Optical Dispensary. Include an
2. Open the following accounts (use T-account format): Cash (Beginning Balance of \$21,000), Office Supplies, and Accounts Payable. Post the journal entries from Requirement 1 to the accounts, and compute the balance in each account.

Solution:

Requirement 1

Date	Accounts and Explanation	Debit	Credit
Mar. 15	Office Supplies	3,400	
	Accounts Payable		3,400
	<i>Purchased office supplies on account.</i>		
28	Accounts Payable	1,800	
	Cash		1,800
	<i>Paid cash on account.</i>		

Requirement 2

Cash			
Bal.	21,000	1,800	Mar. 28
Bal.	19,200		

Accounts Payable			
Mar. 28	1,800	3,400	Mar. 15
		1,600	Bal.

Office Supplies			
Mar. 15	3,400		
Bal.	3,400		

S2-8

Prepare the trial balance of Smithson Floor Coverings at December 31, 2018.

Solution:

SMITHSON FLOOR COVERINGS Trial Balance December 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 7,000	
Accounts Receivable	3,600	
Equipment	36,000	
Accounts Payable		2,200
Salaries Payable		25,000
Interest Payable		6,000
Smithson, Capital		24,000
Smithson, Withdrawals	16,100	
Service Revenue		26,000
Rent Expense	17,000	
Salaries Expense	1,600	
Utilities Expense	1,900	
Total	\$ 83,200	\$ 83,200

S2-9

What is Aladdin Carpet Care's debt ratio as of October 31?

Solution:

Debt ratio = Total liabilities / Total assets = \$30,000 / \$200,000 = 0.15 = 15%

E2-10

Match the accounting terms with the corresponding definitions.

Solution:

1.	g
2.	a
3.	e
4.	d
5.	j
6.	i
7.	f
8.	b
9.	h
10.	c

E2-11

Create a chart of accounts for Raymond Autobody Shop using the standard system.

Solution:

Assets	
100	Cash
110	Automotive Supplies
120	Equipment

Liabilities	
200	Accounts Payable
210	Unearned Revenue

Equity	
300	Raymond, Capital
310	Raymond, Withdrawals

Revenues	
400	Service Revenue

Expenses	
500	Utilities Expense
510	Advertising Expense

E2-12

Requirements

1. Identify each account as asset (A), liability (L), or equity (E).
2. Identify whether the account is increased with a debit (DR) or credit (CR).
3. Identify whether the normal balance is a debit (DR) or credit (CR).

Solution:

Account Name		Requirement 1	Requirement 2	Requirement 3
		Type of Account	Increase with Debit/Credit	Normal Balance with Debit/Credit
a.	Interest Revenue	E	CR	CR
b.	Accounts Payable	L	CR	CR
c.	Calhoun, Capital	E	CR	CR
d.	Office Supplies	A	DR	DR
e.	Advertising Expense	E	DR	DR
f.	Unearned Revenue	L	CR	CR
g.	Prepaid Rent	A	DR	DR
h.	Utilities Expense	E	DR	DR
i.	Calhoun, Withdrawals	E	DR	DR
j.	Service Revenue	E	CR	CR

E2-13

Insert the missing information into the accounting equation. Signify increases as Incr. and decreases as Decr.

Solution:

a.	Assets
b.	Equity
c.	Liabilities
d.	Owner, Withdrawals
e.	Incr.
f.	Incr.
g.	Decr.
h.	Incr.
i.	Incr.
j.	Decr.
k.	Decr.
l.	Incr.
m.	Decr.
n.	Credit
o.	Debit
p.	Debit
q.	Debit
r.	Debit

E2-14

For each transaction, identify a possible source document.

Solution:

a. Bank deposit slip
b. Purchase invoice
c. Sales invoice

E2-15

As the manager of Margarita Mexican Restaurant, you must deal with a variety of business transactions. Provide an explanation for the following transactions:

Solution:

a.	Purchased equipment with cash.
b.	Owner withdrew cash.
c.	Paid wages owed to employees, previously recorded.
d.	Received equipment for the business in exchange for owner's capital.
e.	Received cash from customer for work to be completed in the future.
f.	Paid for advertising with cash.
g.	Performed services that were paid by the customer.

E2-16

Journalize the transactions of Lawrence Engineering. Include an explanation with each journal entry.

Solution:

Date	Accounts and Explanation	Debit	Credit
Jul. 2	Cash	14,000	
	Lawrence, Capital		14,000
	<i>Owner contribution.</i>		
4	Utilities Expense	370	
	Cash		370
	<i>Paid utility expense.</i>		
5	Equipment	1,600	
	Accounts Payable		1,600
	<i>Purchased equipment on account.</i>		
10	Accounts Receivable	2,900	
	Service Revenue		2,900
	<i>Performed services for client on account.</i>		
12	Cash	7,100	
	Notes Payable		7,000
	<i>Borrowed cash by signing note.</i>		
19	Lawrence, Withdrawals	200	
	Cash		200
	<i>Owner withdrawal.</i>		
21	Office Supplies	840	
	Cash		840
	<i>Purchased office supplies with cash.</i>		
27	Accounts Payable	1,600	
	Cash		1,600
	<i>Paid cash on account.</i>		

E2-17

Requirements

1. Open the following T-accounts for Lawrence Engineering: Cash; Accounts Receivable; Office Supplies; Equipment; Accounts Payable; Notes Payable; Lawrence, Capital; Lawrence, Withdrawals; Service Revenue; and Utilities Expense.
2. Post the journal entries to the T-accounts. Also transfer the dates to the T-accounts.
3. Compute the July 31 balance for each account.

Solution:

Requirements 1, 2, and 3

Cash			
Jul. 2	14,000	370	Jul. 4
Jul. 12	7,100	200	Jul. 19
		840	Jul. 21
		1,600	Jul. 27
Balance	18,090		

Accounts Payable			
Jul. 27	1,600	1,600	Jul. 5
		0	Balance

Accounts Receivable			
Jul. 10	2,900		
Balance	2,900		

Notes Payable			
		7,100	Jul. 12
		7,100	Balance

Office Supplies			
Jul. 21	840		
Balance	840		

Lawrence, Capital			
		14,000	Jul. 2
		14,000	Balance

Equipment			
Jul. 5	1,600		
Balance	1,600		

Lawrence, Withdrawals			
Jul. 19	200		
Balance	200		

Service Revenue			
		2,900	Jul. 10
		2,900	Balance

Utilities Expense			
Jul. 4	370		
Balance	370		

E2-18

Journalize the transactions of Wilke Technology Solutions. Include an explanation with each journal entry.

Solution:

Date	Accounts and Explanation	Debit	Credit
May 1	Cash	105,000	
	Wilke, Capital		105,000
	<i>Owner contribution.</i>		
2	Office Supplies	550	
	Accounts Payable		550
	<i>Purchased office supplies on account.</i>		
4	Building	45,000	
	Land	12,000	
	Cash		57,000
	<i>Purchased building and land for cash.</i>		
6	Cash	3,600	
	Service Revenue		3,600
	<i>Performed services for customers for cash.</i>		
9	Accounts Payable	350	
	Cash		350
	<i>Paid cash on account.</i>		
17	Accounts Receivable	3,500	
	Service Revenue		3,500
	<i>Performed services for customers on account.</i>		
19	Rent Expense	1,200	
	Cash		1,200
	<i>Paid rent for the month.</i>		
20	Cash	1,500	
	Unearned Revenue		1,500
	<i>Received cash from customers for services to be performed next month.</i>		

Date	Accounts and Explanation	Debit	Credit
21	Prepaid Advertising	900	
	Cash		900
	<i>Paid for next month's advertising.</i>		
23	Cash	3,100	
	Accounts Receivable		3,100
	<i>Received cash on account from customer.</i>		
31	Salaries Expense	1,700	
	Cash		1,700
	<i>Paid salaries.</i>		

E2-19

Requirements

- 1 Open four-column accounts using the following account numbers: Cash, 110; Accounts Receivable, 120; Office Supplies, 130; Prepaid Advertising, 140; Land, 150; Building, 160; Accounts Payable, 210; Unearned Revenue, 220; Wilke, Capital, 310; Service Revenue, 410; Rent Expense, 510; and Salaries Expense, 520.
- 2 Post the journal entries to the four-column accounts and determine the balance in the account after each transaction. Assume that the journal entries were recorded on page 10 of the journal. Make sure to complete the Post. Ref. columns in the journal and ledger.

Solution:

Requirement 2

Date	Accounts and Explanation	Post Ref.	Debit	Credit
May 1	Cash	110	105,000	
	Wilke, Capital	310		105,000
	<i>Owner contribution.</i>			
2	Office Supplies	130	550	
	Accounts Payable	210		550
	<i>Purchased office supplies on account.</i>			
4	Building	160	45,000	
	Land	150	12,000	
	Cash	110		57,000
	<i>Purchased building and land for cash.</i>			
6	Cash	110	3,600	
	Service Revenue	410		3,600
	<i>Performed services for customers for cash.</i>			
9	Accounts Payable	210	350	
	Cash	110		350
	<i>Paid cash on account.</i>			

Date	Accounts and Explanation	Post Ref.	Debit	Credit
17	Accounts Receivable	120	3,500	
	Service Revenue	410		3,500
	<i>Performed services for customers on account.</i>			
19	Rent Expense	510	1,200	
	Cash	110		1,200
	<i>Paid rent for the month.</i>			
20	Cash	110	1,500	
	Unearned Revenue	220		1,500
	<i>Received cash from customers for services to be performed next month.</i>			
21	Prepaid Advertising	140	900	
	Cash	110		900
	<i>Paid for next month's advertising.</i>			
23	Cash	110	3,100	
	Accounts Receivable	120		3,100
	<i>Received cash on account from customer.</i>			
31	Salaries Expense	520	1,700	
	Cash	110		1,700
	<i>Paid salaries.</i>			

Requirements 1 and 2**CASH****Account No. 110**

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
May 1		J10	105,000		105,000	
May 4		J10		57,000	48,000	
May 6		J10	3,600		51,600	
May 9		J10		350	51,250	
May 19		J10		1,200	50,050	
May 20		J10	1,500		51,550	
May 21		J10		900	50,650	
May 23		J10	3,100		53,750	
May 31		J10		1,700	52,050	

ACCOUNTS RECEIVABLE**Account No. 120**

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
May 17		J10	3,500		3,500	
May 23		J10		3,100	400	

OFFICE SUPPLIES**Account No. 130**

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
May 2		J10	550		550	

PREPAID ADVERTISING

Account No. 140

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
May 21		J10	900		900	

LAND

Account No. 150

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
May 4		J10	12,000		12,000	

BUILDING

Account No. 160

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
May 4		J10	45,000		45,000	

ACCOUNTS PAYABLE

Account No. 210

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
May 2		J10		550		550
May 9		J10	350			200

UNEARNED REVENUE

Account No. 220

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
May 20		J10		1,500		1,500

WILKE, CAPITAL

Account No. 310

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
May 1		J10		105,000		105,000

SERVICE REVENUE

Account No. 410

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
May 6		J10		3,600		3,600
May 17		J10		3,500		7,100

RENT EXPENSE

Account No. 510

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
May 19		J10	1,200		1,200	

SALARIES EXPENSE

Account No. 520

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
May 31		J10	1,700		1,700	

E2-20

The first nine transactions of North-West Airplane Repair have been posted to the T-accounts. Provide an explanation for each of the nine transactions.

Solution:

1. The business received cash of \$370,000 and gave capital to owner.
2. Paid \$360,000 cash for a building.
3. Borrowed \$260,000 cash, signing a notes payable.
4. Purchased office supplies on account, \$1,500.
5. Paid \$1,200 on accounts payable.
6. Paid property tax expense, \$1,500.
7. Paid rent \$1,400 and salaries \$2,500.
8. Cash dividends of \$7,000 paid to stockholders.
9. Performed services for customers and received cash, \$21,000.

E2-21

Prepare the journal entries that served as the sources for the five transactions. Include an explanation for each entry.

Solution:

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
1.	Cash		57,000	
	Abling, Capital			57,000
	<i>Owner contribution</i>			
2.	Office Supplies		800	
	Accounts Payable			800
	<i>Purchased office supplies on account.</i>			
3.	Building		40,000	
	Cash			40,000
	<i>Purchased building for cash.</i>			
4.	Cash		46,000	
	Notes Payable			46,000
	<i>Borrowed money signing a note payable.</i>			
5.	Equipment		3,800	
	Cash			3,800
	<i>Purchased equipment for cash.</i>			

E2-22

Prepare Anderson's trial balance as of August 31, 2018.

Solution:

ANDERSON MOVING COMPANY		
Trial Balance		
August 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 4,000	
Accounts Receivable	10,000	
Office Supplies	100	
Trucks	41,000	
Building	123,000	
Accounts Payable		\$ 4,000
Notes Payable		56,000
Anderson, Capital		49,800
Anderson, Withdrawals	5,600	
Service Revenue		82,000
Salaries Expense	6,000	
Fuel Expense	1,000	
Insurance Expense	600	
Utilities Expense	300	
Advertising Expense	200	
Total	\$ 191,800	\$ 191,800

E2-23

Prepare McMahon Farm Equipment Repair's trial balance as of May 31, 2018.

Solution:

MCMAHON FARM EQUIPMENT REPAIR Trial Balance May 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 9,020	
Accounts Receivable	3,100	
Equipment	14,000	
Building	29,000	
Land	16,000	
Accounts Payable		\$ 3,400
Notes Payable		25,000
McMahon, Capital		47,000
McMahon, Withdrawals	2,000	
Service Revenue		5,300
Salaries Expense	6,300	
Property Tax Expense	1,000	
Advertising Expense	280	
Total	\$ 80,700	\$ 80,700

E2-24

Requirements

1. Open the following four-column accounts of Teresa Parker, CPA: Cash, 110; Accounts Receivable, 120; Office Supplies, 130; Office Furniture, 140; Accounts Payable, 210; Utilities Payable, 220; Parker, Capital, 310; Parker, Withdrawals, 320; Service Revenue, 410; Salaries Expense, 510; Rent Expense, 520; Utilities Expense, 530.
2. Journalize the transactions and then post the journal entries to the four-column accounts. Keep a running balance in each account. Assume the journal entries are recorded on page 10 of the journal.
3. Prepare the trial balance as of June 30, 2018.

Solution:

Requirement 2

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
June 1	Cash	110	13,200	
	Office Furniture	140	5,300	
	Parker, Capital	310		18,500
5	Rent Expense	520	1,300	
	Cash	110		1,300
9	Office Supplies	130	600	
	Accounts Payable	210		600
14	Salaries Expense	510	1,900	
	Cash	110		1,900
18	Utilities Expense	530	370	
	Utilities Payable	220		370
21	Accounts Payable	210	500	
	Cash	110		500

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
25	Accounts Receivable	120	5,700	
	Service Revenue	410		5,700
28	Parker, Withdrawals	320	6,700	
	Cash	110		6,700

Requirements 1 & 2

CASH					Account No. 110	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
June 1		J10	13,200		13,200	
June 5		J10		1,300	11,900	
June 14		J10		1,900	10,000	
June 21		J10		500	9,500	
June 28		J10		6,700	2,800	

ACCOUNTS RECEIVABLE					Account No. 120	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
June 25		J10	5,700		5,700	

OFFICE SUPPLIES					Account No. 130	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
June 9		J10	600		600	

OFFICE FURNITURE					Account No. 140	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
June 1		J10	5,300		5,300	

ACCOUNTS PAYABLE					Account No. 210	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
June 9		J10		600		600
June 21		J10	500			100

UTILITIES PAYABLE					Account No. 220	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
June 18		J10		370		370

PARKER, CAPITAL					Account No. 310	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
June 1		J10		18,500		18,500

PARKER, WITHDRAWALS					Account No. 320	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
June 28		J10	6,700		6,700	

SERVICE REVENUE					Account No. 410	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
June 25		J10		5,700		5,700

SALARIES EXPENSE

Account No. 510

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
June 14		J10	1,900		1,900	

RENT EXPENSE

Account No. 520

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
June 5		J10	1,300		1,300	

UTILITIES EXPENSE

Account No. 530

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
June 18		J10	370		370	

Requirement 3

TERESA PARKER, CPA Trial Balance June 30, 2018			
Acct. No.	Account Name	Debit	Credit
110	Cash	\$ 2,800	
120	Accounts Receivable	5,700	
130	Office Supplies	600	
140	Office Furniture	5,300	
210	Accounts Payable		\$ 100
220	Utilities Payable		370
310	Parker, Capital		18,500
320	Parker, Withdrawals	6,700	
410	Service Revenue		5,700
510	Salaries Expense	1,900	
520	Rent Expense	1,300	
530	Utilities Expense	370	
	Total	\$ 24,670	\$ 24,670

E2-25

Requirements

1. For each of these errors, state whether total debits equal total credits on the trial balance.
2. Identify each account that has an incorrect balance, and the amount and direction of the error (such as "Accounts Receivable \$500 too high").

Solution:**Requirements 1 and 2**

Debits equal Credits, Yes or No		Accounts	Amount	High or Low
a.	No	Notes Payable	\$ 5,000	Low
b.	No	Utilities Expense	900	Low
c.	Yes	Furniture	600	High
		Accounts Payable	600	High
d.	No	Cash	450	Low
e.	Yes	Office Supplies	90	Low
		Accounts Payable	90	Low

E2-26

Prepare the corrected trial balance as of November 30, 2018. Assume all amounts are correct and all accounts have normal balances.

Solution:

COUNTRYSIDE PAINTING SPECIALISTS Trial Balance November 30, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 12,100	
Accounts Receivable	1,300	
Office Supplies	200	
Painting Equipment	13,500	
Accounts Payable		\$ 3,300
Unearned Revenue		1,700
Watts, Capital		15,000
Watts, Withdrawals	3,500	
Service Revenue		15,600
Advertising Expense	550	
Rent Expense	1,800	
Salaries Expense	2,400	
Utilities Expense	250	
Total	\$ 35,600	\$ 35,600

E2-27

Prepare the corrected trial balance as of May 31, 2018, complete with a heading; journal entries are not required.

Solution:

JOY MCDOWELL TUTORING SERVICE Trial Balance May 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 3,200	
Accounts Receivable	1,600	
Office Supplies	600	
Computer Equipment	15,800	
Accounts Payable		\$ 12,900
Utilities Payable		1,100
McDaowell, Capital		11,700
McDowell, Withdrawals	10,400	
Service Revenue		9,600
Salaries Expense	1,900	
Rent Expense	800	
Utilities Expense	1,000	
Total	\$ 35,300	\$ 35,300

Explanation:

a. Increase Cash by \$400, decrease Accounts Receivable by \$400.
b. Increase Accounts Payable by \$1,800 (\$2,000 – \$200).
c. Increase Utilities Expense and Utilities Payable by \$300 each.
d. Increase McDowell, Capital by \$100.

E2-28

Calculate the debt ratio for John Hart, M.D.

Solution:

Liabilities:		
Accounts Payable	\$	1,600
Utilities Payable		800
Unearned Revenue		24,795
Notes Payable		69,000
Total liabilities	\$	96,195

Assets:		
Cash	\$	30,000
Accounts Receivable		7,900
Office Supplies		3,000
Office Equipment		30,000
Building		75,000
Land		29,000
Total assets	\$	174,900

Debt ratio = Total liabilities / Total assets = \$96,195 / \$174,900 = 0.55 = 55%		

P2-29A
Requirements

1. Journalize each transaction. Explanations are not required.
2. Post the journal entries to the T-accounts, using transaction dates as posting references in the ledger accounts. Label the balance of each account Bal.
3. Prepare the trial balance of Vincent York, M.D. as of July 31, 2018.

Solution:
Requirement 1

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
July 1	Cash		63,000	
	York, Capital			63,000
5	Rent Expense		510	
	Cash			510
9	Land		23,000	
	Cash			23,000
10	Office Supplies		1,600	
	Accounts Payable			1,600
19	Cash		22,000	
	Notes Payable			22,000
22	Accounts Payable		1,100	
	Cash			1,100
28	Advertising Expense		240	
	Advertising Payable			240
31	Cash		6,400	
	Accounts Receivable		6,000	
	Service Revenue			12,400

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
July 31	Salaries Expense		2,200	
	Rent Expense		1,900	
	Utilities Expense		560	
	Cash			4,660
31	Cash		1,120	
	Unearned Revenue			1,120
31	York, Withdrawals		7,200	
	Cash			7,200

Requirement 2

Cash			
Jul. 1	63,000	510	Jul. 5
Jul. 19	22,000	23,000	Jul. 9
Jul. 31	6,400	1,100	Jul. 22
Jul. 31	1,120	4,660	Jul. 31
		7,200	Jul. 31
Bal.	56,050		

Accounts Payable			
Jul. 22	1,100	1,600	Jul. 10
		500	Bal.

Accounts Receivable			
Jul. 31	6,000		
Bal.	6,000		

Advertising Payable			
		240	Jul. 28
		240	Bal.

Office Supplies			
Jul. 10	1,600		
Bal.	1,600		

Unearned Revenue			
		1,120	Jul. 31
		1,120	Bal.

York, Capital			
		63,000	Jul. 1
		63,000	Bal.

Notes Payable			
		22,000	Jul. 19
		22,000	Bal.

Land			
Jul. 9	23,000		
Bal.	23,000		

York, Dividends			
Jul. 31	7,200		
Bal.	7,200		

Service Revenue			
		12,400	Jul. 31
		12,400	Bal.

Utilities Expense			
Jul. 31	560		
Bal.	560		

Salaries Expense			
Jul. 31	2,200		
Bal.	2,200		

Rent Expense			
Jul. 5	510		
Jul. 31	1,900		
Bal.	2,410		

Advertising Expense			
Jul. 28	240		
Bal.	240		

Requirement 3

VINCENT YORK, MD Trial Balance July 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 56,050	
Accounts Receivable	6,000	
Office Supplies	1,600	
Land	23,000	
Accounts Payable		\$ 500
Advertising Payable		240
Unearned Revenue		1,120
Notes Payable		22,000
York, Capital		63,000
York, Withdrawals	7,200	
Service Revenue		12,400
Salaries Expense	2,200	
Rent Expense	2,410	
Utilities Expense	560	
Advertising Expense	240	
Total	\$ 99,260	\$ 99,260

P2-30A

Requirements

- Record each transaction in the journal using the following account titles: Cash; Accounts Receivable; Office Supplies; Prepaid Insurance; Land; Furniture; Accounts Payable; Utilities Payable; Unearned Revenue; Simpson, Capital; Simpson, Withdrawals; Service Revenue; Salaries Expense; Rent Expense; and Utilities Expense. Explanations are not required.
- Open a T-account for each of the accounts.
- Post the journal entries to the T-accounts, using transaction dates as posting references in the ledger accounts. Label the balance of each account Bal.
- Prepare the trial balance of Ann Simpson, Designer, as of September 30, 2018.

Solution:

Requirement 1

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Sep. 1	Cash		48,000	
	Simpson, Capital			48,000
4	Office Supplies		1,200	
	Furniture		1,300	
	Accounts Payable			2,500
6	Cash		1,900	
	Service Revenue			1,900
7	Land		18,000	
	Cash			18,000
10	Accounts Receivable		1,200	
	Service Revenue			1,200
14	Accounts Payable		1,300	
	Cash			1,300

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Sep. 15	Salaries Expense		1,500	
	Cash			1,500
17	Cash		1,000	
	Accounts Receivable			1000
20	Accounts Receivable		650	
	Service Revenue			650
25	Cash		2,100	
	Unearned Revenue			2,100
28	Cash		2,900	
	Service Revenue			2,900
29	Prepaid Insurance		600	
	Cash			600
30	Salaries Expense		1,500	
	Cash			1,500
30	Rent Expense		600	
	Cash			600
30	Utilities Expense		350	
	Utilities Payable			350
30	Simpson, Withdrawals		3,700	
	Cash			3,700

Requirements 2 and 3

Cash			
Sep. 1	48,000	18,000	Sep. 7
Sep. 6	1,900	1,300	Sep. 14
Sep. 17	1,000	1,500	Sep. 15
Sep. 25	2,100	600	Sep. 29
Sep. 28	2,900	1,500	Sep. 30
		600	Sep. 30
		3,700	Sep. 30
Bal.	28,700		

Accounts Payable			
Sep. 14	1,300	2,500	Sep. 4
		1,200	Bal.

Utilities Payable			
		350	Sep. 30
		350	Bal.

Accounts Receivable			
Sep. 10	1,200	1,000	Sep. 17
Sep. 20	650		
Bal.	850		

Unearned Revenue			
		2,100	Sep. 25
		2,100	Bal.

Office Supplies			
Sep. 4	1,200		
Bal.	1,200		

Simpson, Capital			
		48,000	Sep. 1
		48,000	Bal.

Prepaid Insurance			
Sep. 29	600		
Bal.	600		

Simpson, Withdrawals			
Sep. 30	3,700		
Bal.	3,700		

Land			
Sep. 7	18,000		
Bal.	18,000		

Service Revenue			
		1,900	Sep. 6
		1,200	Sep. 10
		650	Sep. 20
		2,900	Sep. 28
		6,650	Bal.

Furniture			
Sep. 4	1,300		
Bal.	1,300		

Utilities Expense			
Sep. 30	350		
Bal.	350		

Salaries Expense			
Sep. 15	1,500		
Sep. 30	1,500		
Bal.	3,000		

Rent Expense			
Sep. 30	600		
Bal.	600		

Requirement 4

ANN SIMPSON, DESIGNER Trial Balance September 30, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 28,700	
Accounts Receivable	850	
Office Supplies	1,200	
Prepaid Insurance	600	
Furniture	18,000	
Land	1,300	
Accounts Payable		\$ 1,200
Utilities Payable		350
Unearned Revenue		2,100
Simpson, Capital		48,000
Simpson, Withdrawals	3,700	
Service Revenue		6,650
Salaries Expense	3,000	
Rent Expense	600	
Utilities Expense	350	
Total	\$ 58,300	\$ 58,300

P2-31A

Requirements

- Record each transaction in the journal, using the following account titles:
Cash; Accounts Receivable; Office Supplies; Prepaid Insurance; Land; Building;
Furniture; Accounts Payable; Utilities Payable; Notes Payable; Murphy, Capital;
Murphy, Withdrawals; Service Revenue; Salaries Expense; Rent Expense; and Utilities
Expense. Explanations are not required.
- Open the following four-column accounts including account numbers: Cash, 101;
Accounts Receivable, 111; Office Supplies, 121; Prepaid Insurance, 131; Land, 141;
Building, 151; Furniture, 161; Accounts Payable, 201; Utilities Payable, 211; Notes
Payable, 221; Murphy, Capital, 301; Murphy, Withdrawals, 311; Service Revenue,
411; Salaries Expense, 511; Rent Expense, 521; and Utilities Expense, 531.
- Post the journal entries to four-column accounts in the ledger, using dates,
account numbers, journal references, and posting references. Assume the journal
entries were recorded on page 1 of the journal.
- Prepare the trial balance of Terrence Murphy, Attorney, at January 31, 2018.

Solution:**Requirement 1 and 3**

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Jan. 1	Cash	101	78,000	
	Murphy, Capital	301		78,000
3	Office Supplies	121	600	
	Furniture	161	1,700	
	Accounts Payable	201		2,300
4	Cash	101	1,000	
	Service Revenue	411		1,000
7	Building	151	130,000	
	Land	141	25,000	
	Cash	101		25,000
	Notes Payable	221		130,000

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Jan. 11	Accounts Receivable	111	400	
	Service Revenue	411		400
15	Salaries Expense	511	1,120	
	Cash	101		1,120
16	Accounts Payable	201	600	
	Cash	101		600
18	Cash	101	2,700	
	Service Revenue	411		2,700
19	Accounts Receivable	111	1,800	
	Service Revenue	411		1800
25	Utilities Expense	531	600	
	Utilities Payable	211		600
29	Cash	101	1,500	
	Accounts Receivable	111		1500
30	Prepaid Insurance	131	1,200	
	Cash	101		1,200
30	Salaries Expense	511	1,120	
	Cash	101		1,120
31	Rent Expense	521	1,800	
	Cash	101		1,800
31	Murphy, Withdrawal	311	2,200	
	Cash	101		2,200

Requirements 2 and 3**CASH**

Account No. 101

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 1		J1	78,000		78,000	
Jan. 4		J1	1,000		79,000	
Jan. 7		J1		25,000	54,000	
Jan. 15		J1		1,120	52,880	
Jan. 16		J1		600	52,280	
Jan. 18		J1	2,700		54,980	
Jan. 29		J1	1,500		56,480	
Jan. 30		J1		1,200	55,280	
Jan. 30		J1		1,120	54,160	
Jan. 31		J1		1,800	52,360	
Jan. 31		J1		2,200	50,160	

ACCOUNTS RECEIVABLE

Account No. 111

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 11		J1	400		400	
Jan. 19		J1	1,800		2,200	
Jan. 29		J1		1,500	700	

OFFICE SUPPLIES

Account No. 121

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 3		J1	600		600	

PREPAID INSURANCE

Account No. 131

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 30		J1	1,200		1,200	

LAND

Account No. 141

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 7		J1	25,000		25,000	

BUILDING

Account No. 151

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 7		J1	130,000		130,000	

FURNITURE

Account No. 161

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 3		J1	1,700		1,700	

ACCOUNTS PAYABLE

Account No. 201

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 3		J1		2,300		2,300
Jan. 16		J1	600			1,700

UTILITIES PAYABLE

Account No. 211

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 25		J1		600		600

NOTES PAYABLE

Account No. 221

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 7		J1		130,000		130,000

MURPHY, CAPITAL

Account No. 301

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 1		J1		78,000		78,000

MURPHY, WITHDRAWALS

Account No. 311

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 31		J1	2,200		2,200	

SERVICE REVENUE

Account No. 411

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 4		J1		1,000		1,000
Jan. 11		J1		400		1,400
Jan. 18		J1		2,700		4,100
Jan. 19		J1		1,800		5,900

SALARIES EXPENSE

Account No. 511

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 15		J1	1,120		1,120	
Jan. 30		J1	1,120		2,240	

RENT EXPENSE

Account No. 521

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 31		J1	1,800		1,800	

UTILITIES EXPENSE

Account No. 531

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Jan. 25		J1	600		600	

Requirement 4

TERRENCE MURPHY, ATTORNEY Trial Balance January 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 50,160	
Accounts Receivable	700	
Office Supplies	600	
Prepaid Insurance	1,200	
Land	25,000	
Building	130,000	
Furniture	1,700	
Accounts Payable		\$ 1,700
Utilities Payable		600
Notes Payable		130,000
Murphy, Capital		78,000
Murphy, Withdrawals	2,200	
Service Revenue		5,900
Salaries Expense	2,240	
Rent Expense	1,800	
Utilities Expense	600	
Total	\$ 216,200	\$ 216,200

P2-32A

Requirements

1. Record the April transactions in the journal.
2. Open the four-column ledger accounts listed in the trial balance, together with their balances as of March 31.
3. Post the journal entries to four-column accounts in the ledger, using dates, account numbers, journal references, and posting references. Assume the journal entries were recorded on page 5 of the journal.
4. Prepare the trial balance of Shawn Merry, CPA, at April 30, 2018.

Solution:

Requirement 1

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Apr. 4	Cash	11	2,500	
	Accounts Receivable	12		2,500
	<i>Received cash from client on account.</i>			
8	Accounts Receivable	12	5,400	
	Service Revenue	41		5,400
	<i>Performed tax services for client on account.</i>			
13	Accounts Payable	21	3,000	
	Cash	11		3,000
	<i>Paid cash on account.</i>			
14	Furniture	15	3,600	
	Accounts Payable	21		3,600
	<i>Purchased furniture on account.</i>			
15	Automobile	16	9,500	
	Merry, Capital	31		9,500
	<i>Owner contribution.</i>			

[illegible]

Requirements 2 and 3

CASH					Account No. 11	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				11,000	
Apr. 4		J5	2,500		13,500	
13		J5		3,000	10,500	
19		J5	2,700		13,200	
20		J5		6,500	6,700	
21		J5	5,700		12,400	
24		J5	2,400		14,800	
27		J5		600	14,200	
28		J5		1,700	12,500	

ACCOUNTS RECEIVABLE					Account No. 12	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				16,500	
Apr. 4		J5		2,500	14,000	
8		J5	5,400		19,400	
19		J5		2,700	16,700	

OFFICE SUPPLIES					Account No. 13	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				400	
Apr. 18		J5	900		1,300	

LAND					Account No. 14	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				30,000	

FURNITURE					Account No. 15	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 14		J5	3,600		3,600	

AUTOMOBILE					Account No. 16	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 15		J5	9,500		9,500	

ACCOUNTS PAYABLE					Account No. 21	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance					3,800
Apr. 13		J5	3,000			800
14		J5		3,600		4,400
18		J5		900		5,300

UNEARNED REVENUE					Account No. 22	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 24		J5		2,400		2,400

MERRY, CAPITAL					Account No. 31	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance					52,300
Apr. 15		J5		9,500		61,800

MERRY, WITHDRAWALS					Account No. 33	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 20		J5	6,500		6,500	

SERVICE REVENUE					Account No. 41	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31						8,200
Apr. 8		J5		5,400		13,600
21		J5		5,700		19,300

SALARIES EXPENSE					Account No. 51	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31					5,600	
Apr. 28		J5	1,700		7,300	

RENT EXPENSE					Account No. 52	
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31					800	
Apr. 27		J5	600		1,400	

Requirement 4

SHAWN MERRY, CPA Trial Balance April 30, 2018			
Acct. No.	Account Title	Balance	
		Debit	Credit
11	Cash	\$ 12,500	
12	Accounts Receivable	16,700	
13	Office Supplies	1,300	
14	Land	30,000	
15	Furniture	3,600	
16	Automobile	9,500	
21	Accounts Payable		\$ 5,300
22	Unearned Revenue		2,400
31	Merry, Capital		61,800
33	Merry, Withdrawals	6,500	
41	Service Revenue		19,300
51	Salaries Expense	7,300	
52	Rent Expense	1,400	
	Total	\$ 88,800	\$ 88,800

P2-33A

Prepare the corrected trial balance as of August 31, 2018. Journal entries are not required.

Solution:

BEAUTIFUL TOTS CHILD CARE Trial Balance August 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 10,900	
Accounts Receivable	14,900	
Office Supplies	2,400	
Prepaid Insurance	4,100	
Equipment	83,000	
Accounts Payable		\$ 4,800
Notes Payable		45,000
Trumball, Capital		57,000
Trumball, Withdrawals	3,200	
Service Revenue		16,450
Salaries Expense	3,700	
Rent Expense	750	
Advertising Expense	300	
Total	\$ 123,250	\$ 123,250

Explanations:
a. Increase Cash by \$1,500.
b. Increase Accounts Receivable by \$8,200 ($\$4,100 \times 2$).
c. Increase Office Supplies and Accounts Payable by \$1,400 each.
d. Decrease Equipment by \$8,500 ($\$91,500 - \$83,000$).
e. Decrease Salaries Expense by \$700.
f. Advertising Expense should have a debit balance of \$300. Decrease Cash by \$300.
g. Trumball, Withdrawals should decrease by \$1,800 and Cash should increase by \$1,800 ($\$2,000 - \200).
h. Service Revenue should increase by \$4,100.
i. Prepaid Insurance should increase by \$3,800 ($\$1,900 \times 2$).

P2-34A

Requirements

1. Prepare the income statement for the month ended July 31, 2018.
2. Prepare the statement of owner's equity for the month ended July 31, 2018.
The beginning balance of capital was \$0 and the owner contributed \$18,000 during the month.
3. Prepare the balance sheet as of July 31, 2018.
4. Calculate the debt ratio as of July 31, 2018.

Solution:

Requirement 1

SARA SIMON, REGISTERED DIETICIAN Income Statement Month Ended July 31, 2018		
Revenues:		
Service Revenue		\$17,888
Expenses:		
Salaries Expense	\$ 1,700	
Rent Expense	1,100	
Utilities Expense	500	
Total Expenses		3,300
Net Income		\$ 14,588

Requirement 2

SARA SIMON, REGISTERED DIETICIAN Statement of Owner's Equity Month Ended July 31, 2018		
Simon, Capital, July 1, 2018		
	\$	0
Owner contribution	\$	18,000
Net income for the month		14,588
		32,588
Owner withdrawals		(2,800)
Simon, Capital, July 31, 2018		\$29,788

Requirements 3

SARA SIMON, REGISTERED DIETICIAN			
Balance Sheet			
July 31, 2018			
Assets		Liabilities	
Cash	\$ 38,000	Accounts Payable	\$ 3,000
Accounts Receivable	9,000	Unearned Revenue	3,912
Office Supplies	2,300	Notes Payable	31,000
Prepaid Insurance	2,400	Total Liabilities	37,912
Equipment	16,000		
		Owner's Equity	
		Simon, Capital	29,788
		Total Liabilities and Owner's	
Total Assets	\$ 67,700	Equity	\$ 67,700

Requirements 4

Debt ratio = Total liabilities / Total assets = \$37,912 / \$67,700 = 0.56 = 56%

P2-35B

Requirements

1. Journalize each transaction. Explanations are not required.
2. Post the journal entries to the T-accounts, using transaction dates as posting references in the ledger accounts. Label the balance of each account Bal.
3. Prepare the trial balance of Victor Yang, M.D. as of March 31, 2018.

Solution:

Requirement 1

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Mar. 1	Cash		62,000	
	Yang, Capital			62,000
5	Rent Expense		570	
	Cash			570
9	Land		14,000	
	Cash			14,000
10	Office Supplies		1,500	
	Accounts Payable			1,500
19	Cash		27,000	
	Notes Payable			27,000
22	Accounts Payable		1,400	
	Cash			1,400
28	Advertising Expense		220	
	Advertising Payable			220
31	Cash		6,700	
	Accounts Receivable		5,800	
	Service Revenue			12,500

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Mar. 31	Salaries Expense		2,100	
	Rent Expense		1,500	
	Utilities Expense		350	
	Cash			3,950
31	Cash		1,000	
	Unearned Revenue			1,000
31	Yang, Withdrawals		7,100	
	Cash			7,100

Requirement 2

Cash			
Mar. 1	62,000	570	Mar. 5
Mar. 19	27,000	14,000	Mar. 9
Mar. 31	6,700	1,400	Mar. 22
Mar. 31	1,000	3,950	Mar. 31
		7,100	Mar. 31
Bal.	69,680		

Accounts Payable			
Mar. 22	1,400	1,500	Mar. 10
		100	Bal.

Accounts Receivable			
Mar. 31	5,800		
Bal.	5,800		

Advertising Payable			
		220	Mar. 28
		220	Bal.

Office Supplies			
Mar. 10	1,500		
Bal.	1,500		

Unearned Revenue			
		1,000	Mar. 31
		1,000	Bal.

Yang, Capital			
		62,000	Mar. 1
		62,000	Bal.

Notes Payable			
		27,000	Mar. 19
		27,000	Bal.

Land			
Mar. 9	14,000		
Bal.	0		

Yang, Withdrawals			
Mar. 31	7,100		
Bal.	7,100		

Service Revenue			
		12,500	Mar. 31
		12,500	Bal.

Utilities Expense			
Mar. 31	350		
Bal.	350		

Salaries Expense			
Mar. 31	2,100		
Bal.	2,100		

Rent Expense			
Mar. 5	570		
Mar. 31	1,500		
Bal.	2,070		

Advertising Expense			
Mar. 28	220		
Bal.	220		

Requirement 3

Victor, Yang, MD Trial Balance March 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 69,680	
Accounts Receivable	5,800	
Office Supplies	1,500	
Land	14,000	
Accounts Payable		\$ 100
Advertising Payable		220
Unearned Revenue		1,000
Notes Payable		27,000
Yang, Capital		62,000
Yang, Withdrawals	7,100	
Service Revenue		12,500
Salaries Expense	2,100	
Rent Expense	2,070	
Utilities Expense	350	
Advertising Expense	220	
Total	\$ 102,820	\$ 102,820

P2-36B

Requirements

- Record each transaction in the journal using the following account titles: Cash; Accounts Receivable; Office Supplies; Prepaid Insurance; Land; Furniture; Accounts Payable; Utilities Payable; Unearned Revenue; Stewart, Capital; Stewart, Withdrawals; Service Revenue; Salaries Expense; Rent Expense; and Utilities Expense. Explanations are not required.
- Open a T-account for each of the accounts.
- Post the journal entries to the T-accounts, using transaction dates as posting references in the ledger accounts. Label the balance of each account Bal.
- Prepare the trial balance of Beth Steward, Designer, as of November 30, 2018.

Solution:

Requirement 1

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Nov. 1	Cash		41,000	
	Stewart, Capital			41,000
4	Office Supplies		1,200	
	Furniture		2,300	
	Accounts Payable			3,500
6	Cash		2,100	
	Service Revenue			2,100
7	Land		27,000	
	Cash			27,000
10	Accounts Receivable		800	
	Service Revenue			800
14	Accounts Payable		2,300	
	Cash			2,300
15	Salaries Expense		1,470	
	Cash			1,470

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Nov. 17	Cash		500	
	Accounts Receivable			500
20	Accounts Receivable		680	
	Service Revenue			680
25	Cash		1,900	
	Unearned Revenue			1,900
28	Cash		3,100	
	Service Revenue			3,100
29	Prepaid Insurance		840	
	Cash			840
30	Salaries Expense		1,470	
	Cash			1,470
30	Rent Expense		650	
	Cash			830
30	Utilities Expense		650	
	Utilities Payable			650
30	Stewart, Withdrawals		2,800	
	Cash			2,800

Requirements 2 and 3

Cash			
Nov. 1	41,000	27,000	Nov. 7
Nov. 6	2,100	2,300	Nov. 14
Nov. 17	500	1,470	Nov. 15
Nov. 25	1,900	840	Nov. 29
Nov. 28	3,100	1,470	Nov. 30
		650	Nov. 30
		2,800	Nov. 30
Bal.	12,070		

Accounts Payable			
Nov. 14	2,300	3,500	Nov. 4
		1,200	Bal.

Utilities Payable			
		650	Nov. 30
		650	Bal.

Accounts Receivable			
Nov. 10	800	500	Nov. 17
Nov. 20	680		
Bal.	980		

Unearned Revenue			
		1,900	Nov. 25
		1,900	Bal.

Office Supplies			
Nov. 4	1,200		
Bal.	1,200		

Stewart, Capital			
		41,000	Nov. 1
		41,000	Bal.

Prepaid Insurance			
Nov. 29	840		
Bal.	840		

Stewart, Withdrawals			
Nov. 30	2,800		
Bal.	2,800		

Land			
Nov. 7	27,000		
Bal.	27,000		

Service Revenue			
		2,100	Nov. 6
		800	Nov. 10
		680	Nov. 20
		3,100	Nov. 28
		6,680	Bal.

Furniture			
Nov. 4	2,300		
Bal.	2,300		

Utilities Expense			
Nov. 30	650		
Bal.	650		

Salaries Expense			
Nov. 15	1,470		
Nov. 30	1,470		
Bal.	2,940		

Rent Expense			
Nov. 30	650		
Bal.	650		

Requirement 4

BETH STEWART, DESIGNER		
Trial Balance		
November 30, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 12,070	
Accounts Receivable	980	
Office Supplies	1,200	
Prepaid Insurance	840	
Land	27,000	
Furniture	2,300	
Accounts Payable		\$ 1,200
Utilities Payable		650
Unearned Revenue		1,900
Stewart, Capital		41,000
Stewart, Withdrawals	2,800	
Service Revenue		6,680
Salaries Expense	2,940	
Rent Expense	650	
Utilities Expense	650	
Total	\$ 51,430	\$ 51,430

P2-37B

Requirements

- Record each transaction in the journal, using the following account titles:
Cash; Accounts Receivable; Office Supplies; Prepaid Insurance; Land; Building;
Furniture; Accounts Payable; Utilities Payable; Notes Payable; McMahon, Capital;
McMahon, Withdrawals; Service Revenue; Salaries Expense; Rent Expense; and
Utilities Expense. Explanations are not required.
- Open the following four-column accounts including account numbers: Cash, 101;
Accounts Receivable, 111; Office Supplies, 121; Prepaid Insurance, 131; Land,
141; Building, 151; Furniture, 161; Accounts Payable, 201; Utilities Payable, 211;
Notes Payable, 221; McMahon, Capital, 301; McMahon, Withdrawals, 311; Service
Revenue, 411; Salaries Expense, 511; Rent Expense, 521; and Utilities Expense, 531.
- Post the journal entries to four-column accounts in the ledger, using dates,
account numbers, journal references, and posting references. Assume the journal
entries were recorded on page 1 of the journal.
- Prepare the trial balance of Theodore McMahon, Attorney, at April 30, 2018.

Solution:**Requirement 1 and 3**

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Apr. 1	Cash	101	70,000	
	McMahon, Capital	301		70,000
3	Office Supplies	121	1,100	
	Furniture	161	1,300	
	Accounts Payable	201		2,400
4	Cash	101	2,000	
	Service Revenue	411		2,000
7	Building	151	150,000	
	Land	141	30,000	
	Cash	101		150,000
	Notes Payable	221		30,000

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Apr. 11	Accounts Receivable	111	400	
	Service Revenue	411		400
15	Salaries Expense	511	1,200	
	Cash	101		1200
16	Accounts Payable	201	1,100	
	Cash	101		1100
18	Cash	101	2,700	
	Service Revenue	411		2,700
19	Accounts Receivable	111	1,700	
	Service Revenue	411		1700
25	Utilities Expense	531	650	
	Utilities Payable	211		650
28	Cash	101	1,100	
	Accounts Receivable	111		1100
29	Prepaid Insurance	131	3,600	
	Cash	101		3,600
29	Salaries Expense	511	1,200	
	Cash	101		1,200
30	Rent Expense	521	2100	
	Cash	101		2100
30	McMahon, Withdrawals	311	3,200	
	Cash	101		3,200

Requirements 2 and 3

CASH

Account No. 101

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 1		J1	70,000		70,000	
Apr. 4		J1	2,000		72,000	
Apr. 7		J1		40,000	32,000	
Apr. 15		J1		1,200	30,800	
Apr. 16		J1		1,100	29,700	
Apr. 18		J1	2,700		32,400	
Apr. 28		J1	1,100		33,500	
Apr. 29		J1		3,600	29,900	
Apr. 29		J1		1,200	28,700	
Apr. 30		J1		2,100	26,600	
Apr. 30		J1		3,200	23,400	

ACCOUNTS RECEIVABLE

Account No. 111

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 11		J1	400		400	
Apr. 19		J1	1,700		2,100	
Apr. 28		J1		1,100	1,000	

OFFICE SUPPLIES

Account No. 121

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 3		J1	1,100		1,100	

PREPAID INSURANCE

Account No. 131

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 29		J1	3,600		3,600	

LAND

Account No. 141

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 7		J1	30,000		30,000	

BUILDING

Account No. 151

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 7		J1	150,000		150,000	

FURNITURE

Account No. 161

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 3		J1	1,300		1,300	

ACCOUNTS PAYABLE

Account No. 201

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 3		J1		2,400		2,400
Apr. 16		J1	1,100			1,300

UTILITIES PAYABLE

Account No. 211

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 25		J1		650		650

NOTES PAYABLE

Account No. 221

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 7		J1		140,000		140,000

MCMAHON, CAPITAL

Account No. 301

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 1		J1		70,000		70,000

MCMAHON, WITHDRAWALS

Account No. 311

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 30		J1	3,200		3,200	

SERVICE REVENUE

Account No. 411

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 4		J1		2,000		2,000
Apr. 11		J1		400		2,400
Apr. 18		J1		2,700		5,100
Apr. 19		J1		1,700		6,800

SALARIES EXPENSE

Account No. 511

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 15		J1	1,200		1,200	
Apr. 29		J1	1,200		2,400	

RENT EXPENSE

Account No. 521

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 30		J1	2,100		2,100	

UTILITIES EXPENSE

Account No. 531

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 25		J1	650		650	

Requirement 4

THEODORE MCMAHON, ATTORNEY		
Trial Balance		
April 30, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 23,400	
Accounts Receivable	1,000	
Office Supplies	1,100	
Prepaid Insurance	3,600	
Land	30,000	
Building	150,000	
Furniture	1,300	
Accounts Payable		\$ 1,300
Utilities Payable		650
Notes Payable		140,000
McMahon, Capital		70,000
McMahon, Withdrawals	3,200	
Service Revenue		6,800
Salaries Expense	2,400	
Rent Expense	2,100	
Utilities Expense	650	
Total	\$ 218,750	\$ 218,750

P2-38B**Requirements**

1. Record the April transactions in the journal using the following accounts: Cash; Accounts Receivable; Office Supplies; Land; Furniture; Automobile; Accounts Payable; Unearned Revenue; Menning, Capital; Menning, Withdrawals; Service Revenue; Salaries Expense; and Rent Expense. Include an explanation for each entry.
2. Open the four-column ledger accounts listed in the trial balance, together with their balances as of March 31. Use the following account numbers: Cash, 11; Accounts Receivable, 12; Office Supplies, 13; Land, 14; Furniture, 15; Automobile, 16; Accounts Payable, 21; Unearned Revenue, 22; Menning, Capital, 31; Menning, Withdrawals, 33; Service Revenue, 41; Salaries Expense, 51; and Rent Expense, 52.
3. Post the journal entries to four-column accounts in the ledger, using dates, account numbers, journal references, and posting references. Assume the journal entries were recorded on page 5 of the journal.
4. Prepare the trial balance of John Menning, CPA, at April 30, 2018.

Solution:

Requirement 1

[illegible]

Requirements 2 and 3

CASH

Account No. 11

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				17,000	
Apr. 4		J5	6,000		23,000	
Apr. 13		J5		3,300	19,700	
Apr. 19		J5	2,750		22,450	
Apr. 20		J5		7,500	14,950	
Apr. 21		J5	4,900		19,850	
Apr. 24		J5	2,500		22,350	
Apr. 27		J5		900	21,450	
Apr. 28		J5		1,200	20,250	

ACCOUNTS RECEIVABLE

Account No. 12

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				10,500	
Apr. 4		J5		6,000	4,500	
Apr. 8		J5	5,500		10,000	
Apr. 19		J5		2,750	7,250	

OFFICE SUPPLIES

Account No. 13

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				1,200	
Apr. 18		J5	1,600		2,800	

LAND

Account No. 14

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance				29,000	

FURNITURE

Account No. 15

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 14		J5	4,000		4,000	

AUTOMONBILE

Account No. 16

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 15		J5	11,500		11,500	

ACCOUNTS PAYABLE

Account No. 21

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance					3,800
Apr. 13		J5	3,300			500
Apr. 14		J5		4,000		4,500
Apr. 18		J5		1,600		6,100

UNEARNED REVENUE

Account No. 22

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 24		J5		2,500		2,500

Menning, Capital

Account No. 31

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31	Balance					46,200
Apr. 15		J5		11,500		57,700

Menning, Withdrawals

Account No. 33

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Apr. 20		J5	7,500		7,500	

SERVICE REVENUE

Account No. 41

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31						11,200
Apr. 8		J5		5,500		16,700
Apr. 21		J5		4900		21,600

SALARIES EXPENSE

Account No. 51

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31					2,500	
Apr. 28		J5	1,200		3,700	

RENT EXPENSE

Account No. 52

Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
Mar. 31					1,000	
Apr. 27		J5	900		1,900	

Requirement 4

JOHN MENNING, CPA Trial Balance April 30, 2018			
Acct. No.	Account Title	Balance	
		Debit	Credit
11	Cash	\$ 20,250	
12	Accounts Receivable	7,250	
13	Office Supplies	2,800	
14	Land	29,000	
15	Furniture	4,000	
16	Automobile	11,500	
21	Accounts Payable		\$ 6,100
22	Unearned Revenue		2,500
31	Menning, Capital		57,700
33	Menning, Withdrawals	7,500	
41	Service Revenue		21,600
51	Salaries Expense	3,700	
52	Rent Expense	1,900	
	Total	\$ 87,900	\$ 87,900

P2-39B

Prepare the corrected trial balance as of May 31, 2018. Journal entries are not required.

Solution:

LOVE TO LEARN CHILD CARE Trial Balance May 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 11,000	
Accounts Receivable	16,300	
Office Supplies	2,000	
Prepaid Insurance	4,500	
Equipment	82,500	
Accounts Payable		\$ 4,000
Notes Payable		45,000
Ebony, Capital		54,000
Ebony, Withdrawals	2,300	
Service Revenue		20,300
Salaries Expense	4,000	
Rent Expense	400	
Advertising Expense	300	
Total	\$ 123,300	\$ 123,300

Explanations:

- a. Increase Cash by \$1,800.
- b. Increase Accounts Receivable by \$7,600 ($\$3,800 \times 2$).
- c. Increase Office Supplies and Accounts Payable by \$1,000 each.
- d. Decrease Equipment by \$7,900 ($\$90,400 - \$82,500$).
- e. Decrease Salaries Expense by \$350.
- f. Advertising Expense should have a debit balance of \$300. Decrease Cash by \$300.
- g. Ebony, Withdrawals should decrease by \$1,440 and Cash should increase by \$1,440 ($\$1,600 - \160).
- h. Service Revenue should increase by \$4,000.
- i. Prepaid Insurance should increase by \$2,800 ($\$1,400 \times 2$).

P2-40B

Requirements

1. Prepare the income statement for the month ended July 31, 2018.
2. Prepare the statement of owner's equity for the month ended July 31, 2018. The beginning balance of owner's equity was \$0 and the owner contributed \$20,000 during the month.
3. Prepare the balance sheet as of July 31, 2018.
4. Calculate the debt ratio as of July 31, 2018.

Solution:**Requirement 1**

SHEILA SANCHEZ, REGISTERED DIETICIAN Income Statement Month Ended July 31, 2018	
Revenues:	
Service Revenue	\$ 15,804
Expenses:	
Salaries Expense	\$ 1,600
Rent Expense	700
Utilities Expense	100
Total Expenses	2,400
Net Income	\$ 13,404

Requirement 2

SHEILA SANCHEZ, REGISTERED DIETICIAN Statement of Owner's Equity Month Ended July 31, 2018	
Sanchez, Capital, July 1, 2018	\$ 0
Owner contribution	\$ 20,000
Net income for the month	13,404
	\$ 33,404
Owner withdrawals	(3,000)
Sanchez, Capital, July 31, 2018	\$ 30,404

Requirement 3

SHEILA SANCHEZ, REGISTERED DIETICIAN			
Balance Sheet			
July 31, 2018			
Assets		Liabilities	
Cash	\$ 32,000	Accounts Payable	\$3,400
Accounts Receivable	9,100	Unearned Revenue	1,296
Office Supplies	1,400	Notes Payable	34,000
Prepaid Insurance	2,600	Total Liabilities	38,696
Equipment	24,000		
		Owner's Equity	
		Sanchez, Capital	30,404
		Total Liabilities and	
Total Assets	<u>\$ 69,100</u>	Owner's Equity	<u>\$ 69,100</u>

Requirement 4

Debt ratio = Total liabilities / Total assets = \$38,696 / \$69,100 = 0.56 = 56%

P2-41

Using Excel

Solution:

- 1 The student templates for Using Excel are available online in MyAccountingLab in the Multimedia Library or at <http://www.pearsonhighered.com/Horngren>. The solution to Using Excel is located in MyAccountingLab in the Instructor Resource Center or at <http://www.pearsonhighered.com/Horngren>.

P2-42

Requirements

1. Journalize the transactions for both November and December, using the following accounts: Cash; Accounts Receivable; Office Supplies; Prepaid Rent; Land; Building; Canoes; Accounts Payable; Utilities Payable; Telephone Payable; Unearned Revenue; Notes Payable; Wilson, Capital; Wilson, Withdrawals; Canoe Rental Revenue; Rent Expense; Utilities Expense; Wages Expense; and Telephone Expense. Explanations are not required. (Hint: For November transactions, refer to your answer for Chapter 1.)
2. Open a T-account for each of the accounts.
3. Post the journal entries to the T-accounts and calculate account balances. Formal posting references are not required.
4. Prepare a trial balance as of December 31, 2018.
5. Prepare the income statement of Canyon Canoe Company for the two months ended December 31, 2018.
6. Prepare the statement of owner's equity for the month ended December 31, 2018.
7. Prepare the balance sheet as of December 31, 2018.
8. Calculate the debt ratio for Canyon Canoe Company as of December 31, 2018

Solution:

Requirement 1

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Nov. 1	Cash		16,000	
	Wilson, Capital			16,000
2	Rent Expense		1,200	
	Cash			1,200
3	Canoes		4,800	
	Accounts Payable			4,800
4	Office Supplies		750	
	Accounts Payable			750
5	Cash		1,400	
	Canoe Rental Revenue			1,400
9	Wages Expense		1,500	
	Cash			1,500
12	Dividends		50	
	Cash			50
16	Utilities Expense		150	
	Utilities Payable			150
20	Telephone Expense		175	
	Telephone Payable			175
22	Accounts Receivable		3,000	
	Canoe Rental Revenue			3,000
26	Accounts Payable		1,000	
	Cash			1,000
28	Cash		750	
	Accounts Receivable			750
31	Wilson, Withdrawals		100	
	Cash			100

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Dec. 1	Land		85,000	
	Building		35,000	
	Wilson, Capital			120,000
1	Prepaid Rent		3,000	
	Cash			3,000
2	Canoes		7,200	
	Notes Payable			7,200
4	Office Supplies		500	
	Accounts Payable			500
9	Cash		4,500	
	Canoe Rental Revenue			4,500
15	Accounts Receivable		3,500	
	Canoe Rental Revenue			
16	Cash		750	
	Unearned Revenue			750
5	Utilities Payable		150	
	Telephone Payable		175	
	Cash			325
19	Accounts Payable		2,000	
	Cash			2,000
20	Telephone Expense		325	
	Utilities Expense		295	
	Telephone Payable			325
	Utilities Payable			295
31	Wages Expense		1,800	
	Cash			1,800
31	Wilson, Withdrawals		300	
	Cash			300

Requirements 2 and 3

Cash			
Nov. 1	16,000	1,200	Nov. 2
Nov. 7	1,400	1,500	Nov. 13
Nov. 28	750	50	Nov. 15
Dec. 9	4,500	1,000	Nov. 26
Dec. 16	750	100	Nov. 30
		3,000	Dec. 1
		325	Dec. 18
		2,000	Dec. 19
		1,800	Dec. 31
		300	Dec. 31
Balance	12,125		

Accounts Payable			
Nov. 26	1,000	4,800	Nov. 3
Dec. 19	2,000	750	Nov. 4
		500	Dec. 4
		3,050	Balance

Accounts Receivable			
Nov. 22	3,000	750	Nov. 28
Dec. 15	3,500		
Balance	5,750		

Utilities Payable			
Dec. 18	150	150	Nov. 16
		295	Dec. 20
		295	Balance

Office Supplies			
Nov. 4	750		
Dec. 4	500		
Balance	1,250		

Telephone Payable			
Dec. 18	175	175	Nov. 20
		325	Dec. 20
		325	Balance

Prepaid Rent			
Dec. 1	3,000		
Balance	3,000		

Unearned Revenue			
		750	Dec. 16
		750	Balance

Land			
Dec. 1	85,000		
Balance	85,000		

Notes Payable			
		7,200	Dec. 2
		7,200	Balance

Building			
Dec. 1	35,000		
Balance	35,000		

Wilson, Capital			
		16,000	Nov. 1
		120,000	Dec. 1
		136,000	Balance

Canoes			
Nov. 3	4,800		
Dec. 2	7,200		
Balance	12,000		

Wilson, Withdrawals			
Nov. 15	50		
Nov. 30	100		
Dec. 31	300		
Balance	450		

Canoe Rental Revenue			
		1,400	Nov. 7
		3,000	Nov. 22
		4,500	Dec. 9
		3,500	Dec. 15
		12,400	Balance

Rent Expense			
Nov. 2	1,200		
Balance	1,200		

Wages Expense			
Nov. 13	1,500		
Dec. 31	1,800		
Balance	3,300		

Utilities Expense			
Nov. 16	150		
Dec. 20	295		
Balance	445		

Telephone Expense			
Nov. 20	175		
Dec. 20	325		
Balance	500		

Requirement 4

CANYON CANOE COMPANY Trial Balance December 31, 2018		
Account Title	Balance	
	Debit	Credit
Cash	12,125	
Accounts Receivable	5,750	
Office Supplies	1,250	
Prepaid Rent	3,000	
Land	85,000	
Building	35,000	
Canoes	12,000	
Accounts Payable		3,050
Utilities Payable		295
Telephone Payable		325
Unearned Revenue		750
Notes Payable		7,200
Wilson, Capital		136,000
Wilson, Withdrawals	450	
Canoe Rental Revenue		12,400
Rent Expense	1,200	
Wages Expense	3,300	
Utilities Expense	445	
Telephone Expense	500	
Total	\$160,020	\$160,020

Requirement 5

CANYON CANOE COMPANY Income Statement Month Ended December 31, 2018		
Revenues:		
Canoe Rental Revenue		\$ 12,400
Expenses:		
Wages Expense	\$ 3,300	
Rent Expense	1,200	
Telephone Expense	500	
Utilities Expense	445	
Total Expenses		5,445
Net Income		\$ 6,955

Requirement 6

CANYON CANOE COMPANY Statement of Owner's Equity Month Ended December 31, 2018	
Wilson, Capital, November 1, 2018	\$ 0
Owner contribution	136,000
Net income for the month	6,955
	142,955
Owner withdrawals	(450)
Wilson, Capital, December 31, 2018	<u>\$ 142,505</u>

Requirement 7

CANYON CANOE COMPANY			
Balance Sheet			
December 31, 2018			
Assets		Liabilities	
Cash	\$12,125	Accounts Payable	\$3,050
Accounts Receivable	5,750	Utilities Payable	295
Office Supplies	1,250	Telephone Payable	325
Prepaid Rent	3,000	Unearned Revenue	750
Land	85,000	Notes Payable	7,200
Building	35,000	Total Liabilities	11,620
Canoes	12,000		
		Owner's Equity	
		Wilson, Capital	142,505
		Total Liabilities and Owner's	
Total Assets	<u>\$154,125</u>	Equity	<u>\$ 154,125</u>

Requirement 8

Debt ratio = Total liabilities / Total assets = \$11,620 / \$154,125 = 0.075* = 7.5%
* rounded

P2-43

Requirements

1. Journalize the transactions, using the following accounts: Cash; Accounts Receivable; Cleaning Supplies; Prepaid Rent; Prepaid Insurance; Equipment; Truck; Accounts Payable; Unearned Revenue; Notes Payable; Hideaway, Capital; Hideaway, Withdrawals; Service Revenue; Salaries Expense; Advertising Expense; and Utilities Expense. Explanations are not required.
2. Open a T-account for each account.
3. Post the journal entries to the T-accounts and calculate account balances. Formal posting references are not required.
4. Prepare a trial balance as of November 30, 2018.

Solution:**Requirement 1**

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Nov. 1	Cash		15,000	
	Truck		3,000	
	Hideaway, Capital			18,000
2	Prepaid Rent		4,000	
	Cash			4,000
3	Prepaid Insurance		4,800	
	Cash			4,800
4	Cleaning Supplies		320	
	Accounts Payable			320
5	Equipment		1,500	
	Accounts Payable			1,500
7	Equipment		3,900	
	Cash			3,900
9	Accounts Receivable		4,700	
	Service Revenue			4,700

Date	Accounts and Explanation	Posting Ref.	Debit	Credit
Nov. 10	Cash		200	
	Accounts Receivable			200
15	Salaries Expense		400	
	Cash			400
16	Cash		15,000	
	Unearned Revenue			15,000
17	Cash		400	
	Service Revenue			400
18	Utilities Expense		175	
	Accounts Payable			175
20	Cash		36,000	
	Notes Payable			36,000
21	Cash		500	
	Accounts Receivable			500
25	Accounts Payable		750	
	Cash			750
29	Advertising Expense		200	
	Cash			200
30	Hideaway, Withdrawals		1,400	
	Cash			1,400

Requirements 2 and 3

Cash			
Nov. 1	15,000	4,000	Nov. 2
Nov. 10	200	4,800	Nov. 3
Nov. 16	15,000	3,900	Nov. 7
Nov. 17	400	400	Nov. 15
Nov. 20	36,000	750	Nov. 25
Nov. 21	500	200	Nov. 29
		1,400	Nov. 30
Balance	51,650		

Accounts Payable			
Nov. 25	750	320	Nov. 4
		1,500	Nov. 5
		175	Nov. 18
		1,245	Balance

Accounts Receivable			
Nov. 9	4,700	200	Nov. 10
		500	Nov. 21
Balance	4,000		

Unearned Revenue			
		15,000	Nov. 16
		15,000	Balance

Cleaning Supplies			
Nov. 4	320		
Balance	320		

Notes Payable			
		36,000	Nov. 20
		36,000	Balance

Prepaid Rent			
Nov. 2	4,000		
Balance	4,000		

Hideaway, Capital			
		18,000	Nov. 1
		18,000	Balance

Prepaid Insurance			
Nov. 3	4,800		
Balance	4,800		

Hideaway, Withdrawals			
Nov. 30	1,400		
Balance	1,400		

Equipment			
Nov. 5	1,500		
Nov. 7	3,900		
Balance	5,400		

Service Revenue			
		4,700	Nov. 9
		400	Nov. 17
		5,100	Balance

Truck			
Nov. 1	3,000		
Balance	3,000		

Salaries Expense			
Nov. 15	400		
Balance	400		

Utilities Expense			
Nov. 18	175		
Balance	175		

Advertising Expense			
Nov. 29	200		
Balance	200		

Requirement 4

CRYSTAL CLEAR CLEANING Trial Balance November 30, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$51,650	
Accounts Receivable	4,000	
Cleaning Supplies	320	
Prepaid Rent	4,000	
Prepaid Insurance	4,800	
Equipment	5,400	
Truck	3,000	
Accounts Payable		\$1,245
Unearned Revenue		15,000
Notes Payable		36,000
Hideaway, Capital		18,000
Hideaway, Withdrawal	1,400	
Service Revenue		5,100
Salaries Expense	400	
Advertising Expense	200	
Utilities Expense	175	
Total	\$ 75,345	\$ 75,345

Tying It All Together

1. Suppose Fry's Electronics, Inc. provides \$10,500 of computer support at the Dallas-Fort Worth store during the month of November. How would Fry's Electronics record this transaction? Assume all customers paid in cash. What financial statement(s) would this transaction affect?
2. Assume Fry's Electronics, Inc.'s Modesto, California, location received \$24,000 for an annual contract to provide computer support to the local city government. How would Fry's Electronics record this transaction? What financial statement(s) would this transaction affect?
3. What is the difference in how revenue is recorded in requirements 1 and 2? Clearly state when revenue is recorded in each requirement.

Solution:**Requirement 1**

Fry's Electronics would record the following journal entry:

Date	Accounts and Explanation	Debit	Credit
	Cash	10,500	
	Service Revenue		10,500

The transaction would increase assets (Cash) and equity (Retained Earnings) on the balance sheet and increase Service Revenue on the income statement.

Requirement 2

Fry's Electronics would record the following journal entry:

Date	Accounts and Explanation	Debit	Credit
	Cash	24,000	
	Unearned Revenue		24,000

The transaction would increase assets (Cash) and increase liabilities (Unearned Revenue) on the balance sheet.

Requirement 3

In requirement 1, Fry's Electronics recorded revenue because the company had received the cash from the customer and provided the service. In requirement 2, Fry's Electronics recorded a liability, Unearned Revenue, because even though cash was received, the service has not been provided. The revenue related to requirement 2 will not be recorded until the service has been provided.

Decision Case 2-1

Requirements

1. Open the following T-accounts: Cash; Accounts Receivable; Office Supplies; Accounts Payable; McChesney, Capital; Service Revenue; Salaries Expense; Rent Expense; and Advertising Expense.
2. Post the transactions directly to the accounts without using a journal. Record each transaction by letter. Calculate account balances.
3. Prepare a trial balance at June 30, 2018.
4. Compute the amount of net income or net loss for this first month of operations. Would you recommend that McChesney continue in business?

Solution:

Requirements 1 and 2

Cash			
a.	10,000	300	b.
f.	1,200	2,400	d.
Bal.	8,500		

Accounts Payable			
		700	c.
		700	Bal.

Accounts Receivable			
e.	8,800	1,200	f.
Bal.	7,600		

McChesney, Capital			
		10,000	a.
		10,000	Bal.

Office Supplies			
b.	300		
Bal.	300		

Service Revenue			
		8,800	e.
		8,800	Bal.

Rent Expense			
d.	1,000		
Bal.	1,000		

Salaries Expense			
d.	1,400		
Bal.	1,400		

Advertising Expense			
c.	700		
Bal.	700		

Requirement 3

A-PLUS TRAVEL PLANNERS Trial Balance June 30, 2018		
Account Title	Balance	
	Debit	Credit
Cash	\$ 8,500	
Accounts Receivable	7,600	
Office Supplies	300	
Accounts Payable		\$ 700
McChesney, Capital		10,000
Service Revenue		8,800
Salaries Expense	1,400	
Rent Expense	1,000	
Advertising Expense	700	
Total	\$ 19,500	\$ 19,500

Requirement 4

Revenues:		\$ 8,800
Service Revenue		
Expenses:	\$ 1,400	
Salaries Expense	1,000	
Rent Expense	700	
Advertising Expense		3,100
Total Expenses		\$ 5,700
Net Income		

McChesney should discontinue the business because net income falls below the target amount.

Ethical Issue 2-1

What is the ethical issue in this situation, if any? State why you approve or disapprove of Henson's management of Better Days Ahead's funds.

Solution:

The bank has a standing agreement with Better Days Ahead for overdrafts, so as long as transactions are compliant with terms of the agreement, there is no ethical issue. The exercise refers to Better Days Ahead managing funds “wisely.” However, whether funds are managed wisely or not is a matter of prudent business management and not an ethical issue. Presumably if Better Days Ahead was exceeding the terms of the agreement, the bank would cancel the arrangement.

Some students may point out that the agreement was for times when donations were running low, whereas the reasons given for the overdraft are for expansion and fundraising. If this is interpreted to mean that Better Days Ahead is abusing the privilege according to the terms of the agreement, then there may be an ethical issue involved, but that is not made clear by the information given.

Students may approve of Henson's cash management if the arrangement is beneficial to Better Days Ahead, and thus helps them accomplish their charitable mission more effectively. Students may disapprove of Henson's cash management if (a) they feel it is "unwise" (poor business management), or (b) if they believe he is exceeding the terms of the agreement.

Fraud Case 2-1**Requirements**

1. How did the change in the journal entries affect the net income of the company at year-end?
2. Who gained and who lost as a result of these actions?

Solution:**Requirement 1**

By changing an expense to an asset, the total expenses will decrease and net income will increase.
--

Requirement 2

The CEO gained by earning a bonus, and the accounting manager may have gained by getting favorable treatment from the CEO. The shareholders of the company lost, because the company paid out the bonus under fraudulent conditions.

Financial Statement Case 2-1**Requirement**

1. Calculate the debt ratio for Target Corporation as of January 30, 2016.
2. How did the debt ratio for Target Corporation compare to the debt ratio for Kohl's Corporation? Discuss.

Solution:**Requirement 1**

Debt ratio = Total liabilities / Total assets
= \$27,305 (in millions) / \$40,262 (in millions)
= 0.678* = 67.8%
* rounded

Requirement 2

Target's debt ratio is significantly higher than Kohl's (59.6%).

Communication Activity 2-1

In 35 words or fewer, explain the difference between a debit and a credit, and explain what the normal balance of the six account types is.

Solution:

Debits are on the left, credits are on the right. Normal balance for assets,
expenses, and Owner's Withdrawals is a debit. For liability,
Owner's Capital, and revenue accounts, the normal balance is a credit.

Chapter 2

Recording Business Transactions

Chapter 2: Overview

The chapter introduces the account and then briefly describes specific asset, liability, and equity accounts. The chart of accounts is presented as a way to organize accounts, and the ledger is introduced as a tool for maintaining the accounts. The concept of double-entry accounting and the rules of debit and credit for increasing or decreasing assets, liabilities, and equity are described. The rules of debit and credit are then expanded to include specific types of equity accounts. The normal balances of accounts are explained. The T-account is illustrated. The accounting equation is tied to the rules of debit and credit.

The flow of accounting data is illustrated from the occurrence of a transaction through recording of the transaction. The process of recording transactions (journalizing) is presented. A series of entries are analyzed, journalized, and posted to T-accounts in the ledger. The four-column account is introduced. The trial balance is defined and illustrated. Some typical accounting errors revealed by a trial balance are described. How the debt ratio is used to evaluate business performance is discussed.

An Ethics feature helps give real-world perspective on the importance of source documents. The Tying It All Together feature focusses on Fry's Electronics, Inc. A Decisions feature helps students see how the debt ratio can be used to make a real-world decision. The Review section includes Things You Should Know, which highlights the information students should have acquired from the chapter. A Check Your Understanding reviews opening accounts, journalizing, posting, and preparing a trial balance. A list of Key Terms is provided. A Quick Check gives students a chance to assess their knowledge of the chapter learning objectives.

Chapter 2: Learning Objectives

LO 1. Explain accounts as they relate to the accounting equation and describe common accounts

LO 2. Define debits, credits, and normal account balances using double-entry accounting and T-accounts

LO 3. Record transactions in a journal and post journal entries to the ledger

LO 4. Prepare the trial balance and illustrate how to use the trial balance to prepare financial statements

LO 5. Use the debt ratio to evaluate business performance

Chapter 2: Teaching Outline with Lecture Notes

LO 1. Explain accounts as they relate to the accounting equation and describe common accounts

- a) Review the accounting equation
- b) Review the following terms and give examples of common accounts:
 - i. Account
 - ii. Assets
 - Exhibit 2-1: Asset Accounts
 - iii. Liabilities
 - Exhibit 2-2: Liability Accounts
 - iv. Equity
 - Exhibit 2-3: Equity Accounts
 - v. Chart of accounts
 - Exhibit 2-4: Chart of Accounts—Smart Touch Learning
 - vi. Ledger

Lecture Notes: An understanding of Chapter 2 is essential for student success in the remaining financial accounting chapters. Spend adequate time in the beginning with accounting terminology. Accounting is a “foreign” language to many students, and, as is the case with a real foreign language, you must start with the basics.

Students seem to understand assets and liabilities more easily than they understand equity. An asset can be touched, and a liability can be confirmed by looking at an invoice, but equity is conceptual. Equity is the residual owner’s claims to the business assets—what is left over after liabilities are subtracted from assets. Students may own a car or home that has an outstanding loan or mortgage, so it may be helpful to ask them to think about their personal equity for their car or home.

Suggested In-Class Exercise: E2-11

LO 2. Define debits, credits, and normal account balances using double-entry accounting and T-accounts

- a) Double-entry system
- b) The T-account
- c) The accounting equation and the rules of debit and credit

- d) Increases and decreases in the accounts
- e) Expanding the rules of debit and credit
- f) The normal balance of an account

- Exhibit 2-5: Rules of Debit and Credit and Normal Balances for Each Account Type

- g) Determining the balance of a T-account

Lecture Notes: Keep it simple when discussing T-accounts and the rules of debit and credit. Emphasize that in accounting, *debit* means left side, and *credit* means right side—nothing more. Point out that students may have heard the terms used in other contexts, such as credit reports and debit cards, but these are different meanings of the words *debit* and *credit*. Furthermore, *debit* does not mean increase, and *credit* does not mean decrease. Increases and decreases depend on the account type.

Emphasize that *every* basic accounting transaction affects at least two accounts, with at least one account to be debited and at least one account to be credited. Every journal entry must balance (debits = credits) in order for the accounting system to accurately generate correct and useful information. An incorrect journal entry that is posted to the correct accounts will still produce incorrect information.

An account can have only one balance. Debits and credits within the same account are subtracted to determine the account balance, just like positives and negatives from a mathematical standpoint. The normal balance is the side used to record increases in the account.

Suggested In-Class Exercise: E2-13

LO 3. Record transactions in a journal and post journal entries to the ledger

- a) Define the following terms:

- i. Source documents
- ii. Journal
- iii. Posting

- Exhibit 2-6: Flow of Accounting Data

- b) Introduce the five steps of journalizing and posting
- c) Journalize and post with 17 specific Smart Touch Learning examples
- d) The ledger accounts after posting

- Exhibit 2-7: Smart Touch Learning's Accounts After Posting Journal Entries in November and December

e) The four-column account: An alternative to the T-account

- Exhibit 2-8: T-Account Versus Four-Column Account
- Exhibit 2-9: Posting References

Lecture Notes: When discussing the posting process, emphasize the need to be very careful when transferring amounts to the ledger. It is common for students to reverse a posting and record a debit as a credit or vice versa. A debit is placed on the left side, and a credit is placed on the right side. Also, relate to them that transposing digits during the posting process is a common mistake. For example, a transaction might be for \$630 and recorded in the journal as \$630 but posted to the ledger as \$360. If the trial balance doesn't balance, it is common for students to have reversed a posting or transposed digits. For this reason, it is important to include dates and/or transaction numbers linking the journal entry to the ledger account to more easily trace those errors.

Suggested In-Class Exercises: E2-16 and E2-17

LO 4. Prepare the trial balance and illustrate how to use the trial balance to prepare financial statements

a) Define a trial balance

- Exhibit 2-10: Trial Balance

b) Preparing financial statements from the trial balance

- Exhibit 2-11: Smart Touch Learning's Financial Statements

c) Correcting trial balance errors

Lecture Notes: It may be helpful for students to view the accounting system from both ends. The natural process is to journalize transactions, post entries, and prepare a trial balance. However, once the chapter content is discussed, you can also begin with the trial balance and have students trace back to the ledger and journal to find a specific transaction. They may also get experience doing this when correcting a trial balance that does not balance.

Suggested In-Class Exercise: E2-22

LO 5. Use the debt ratio to evaluate business performance

a) Define the debt ratio and explain how it is calculated

Lecture Notes: Remind student about the accounting equation: $\text{Assets} = \text{Liabilities} + \text{Equity}$. This makes it clear that the debt ratio represents the proportion of the total assets that "belong" to the creditors of the business. Conversely, $1 - \text{Debt ratio}\%$ is the proportion of the assets that belong to the owners of the business.

Suggested In-Class Exercise: E2-28

Chapter 2: Handout for Student Notes

LO 1. What is an account?

- Assets
- Liabilities
- Equity
- Chart of accounts
- Ledger

LO 2. What is double-entry accounting?

- The T-account
- Increases and decreases in the accounts
- Expanding the rules of debit and credit
- The normal balance of an account
- Determining the balance of a T-account

LO 3. How do you record transactions?

- Source documents—The origin of the transactions
- Journalizing and posting transactions:
 - Transaction 1—Owner contribution
 - Transaction 2—Purchase of land for cash
 - Transaction 3—Purchase of office supplies on account
 - Transaction 4—Earning of service revenue for cash
 - Transaction 5—Earning of service revenue on account
 - Transaction 6—Payment of expenses with cash
 - Transaction 7—Payment on account (Accounts Payable)
 - Transaction 8—Collection on account (Accounts Receivable)
 - Transaction 9— Owner withdrawal of cash
 - Transaction 10—Prepaid expenses

- Transaction 11—Payment of expense with cash
 - Transaction 12—Purchase of building with notes payable
 - Transaction 13—Owner contribution
 - Transaction 14—Accrued liability
 - Transaction 15—Payment of expense with cash
 - Transaction 16—Unearned revenue
 - Transaction 17—Earning of service revenue for cash
- The ledger accounts after posting
 - The four-column account: An alternative to the T-account

LO 4. What is the trial balance?

- Preparing financial statements from the trial balance
- Correcting trial balance errors

LO 5. How do you use the debt ratio to evaluate business performance?

Chapter 2: Student Chapter Summary

LO 1. Explain accounts as they relate to the accounting equation and describe common accounts

An account is a detailed record of all increases and decreases that have occurred in an individual asset, liability, or equity during a specific period. Common asset accounts include Cash, Accounts Receivable, Notes Receivable, Prepaid Expense, Land, Building, and Furniture. Common liability accounts include Accounts Payable, Notes Payable, Accrued Liability, and Unearned Revenue. Equity accounts include Owner Capital, Owner Withdrawals, Revenues, and Expenses. A chart of accounts lists a company's accounts along with account numbers. A ledger shows the increases and decreases in each account along with their balances.

LO 2. Define debits, credits, and normal account balances using double-entry accounting and T-accounts

Double-entry accounting requires transactions to be recorded into at least two accounts. The T-account is shaped like a capital *T*, with debits posted to the left side of the vertical line and credits posted to the right side of the vertical line. T-accounts represent ledger accounts. In accounting, *debit* means left side of the account, and *credit* means right side of the account. Assets, Expenses, and Owner Withdrawals are increased with a debit and decreased with a credit. Liabilities, Owner Capital, and Revenues are increased with a credit and decreased with a debit. The normal balance of an account is the increase side of that account.

LO 3. Record transactions in a journal and post journal entries to the ledger

Source documents provide the evidence and data for transactions. Transactions are recorded in a journal, and then the journal entries are posted (transferred) to the ledger. Transactions are journalized and posted using five steps:

- Step 1. Identify the accounts and the account type (asset, liability, and equity).
- Step 2. Decide whether each account increases or decreases, then apply the rules of debits and credits.
- Step 3. Record the transaction in the journal.
- Step 4. Post the journal entry to the ledger.
- Step 5. Determine whether the accounting equation is in balance.

LO 4. Prepare the trial balance and use the trial balance to prepare financial statements

The trial balance summarizes the ledger by listing all the accounts with their balances. Assets are listed first, followed by liabilities, and then equity. The trial balance ensures that debits equal credits and is used to prepare the financial statements.

LO 5. Use the debt ratio to evaluate business performance

The debt ratio, calculated as $\text{Total liabilities} / \text{Total assets}$, is used to evaluate a business's ability to pay its debts.

Chapter 2: Assignment Grid and Other Materials

	LO 1	LO 2	LO 3	LO 4	LO 5
S2-1	X				
S2-2		X			
S2-3		X			
S2-4		X			
S2-5			X		
S2-6			X		
S2-7			X		
S2-8				X	
S2-9					X
E2-10	X	X	X	X	
E2-11	X				
E2-12	X	X			
E2-13		X			
E2-14			X		
E2-15			X		
E2-16			X		
E2-17			X		
E2-18			X		
E2-19			X		
E2-20			X		
E2-21			X		
E2-22				X	
E2-23				X	
E2-24			X	X	
E2-25				X	
E2-26				X	
E2-27				X	
E2-28					X
P2-29A, P2-35B			X	X	
P2-30A, P2-36B			X	X	
P2-31A, P2-37B			X	X	
P2-32A, P2-38B			X	X	
P2-33A, P2-39B				X	
P2-34A, P2-40B				X	X

S – Short Exercises (*Easy*)

E – Exercises (*Moderate*)

P – Problems (*Difficult*)

Other End-of-Chapter Materials:

Using Excel P2-41
Continuing Problem P2-42
Practice Set P2-43
Tying It All Together Case 2-1
Decision Case 2-1
Ethical Issue 2-1
Fraud Case 2-1
Financial Statement Case 2-1
Communication Activity 2-1

CHAPTER 2
TEN-MINUTE QUIZ

Circle the letter of the best response.

1. Which of the following is a collection of all the accounts, the changes in those accounts, and their balances?
 - A. Balance sheet
 - B. Ledger
 - C. Journal
 - D. Trial balance
2. Which of the following statements is correct?
 - A. Service Revenue is increased with a debit.
 - B. Accounts Receivable is decreased with a debit.
 - C. Unearned Revenue is increased with a credit.
 - D. Owner Capital is decreased with a credit.
3. Suppose Howard Company has Furniture totaling \$158,000, Cash of \$18,000, and a \$64,000 Note Payable. In addition, the business has Accounts Payable of \$52,000 and Accounts Receivable of \$43,000. How much is Howard's owner's equity?
 - A. \$231,000
 - B. \$145,000
 - C. \$121,000
 - D. \$103,000
4. Amada Company billed a customer for \$5,500 of services provided on account. This transaction appears in T-accounts as follows:

A.	<table><tr><td>Service Revenue</td><td></td></tr><tr><td>5,500</td><td> </td></tr></table>	Service Revenue		5,500		<table><tr><td>Accounts Payable</td><td></td></tr><tr><td></td><td> 5,500</td></tr></table>	Accounts Payable			5,500
Service Revenue										
5,500										
Accounts Payable										
	5,500									
B.	<table><tr><td>Service Revenue</td><td></td></tr><tr><td></td><td> 5,500</td></tr></table>	Service Revenue			5,500	<table><tr><td>Accounts Payable</td><td></td></tr><tr><td>5,500</td><td> </td></tr></table>	Accounts Payable		5,500	
Service Revenue										
	5,500									
Accounts Payable										
5,500										
C.	<table><tr><td>Service Revenue</td><td></td></tr><tr><td></td><td> 5,500</td></tr></table>	Service Revenue			5,500	<table><tr><td>Accounts Receivable</td><td></td></tr><tr><td>5,500</td><td> </td></tr></table>	Accounts Receivable		5,500	
Service Revenue										
	5,500									
Accounts Receivable										
5,500										
D.	<table><tr><td>Service Revenue</td><td></td></tr><tr><td>5,500</td><td> </td></tr></table>	Service Revenue		5,500		<table><tr><td>Accounts Receivable</td><td></td></tr><tr><td></td><td> 5,500</td></tr></table>	Accounts Receivable			5,500
Service Revenue										
5,500										
Accounts Receivable										
	5,500									

5. Barstock, Inc., began the year with total assets of \$177,000 and liabilities of \$112,000. During the year, the business earned revenue of \$103,000 and incurred expenses of \$48,000. The owner withdrew cash of \$24,000, and no additional contributions were made. How much is owner's equity at year-end?
- \$120,000
 - \$96,000
 - \$79,000
 - \$31,000
6. Hughes Copies, Inc., erroneously recorded a purchase of equipment on account by debiting Equipment and crediting Cash. What will be an effect of this error on the trial balance?
- Liabilities understated
 - Cash overstated
 - Equipment overstated
 - Equipment understated
7. Terry Baxter is the owner of Alpha Company. Baxter provided Alpha Company with \$75,000 of computer equipment. The journal entry to record this transaction is as follows:

	Accounts and Explanations	Debit	Credit
A.	Baxter, Capital	75,000	
	Equipment Expense		75,000
B.	Equipment Expense	75,000	
	Baxter, Capital		75,000
C.	Equipment	75,000	
	Baxter, Capital		75,000
D.	Baxter, Capital	75,000	
	Equipment		75,000

8. Which journal entry records a \$5,500 payment for office supplies that were previously purchased on account?

	Accounts and Explanations	Debit	Credit
A.	Cash	5,500	
	Accounts Receivable		5,500
B.	Cash	5,500	
	Accounts Payable		5,500
C.	Accounts Receivable	5,500	
	Cash		5,500
D.	Accounts Payable	5,500	
	Cash		5,500

9. What is the detailed record of all increases and decreases that have occurred in a specific individual asset, liability, or equity during a specific period?
- A. Ledger
 - B. Trial balance
 - C. Account
 - D. Journal
10. A company has \$72,000 in liabilities and \$98,000 in equity. What is the debt ratio?
- A. 26.5%
 - B. 42.4%
 - C. 73.5%
 - D. 136.1%

Answer Key to Ten-Minute Quiz:

1. B

2. C

3. D

Assets		=	Liabilities		+	Owner's Equity	
Accounts Receivable	\$ 43,000		Accounts Payable	\$ 52,000			
Cash	18,000		Note Payable	64,000			
Furniture	158,000						
Total	<u>\$ 219,000</u>		Total	<u>\$ 116,000</u>		Total	<u>?</u>

Assets = Liabilities + Owner's equity; therefore, Owner's equity = Assets – Liabilities

Owner's equity = \$219,000 – \$116,000 = \$103,000

4. C

5. B

Assets = Liabilities + Owner's equity; therefore, Owner's equity = Assets – Liabilities

Owner's equity at the beginning of the year = \$177,000 – \$112,000 = \$65,000

Owner capital, beginning of year	\$ 65,000
Net income earned during the year (revenue – expenses)	<u>55,000</u>
	120,000
Owner withdrawal	<u>(24,000)</u>
Owner capital, end of year	<u>\$ 96,000</u>

6. A

7. C

8. D

9. C

10. B

Debt ratio = Total liabilities / Total assets* = \$72,000 / \$170,000 = 42.4%

*Total assets = Liabilities + Equity = \$72,000 + 98,000 = \$170,000

Extra Critical Thinking Questions

Decision Case 2-2

Answer the following questions. Consider each question separately.

Requirements

1. Explain the advantages of double-entry bookkeeping instead of recording transactions in terms of the accounting equation to a friend who is opening a used book store.
2. When you deposit money in your bank account, the bank credits your account. Is the bank misusing the word *credit* in this context? Why does the bank use the term *credit* instead of *debit* to refer to your deposit?

Decision Case 2-2: Solution

Requirement 1

The advantage of double-entry bookkeeping is that it provides an arithmetic check on the accounting transactions; the total debits and total credits have to equal, and something is wrong if they don't. Double-entry bookkeeping can also handle a higher number of transactions than using the accounting equation.

Requirement 2

The bank uses the term *credit your account* when you deposit money because it is crediting a liability on its books. It owes you the funds that you just deposited.

Team Project 2-1

Contact a local business and arrange with the owner to learn what accounts the business uses.

Requirements

1. Obtain a copy of the business's chart of accounts.
2. Prepare the company's financial statements for the most recent month, quarter, or year. (You may omit the statement of cash flows.) You may use either made-up account balances or balances supplied by the owner.

If the business has a large number of accounts within a category, combine related accounts and report a single amount on the financial statements. For example, the company may have several Cash accounts. Combine all Cash amounts and report a single Cash amount on the balance sheet. You will probably encounter numerous accounts that you have not yet learned about. Deal with them as best you can. Keep in mind that the financial statements report the balances of the accounts listed in the company's chart of accounts, either by individual account or in summarized categories. Therefore, the financial statements must be consistent with the chart of accounts.

Team Project 2-1: Solution

Requirements 1 and 2

Student answers will vary widely, as the various groups use the charts of accounts of different businesses. The financial statements that the students prepare should be consistent with the business's chart of accounts.

Chapter 2

Recording Business Transactions

Directed Reading Guide

LO1. What is an account?

- a) In your own words, what is an *account*?
 - i) Assets: List some examples of assets.
 - ii) Liabilities: List some examples of liabilities.
 - iii) Equity: List the four equity accounts.
- b) In your own words, what is a *chart of accounts*?
- c) In your own words, what is a *ledger*?

In MyAccountingLab, complete Try It! 2-1 and S2-1.

LO2. What is double-entry accounting?

- a) Draw a T-account and label the debit and credit side.

- b) Fill in the expanded accounting equation with Debit (DR), Credit (CR), and Increase (Inc.) and Decrease (Dec.).

Assets	=	Liabilities	+	Equity		
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
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Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals
Assets	=	Liabilities	+	Owner, Capital	-	Owner, Withdrawals

- c) Fill in the normal balance of the account

Account type	Normal Balance
Asset	<i>Debit</i>
Expenses	
Owner, Withdrawals	
Liabilities	
Revenues	
Owner, Capital	

- d) Determining the balance in the following T-account

Cash	
25,000	1,000
2,000	3,000

In MyAccountingLab, complete Try It! 2-2 and S2-2, S2-3, and S2-4.

LO3. How do you record transactions?

- a) In your own words, define the following terms:
- a. *Source documents*
 - b. *Journal*
 - c. *Posting*

- b) What are the steps for journalizing and posting?

In MyAccountingLab, complete Try It! 2-3 and S2-5.

LO4. What is the trial balance?

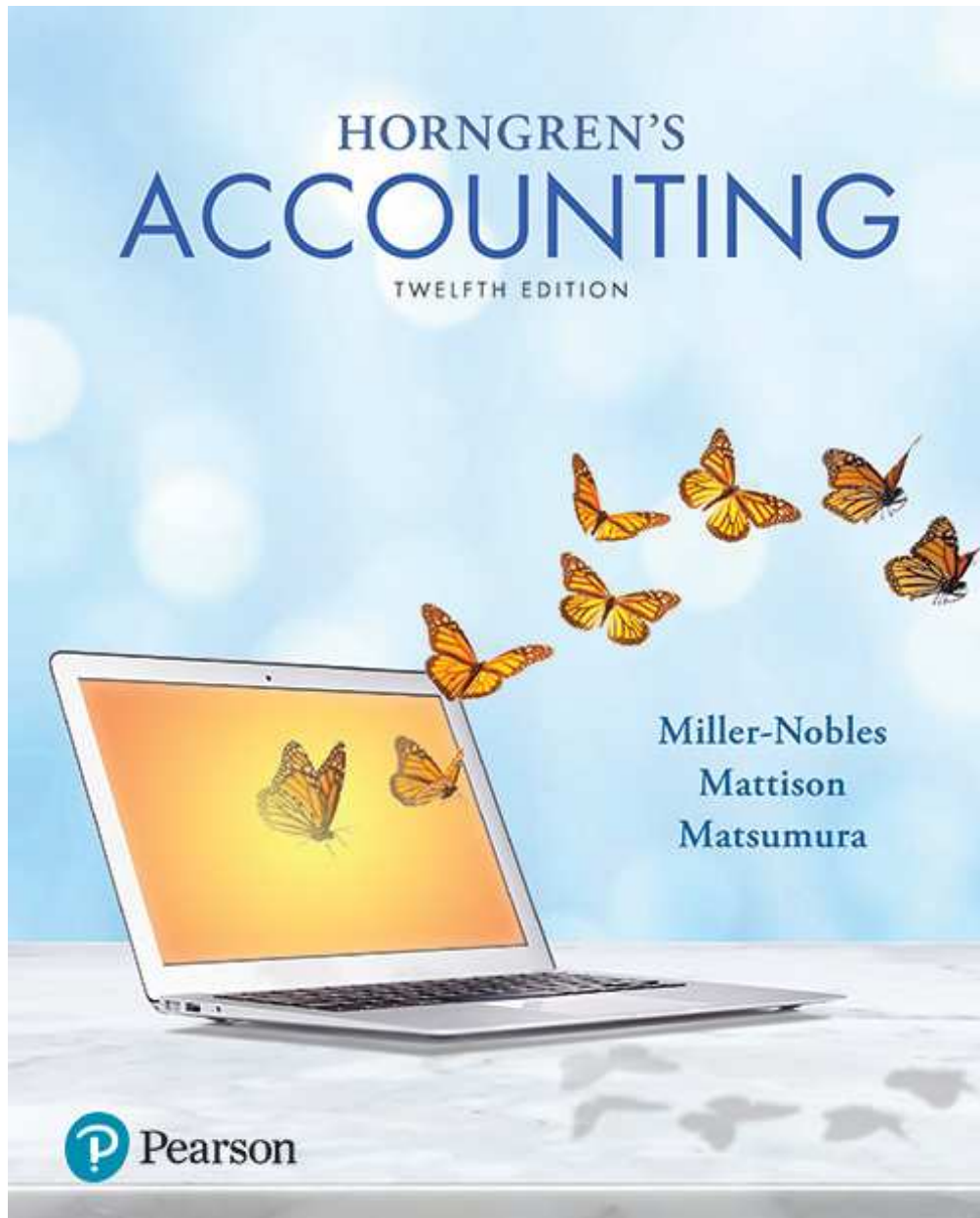
- a) In your own words, what is a *trial balance*?

In MyAccountingLab, complete Try It! 2-4 and S2-8.

LO5. Use the debt ratio to evaluate business performance

- a) Write the formula for the debt ratio.
- b) What does the debt ratio show?

In MyAccountingLab, complete Try It! 2-5 and S2-9.



Chapter 2

Recording Business Transactions

Chapter 2 Learning Objectives



1. Explain accounts as they relate to the accounting equation and describe common accounts
2. Define debits, credits, and normal account balances using double-entry accounting and T-accounts
3. Record transactions in a journal and post journal entries to the ledger

Chapter 2 Learning Objectives



4. Prepare the trial balance and illustrate how to use the trial balance to prepare financial statements
5. Use the debt ratio to evaluate business performance

Learning Objective 1



Explain accounts as they relate to the accounting equation and describe common accounts

WHAT IS AN ACCOUNT?

$$\text{Assets} = \text{Liabilities} + \text{Equity}$$

- The accounting equation contains three categories: assets, liabilities, and equity. Each part contains accounts.
- An **account** is a detailed record of all increases and decreases that have occurred in an asset, liability, or equity during a specified period.

Assets

Exhibit 2-1 | Asset Accounts

Account Name	Explanation
Cash	A business's money. Includes bank balances, bills, coins, and checks.
Accounts Receivable	A customer's promise to pay in the future for services or goods sold. Often described as "On Account."
Notes Receivable	A <i>written</i> promise that a customer will pay a fixed amount of money and <i>interest</i> by a certain date in the future. Usually more formal than an Accounts Receivable.
Prepaid Expense	A payment of an expense in advance. It is considered an asset because the prepayment provides a benefit in the future. Examples of prepaid expenses are <i>Prepaid Rent</i> , <i>Prepaid Insurance</i> , and <i>Office Supplies</i> .
Land	The cost of land a business uses in operations.
Building	The cost of an office building, a store, or a warehouse.
Equipment, Furniture, and Fixtures	The cost of equipment, furniture, and fixtures (such as light fixtures and shelving). A business has a separate asset account for each type.

Liabilities

Exhibit 2-2 | Liability Accounts

Account Name	Explanation
Accounts Payable	A promise made by the business to pay a debt in the future. Arises from a credit purchase.
Notes Payable	A <i>written</i> promise made by the business to pay a debt, usually involving <i>interest</i> , in the future.
Accrued Liability	An amount owed but not paid. A specific type of payable such as <i>Taxes Payable</i> , <i>Rent Payable</i> , and <i>Salaries Payable</i> .
Unearned Revenue	Occurs when a company receives cash from a customer but has not provided the product or service. The promise to provide services or deliver goods in the future.

Equity

Exhibit 2-3 | Equity Accounts

Account Name	Explanation
Owner, Capital	Represents the net contributions of the owner in the business. Increases equity.
Owner, Withdrawals	Distributions of cash or other assets to the owner. Decreases equity.
Revenues	Earnings that result from delivering goods or services to customers. Increases equity. Examples include <i>Service Revenue</i> and <i>Rent Revenue</i> .
Expenses	The cost of selling goods or services. Decreases equity. Examples include <i>Rent Expense</i> , <i>Salaries Expense</i> , and <i>Utilities Expense</i> .

Chart of Accounts

Exhibit 2-4 | Chart of Accounts—Smart Touch Learning

Balance Sheet and Statement of Owner's Equity Accounts		
Assets	Liabilities	Equity
101 Cash	201 Accounts Payable	301 Owner, Capital
111 Accounts Receivable	211 Salaries Payable	311 Owner, Withdrawals
121 Notes Receivable	221 Interest Payable	
141 Office Supplies	231 Unearned Revenue	
151 Land	241 Notes Payable	
171 Building		
191 Furniture		
	Income Statement Accounts (Part of Equity)	
	Revenues	Expenses
	401 Service Revenue	501 Rent Expense
	411 Interest Revenue	511 Salaries Expense
		521 Utilities Expense
		531 Advertising Expense

A **chart of accounts** is used to organize a company's accounts.

A **ledger** is a record holding all the accounts of a business, the changes in those accounts, and their balances.

Learning Objective 2



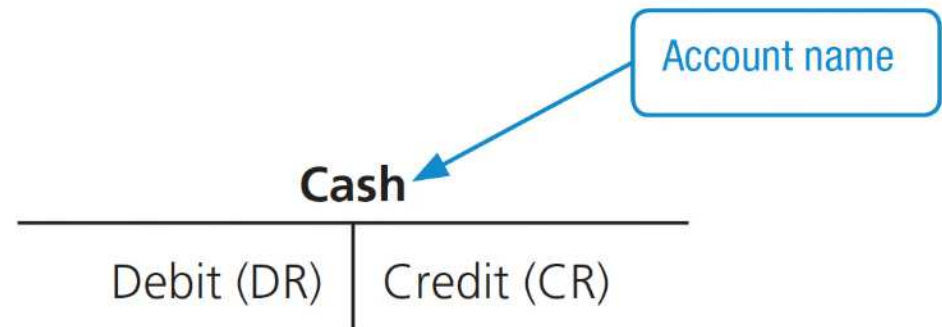
Define debits, credits, and normal account balances using double-entry accounting and T-accounts

WHAT IS DOUBLE-ENTRY ACCOUNTING?

- Transactions always involve at least two accounts.
- Accounting uses the **double-entry system** to record the dual effects of each transaction.
 - For example, office supplies are purchased for cash, requiring an increase in Office Supplies and a decrease in Cash.

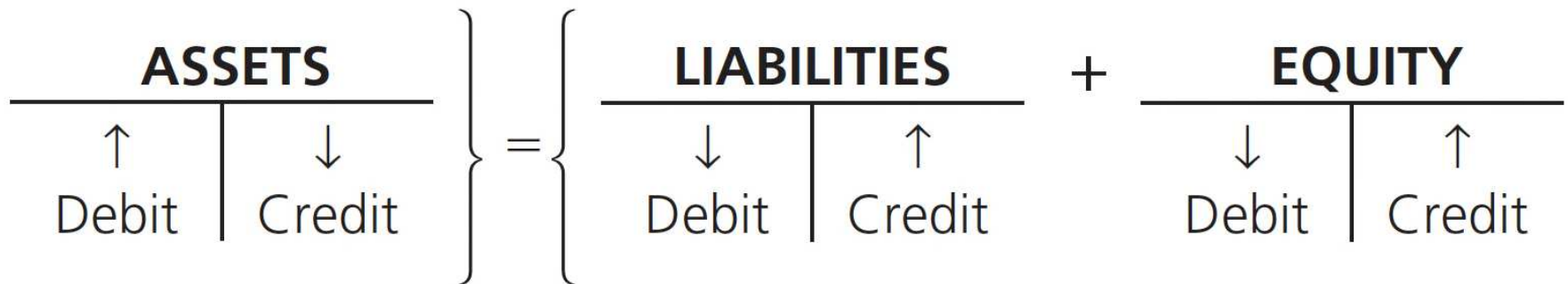
The T-Account

- A shortened form of the ledger is called the **T-account**.
 - The left side of the T-account is called the **debit** side.
 - The right side of the T-account is called the **credit** side.



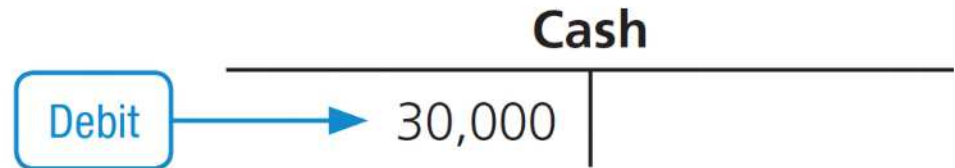
Increases and Decreases in the Accounts

How we record increases and decreases to an account is determined by the account type.

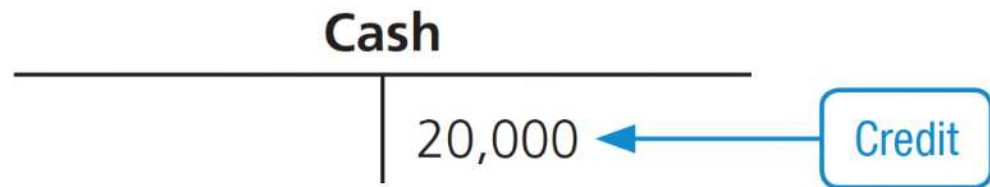


Increases and Decreases in the Accounts

- To increase the Cash account, a business would record a debit to Cash.



- To decrease the Cash account, a business would record a credit to Cash.



Expanding the Rules of Debit and Credit

The accounting equation is expanded to include the rules of debits and credits for the elements of equity:

ASSETS								EQUITY									
		=				+				-		+		-			
				LIABILITIES				Owner, Capital		Withdrawals		Revenues		Expenses			
↑	↓			↓	↑			↓	↑	↑	↓	↓	↑	↑	↓		
Debit	Credit			Debit	Credit			Debit	Credit	Debit	Credit	Debit	Credit	Debit	Credit		

The Normal Balance of an Account

- All accounts are summarized on one side of the T-account, called the normal balance.
- An account's **normal balance** appears on the increase side of the account.
 - Assets increase with a debit, so the normal balance is a debit.
 - Liabilities and equity increase with a credit, so the normal balance is a credit.

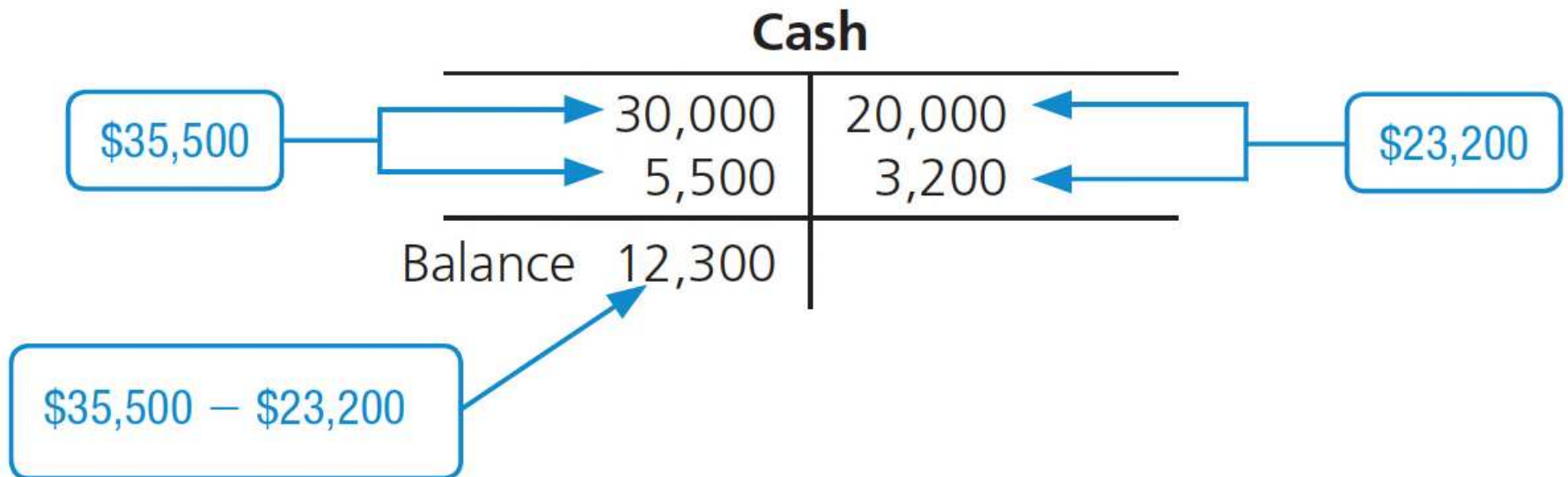
The Normal Balance of an Account

Exhibit 2-5 | Rules of Debits and Credits and Normal Balances for Each Account Type

Account Type	Increases	Decreases	Normal Balance
Assets	Debit	Credit	Debit
Expenses	Debit	Credit	Debit
Owner, Withdrawals	Debit	Credit	Debit
Liabilities	Credit	Debit	Credit
Revenues	Credit	Debit	Credit
Owner, Capital	Credit	Debit	Credit

Determining the Balance of a T-Account

Use the T-account to determine the ending balance in an account. The ending balance is shown on the side with the larger number.



Learning Objective 3



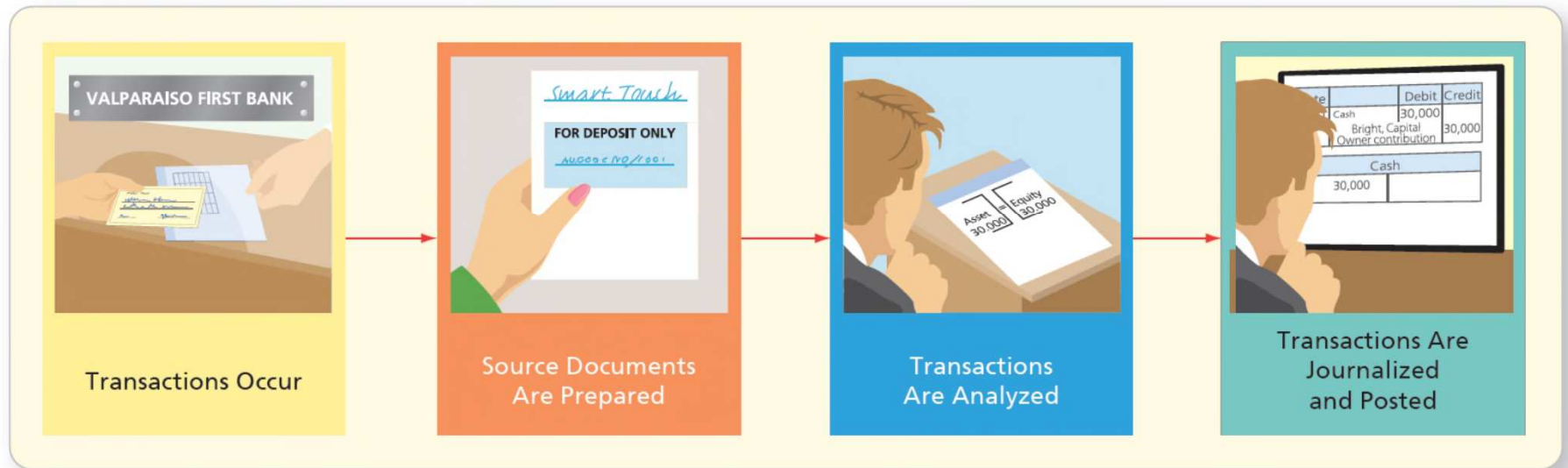
Record transactions in a journal and post journal entries to the ledger

HOW DO YOU RECORD TRANSACTIONS?

- Accountants use **source documents** to provide evidence and data for recording transactions.
- The documents help businesses determine how to record the transactions.

Source Documents—The Origin of the Transactions

Exhibit 2-6 | Flow of Accounting Data



- Other source documents used include:
 - Purchase invoices
 - Bank checks
 - Sales invoices

Journalizing and Posting Transactions

- After reviewing source documents, accountants record the transactions.
- Transactions are recorded in a **journal**, which is a record of the transactions in date order.
- The data from the journal is then transferred to the ledger, a process called **posting**.

Date		Debit	Credit
Nov. 1	Cash Bright, Capital Owner contribution.	30,000	30,000

Transactions are recorded
in a journal.

Cash	
30,000	

Bright, Capital	
	30,000

Data is posted (transferred) to
the ledger.

Journalizing and Posting Transactions

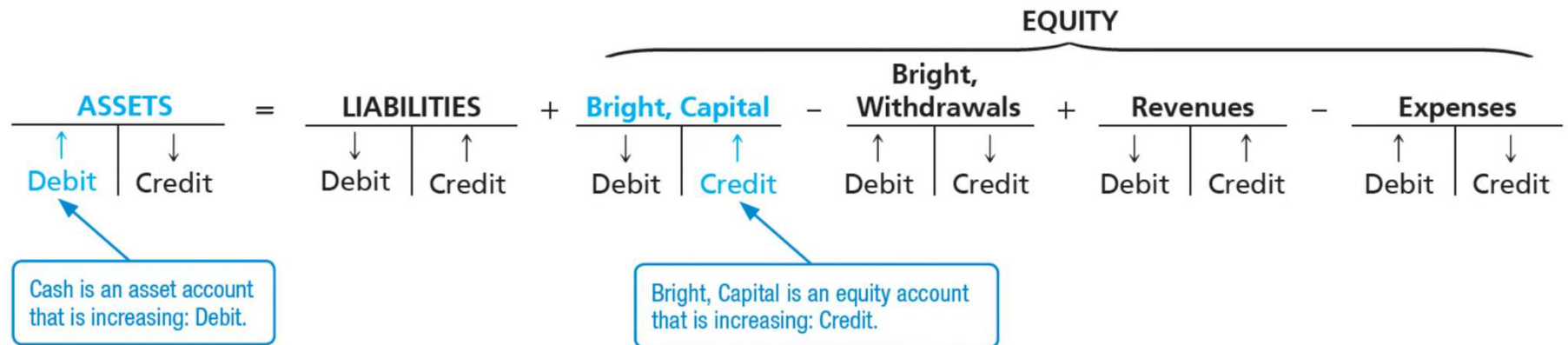
The journalizing and posting process has five steps:

- **Step 1:** Identify the accounts and the account types (asset, liability, or equity).
- **Step 2:** Decide whether each account increases or decreases and then apply the rules of debits and credits.
- **Step 3:** Record the transaction in the journal.
- **Step 4:** Post the journal entry to the ledger.
- **Step 5:** Determine whether the accounting equation is in balance.

Journalizing and Posting Transactions

Transaction 1—Owner Contribution

On November 1, Smart Touch Learning received \$30,000 cash from Sheena Bright, and the business issued capital to her.



Journalizing and Posting Transactions

Transaction 1—Owner Contribution

1. Date of the transaction.

2. Debit account name and dollar amount.

3. Credit account name and dollar amount. The credit account name is indented.

4. Brief explanation.

Date	Accounts and Explanation	Debit	Credit
Nov. 1	Cash	30,000	
	Bright, Capital		30,000
	Owner contribution.		

Journalizing and Posting Transactions

Transaction 1—Owner Contribution

Date	Accounts and Explanation	Debit	Credit
Nov. 1	Cash	30,000	
	Bright, Capital		30,000
	<i>Owner contribution.</i>		

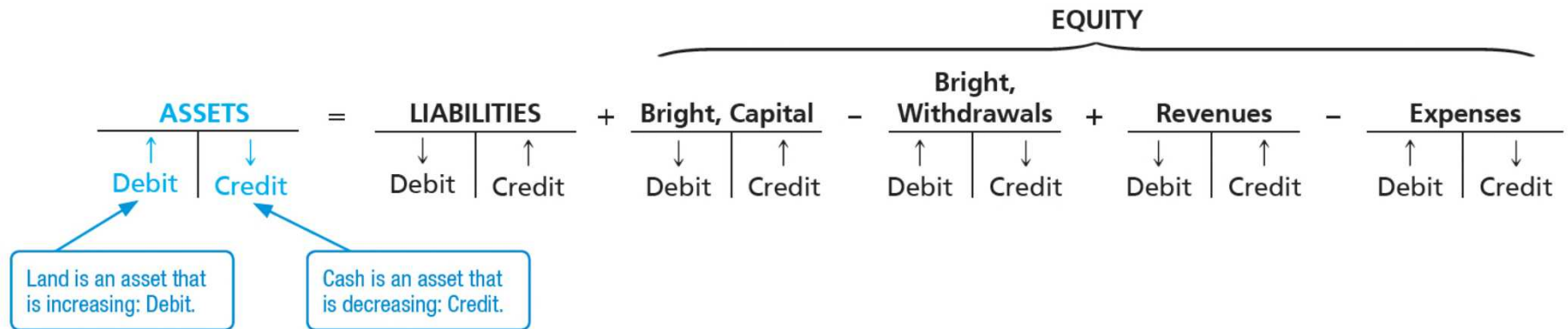
Cash		Bright, Capital	
Nov. 1	30,000	30,000	Nov. 1

ASSETS		LIABILITIES + EQUITY	
	Cash		Bright, Capital
(1)	+ 30,000		+ 30,000

Journalizing and Posting Transactions

Transaction 2—Purchase of Land for Cash

On November 2, Smart Touch Learning paid \$20,000 cash for land.



Journalizing and Posting Transactions

Transaction 2—Purchase of Land for Cash

Date	Accounts and Explanation	Debit	Credit
Nov. 2	Land	20,000	
	Cash		20,000
	<i>Paid cash for land.</i>		

Cash			
Nov. 1	30,000	20,000	Nov. 2

Land	
Nov. 2	20,000

Journalizing and Posting Transactions

Transaction 2—Purchase of Land for Cash

<u>ASSETS</u>					<u>LIABILITIES</u>	+	<u>EQUITY</u>
Cash	+	Land				+	Bright, Capital
Bal. \$30,000							\$30,000
(2) <u>−20,000</u>		<u>+20,000</u>					
Bal. \$10,000	+	\$20,000					<u>\$30,000</u>

Journalizing and Posting Transactions

Transaction 3—Purchase of Office Supplies on Account

Smart Touch Learning buys \$500 of office supplies on account on November 3.

Date	Accounts and Explanation	Debit	Credit
Nov. 3	Office Supplies	500	
	Accounts Payable		500
	<i>Purchased office supplies on account.</i>		

Office Supplies	
Nov. 3	500

Accounts Payable	
500	Nov. 3

Journalizing and Posting Transactions

Transaction 4—Earning of Service Revenue for Cash

On November 8, Smart Touch Learning collected cash of \$5,500 for service revenue that the business earned by providing e-learning services for clients.

Date	Accounts and Explanation	Debit	Credit
Nov. 8	Cash	5,500	
	Service Revenue		5,500
	<i>Performed services and received cash.</i>		

Cash			
Nov. 1	30,000	20,000	Nov. 2
Nov. 8	5,500		

Service Revenue		
	5,500	Nov. 8

Journalizing and Posting Transactions

Transaction 5—Earning of Service Revenue on Account

On November 10, Smart Touch Learning performed services for clients, for which the clients will pay the company later. The business earned \$3,000 of service revenue on account.

Date	Accounts and Explanation	Debit	Credit
Nov. 10	Accounts Receivable	3,000	
	Service Revenue		3,000
	<i>Performed services on account.</i>		

Accounts Receivable	
Nov. 10	3,000

Service Revenue	
5,500	Nov. 8
3,000	Nov. 10

Journalizing and Posting Transactions

Transaction 6—Payment of Expenses with Cash

Smart Touch Learning paid the following cash expenses on November 15: office rent, \$2,000, and employee salaries, \$1,200.

Date	Accounts and Explanation	Debit	Credit
Nov. 15	Rent Expense	2,000	
	Salaries Expense	1,200	
	Cash		3,200
	<i>Paid cash expenses.</i>		

Note: A **compound journal entry** is a journal entry with multiple debits and/or credits.

Journalizing and Posting Transactions

Transaction 6—Payment of Expenses with Cash

Cash			
Nov. 1	30,000	20,000	Nov. 2
Nov. 8	5,500	3,200	Nov. 15

Rent Expense	
Nov. 15	2,000

Salaries Expense	
Nov. 15	1,200

The overall effect of an increase to an expense account is a decrease to equity.

												EQUITY											
								Bright,															
ASSETS				=		LIABILITIES		+		Bright, Capital		-		Withdrawals		+		Revenues		-		Expenses	
↑		↓				↓		↑		↓		↑		↑		↓		↓		↑		↓	
Debit		Credit				Debit		Credit		Debit		Credit		Debit		Credit		Debit		Credit		Debit	

Journalizing and Posting Transactions

Transaction 7—Payment on Account (Accounts Payable)

On November 21, Smart Touch Learning paid \$300 on the accounts payable created in Transaction 3.

Date	Accounts and Explanation	Debit	Credit
Nov. 21	Accounts Payable	300	
	Cash		300
	<i>Paid cash on account.</i>		

Cash			
Nov. 1	30,000	20,000	Nov. 2
Nov. 8	5,500	3,200	Nov. 15
		300	Nov. 21

Accounts Payable			
Nov. 21	300	500	Nov. 3

Journalizing and Posting Transactions

Transaction 8—Collection on Account (Accounts Receivable)

On November 22, Smart Touch Learning collected \$2,000 cash from a client in Transaction 5.

Date	Accounts and Explanation	Debit	Credit
Nov. 22	Cash	2,000	
	Accounts Receivable		2,000
	<i>Received cash on account.</i>		

Cash			
Nov. 1	30,000	20,000	Nov. 2
Nov. 8	5,500	3,200	Nov. 15
Nov. 22	2,000	300	Nov. 21

Accounts Receivable			
Nov. 10	3,000	2,000	Nov. 22

Journalizing and Posting Transactions

Transaction 9—Owner Withdrawal of Cash

On November 25, Sheena Bright withdrew cash of \$5,000.

Date	Accounts and Explanation	Debit	Credit
Nov. 25	Bright, Withdrawals	5,000	
	Cash		5,000
	<i>Owner withdrawal.</i>		

Cash				Bright, Withdrawals	
Nov. 1	30,000	20,000	Nov. 2	Nov. 25	5,000
Nov. 8	5,500	3,200	Nov. 15		
Nov. 22	2,000	300	Nov. 21		
		5,000	Nov. 25		

Journalizing and Posting Transactions

Transaction 10—Prepaid Expenses

On December 1, Smart Touch Learning prepays three months' office rent of \$3,000.

Date	Accounts and Explanation	Debit	Credit
Dec. 1	Prepaid Rent	3,000	
	Cash		3,000
	<i>Paid rent in advance.</i>		

Cash			
Nov. 1	30,000	20,000	Nov. 2
Nov. 8	5,500	3,200	Nov. 15
Nov. 22	2,000	300	Nov. 21
		5,000	Nov. 25
		3,000	Dec. 1

Prepaid Rent	
Dec. 1	3,000

Journalizing and Posting Transactions

Transaction 11—Payment of Expense with Cash

On December 1, Smart Touch Learning paid employee salaries of \$1,200.

Date	Accounts and Explanation	Debit	Credit
Dec. 1	Salaries Expense	1,200	
	Cash		1,200
	<i>Paid salaries.</i>		

Cash			Salaries Expense		
Nov. 1	30,000	20,000	Nov. 2	Nov. 15	1,200
Nov. 8	5,500	3,200	Nov. 15	Dec. 1	1,200
Nov. 22	2,000	300	Nov. 21		
		5,000	Nov. 25		
		3,000	Dec. 1		
		1,200	Dec. 1		

Journalizing and Posting Transactions

Transaction 12—Purchase of Building with Notes Payable

On December 1, Smart Touch Learning purchased a \$60,000 building in exchange for a note payable.

Date	Accounts and Explanation	Debit	Credit
Dec. 1	Building	60,000	
	Notes Payable		60,000
	<i>Purchased building with note.</i>		

Building	
Dec. 1	60,000

Notes Payable	
60,000	Dec. 1

Journalizing and Posting Transactions

Transaction 13—Owner Contribution

On December 2, Smart Touch Learning received a contribution of furniture with a fair market value of \$18,000 from Sheena Bright. In exchange, Smart Touch Learning gave her capital.

Date	Accounts and Explanation	Debit	Credit
Dec. 2	Furniture	18,000	
	Bright, Capital		18,000
	<i>Owner contribution of furniture.</i>		

Furniture		Bright, Capital	
Dec. 2	18,000	30,000	Nov. 1
		18,000	Dec. 2

Journalizing and Posting Transactions

Transaction 14—Accrued Liability

On December 15, Smart Touch Learning received a telephone bill for \$100 and will pay this expense next month.

Date	Accounts and Explanation	Debit	Credit
Dec. 15	Utilities Expense	100	
	Utilities Payable		100
	<i>Accrued utility liability.</i>		

Utilities Payable		Utilities Expense	
	100	Dec. 15	100

Journalizing and Posting Transactions

Transaction 15—Payment of Expense with Cash

On December 15, Smart Touch Learning paid employee salaries of \$1,200.

Date	Accounts and Explanation	Debit	Credit
Dec. 15	Salaries Expense	1,200	
	Cash		1,200
	<i>Paid salaries.</i>		

Journalizing and Posting Transactions

Transaction 15—Payment of Expense with Cash

Cash			Salaries Expense		
Nov. 1	30,000	20,000	Nov. 2	Nov. 15	1,200
Nov. 8	5,500	3,200	Nov. 15	Dec. 1	1,200
Nov. 22	2,000	300	Nov. 21	Dec. 15	1,200
		5,000	Nov. 25		
		3,000	Dec. 1		
		1,200	Dec. 1		
		1,200	Dec. 15		

Journalizing and Posting Transactions

Transaction 16—Unearned Revenue

On December 21, a law firm engages Smart Touch Learning to provide e-learning services and agrees to pay \$600 in advance.

Date	Accounts and Explanation	Debit	Credit
Dec. 21	Cash	600	
	Unearned Revenue		600
	<i>Collected cash for future services.</i>		

Journalizing and Posting Transactions

Transaction 16—Unearned Revenues

Cash		Unearned Revenue	
Nov. 1	30,000	20,000	Nov. 2
Nov. 8	5,500	3,200	Nov. 15
Nov. 22	2,000	300	Nov. 21
Dec. 21	600	5,000	Nov. 25
		3,000	Dec. 1
		1,200	Dec. 1
		1,200	Dec. 15
		600	Dec. 21

Journalizing and Posting Transactions

Transaction 17—Earning of Service Revenue for Cash

On December 28, Smart Touch Learning collected cash of \$8,000 for Service Revenue that the business earned by providing e-learning services for clients.

Date	Accounts and Explanation	Debit	Credit
Dec. 28	Cash	8,000	
	Service Revenue		8,000
	<i>Performed services and received cash.</i>		

Journalizing and Posting Transactions

Transaction 17—Earning of Service Revenue for Cash

Cash				Service Revenue			
Nov. 1	30,000	20,000	Nov. 2		5,500	Nov. 8	
Nov. 8	5,500	3,200	Nov. 15		3,000	Nov. 10	
Nov. 22	2,000	300	Nov. 21		8,000	Dec. 28	
Dec. 21	600	5,000	Nov. 25				
Dec. 28	8,000	3,000	Dec. 1				
		1,200	Dec. 1				
		1,200	Dec. 15				

The Ledger Accounts After Posting

- Exhibit 2-7 (on the following slide) shows Smart Touch Learning's accounts after posting journal entries in November and December.
- Notice that the total assets of \$114,700 equals the total liabilities of \$60,900 plus equity of \$53,800.

The Ledger Accounts After Posting

Exhibit 2-7 | Smart Touch Learning's Accounts After Posting Journal Entries in November and December

ASSETS				=	LIABILITIES				+	EQUITY																		
Cash				=	Accounts Payable				+	Bright, Capital				-	Bright, Withdrawals				+	Service Revenue				-	Rent Expense			
Nov. 1	30,000	20,000	Nov. 2		Nov. 21	300	500	Nov. 3			30,000	Nov. 1		Nov. 25	5,000				5,500	Nov. 8		Nov. 15	2,000					
Nov. 8	5,500	3,200	Nov. 15				200	Bal.			18,000	Dec. 2							3,000	Nov. 10		Bal.	2,000					
Nov. 22	2,000	300	Nov. 21								48,000	Bal.							8,000	Dec. 28								
Dec. 21	600	5,000	Nov. 25		Utilities Payable																	Salaries Expense						
Dec. 28	8,000	3,000	Dec. 1				100	Dec. 15											16,500	Bal.		Nov. 15	1,200					
		1,200	Dec. 1				100	Bal.														Dec. 1	1,200					
		1,200	Dec. 15																			Dec. 15	1,200					
Bal.	12,200				Unearned Revenue																	Bal.	3,600					
							600	Dec. 21																				
							600	Bal.																				
					Notes Payable																							
							60,000	Dec. 1																				
							60,000	Bal.														Bal.	100					
Accounts Receivable																												
Nov. 10	3,000	2,000	Nov. 22																									
Bal.	1,000																											
Office Supplies																												
Nov. 3	500																											
Bal.	500																											
Prepaid Rent																												
Dec. 1	3,000																											
Bal.	3,000																											
Land																												
Nov. 2	20,000																											
Bal.	20,000																											
Building																												
Dec. 1	60,000																											
Bal.	60,000																											
Furniture																												
Dec. 2	18,000																											
Bal.	18,000																											
\$114,700				=	\$60,900				+	\$53,800																		

The Four-Column Account: An Alternative to the T-Account

Exhibit 2-8 | T-Account Versus Four-Column Account

Cash			
Nov. 1	30,000	20,000	Nov. 2
Nov. 8	5,500	3,200	Nov. 15
Nov. 22	2,000	300	Nov. 21
Dec. 21	600	5,000	Nov. 25
Dec. 28	8,000	3,000	Dec. 1
		1,200	Dec. 1
		1,200	Dec. 15
Bal.	12,200		

Exhibit 2-8 | T-Account Versus Four-Column Account (continued from previous slide)

The Debit or Credit for each transaction.

The balance of the account after each transaction.

CASH					Account No. 101	
Date	Item	Post Ref.	Debit	Credit	Balance	
					Debit	Credit
2018						
Nov. 1		J1	30,000		30,000	
Nov. 2		J1		20,000	10,000	
Nov. 8		J1	5,500		15,500	
Nov. 15		J1		3,200	12,300	
Nov. 21		J1		300	12,000	
Nov. 22		J1	2,000		14,000	
Nov. 25		J1		5,000	9,000	
Dec. 1		J2		3,000	6,000	
Dec. 1		J2		1,200	4,800	
Dec. 15		J2		1,200	3,600	
Dec. 21		J2	600		4,200	
Dec. 28		J2	8,000		12,200	

On Nov. 2, the balance is calculated as \$30,000 – \$20,000.

Exhibit 2-9 Posting References

The page number from the journal.

Page 1

Date	Accounts and Explanation	Post. Ref.	Debit	Credit
Nov. 1	Cash	101	30,000	
	Bright, Capital	301		30,000
	<i>Owner contribution.</i>			

Account No. 101

Account No. 301

The account number from the ledger.

CASH						
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
2018						
Nov. 1		J1	30,000		30,000	

BRIGHT, CAPITAL						
Date	Item	Post. Ref.	Debit	Credit	Balance	
					Debit	Credit
2018						
Nov. 1		J1		30,000		30,000

Learning Objective 4



Prepare the trial balance and illustrate how to use the trial balance to prepare financial statements

WHAT IS THE TRIAL BALANCE?

A **trial balance** is a list of all ledger accounts with their balances at a point in time.

The asset accounts are listed first, followed by liabilities, and then equity.

SMART TOUCH LEARNING Trial Balance December 31, 2018		
	Balance	
Account Title	Debit	Credit
Cash	\$ 12,200	
Accounts Receivable	1,000	
Office Supplies	500	
Prepaid Rent	3,000	
Land	20,000	
Building	60,000	
Furniture	18,000	
Accounts Payable		\$ 200
Utilities Payable		100
Unearned Revenue		600
Notes Payable		60,000
Bright, Capital		48,000
Bright, Withdrawals	5,000	
Service Revenue		16,500
Rent Expense	2,000	
Salaries Expense	3,600	
Utilities Expense	100	
Total	<u>\$ 125,400</u>	<u>\$ 125,400</u>

SMART TOUCH LEARNING Income Statement Two Months Ended December 31, 2018		
Revenues:		
Service Revenue		\$ 16,500
Expenses:		
Salaries Expense	\$ 3,600	
Rent Expense	2,000	
Utilities Expense	100	
Total Expenses		5,700
Net Income		<u>\$ 10,800</u>

SMART TOUCH LEARNING Statement of Owner's Equity Two Months Ended December 31, 2018	
Bright, Capital, November 1, 2018	\$ 0
Owner contribution	48,000
Net income for the two months	10,800
	<u>58,800</u>
Owner withdrawal	(5,000)
Bright, Capital, December 31, 2018	<u><u>\$ 53,800</u></u>

SMART TOUCH LEARNING Balance Sheet December 31, 2018			
Assets		Liabilities	
Cash	\$ 12,200	Accounts Payable	\$ 200
Accounts Receivable	1,000	Utilities Payable	100
Office Supplies	500	Unearned Revenue	600
Prepaid Rent	3,000	Notes Payable	60,000
Land	20,000	Total Liabilities	60,900
Building	60,000		
Furniture	18,000		
		Owner's Equity	
		Bright, Capital	53,800
Total Assets	<u>\$ 114,700</u>	Total Liabilities and Owner's Equity	<u><u>\$ 114,700</u></u>

Correcting Trial Balance Errors

If total debits do not equal total credits:

1. Search the trial balance for a missing account.
2. Divide the difference between total debits and total credits by 2.
3. Divide the out-of-balance amount by 9 to find slide or transposition errors.

Note: Even if total debits equal total credits, there can still be errors, such as the use of the wrong accounts.

Learning Objective 5



Use the debt ratio to
evaluate business
performance

HOW DO YOU USE THE DEBT RATIO TO EVALUATE BUSINESS PERFORMANCE?

- The **debt ratio** shows the proportion of assets financed with debt.
- It can be used to evaluate a business's ability to pay its debts and to determine if the company has too much debt to be considered financially healthy.

$$\text{Debt ratio} = \text{Total liabilities} / \text{Total assets}$$



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