Cornerstones of Financial Accounting 4th Edition Rich Solutions Manual

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THE ACCOUNTING INFORMATION SYSTEM

DISCUSSION QUESTIONS

- 1. The conceptual framework of accounting is the collection of general concepts that logically flow from the objective of financial reporting—to provide information that is useful in making business and economic decisions. The conceptual framework supports the development of generally accepted accounting principles (GAAP) and provides a consistent body of thought for financial reporting. An understanding of the conceptual framework will provide a logical structure to financial accounting that will help in understanding complex accounting standards.
- 2. The conceptual framework identifies two fundamental qualitative characteristics—relevance and faithful representation. Relevant information is capable of making a difference in a decision by helping users predict future events or providing feedback about prior expectations. Relevant information is also material. Faithfully represented information portrays the economic event it intends to portray. Faithfully represented information should be complete (includes all necessary information for the user to understand the economic event), neutral (unbiased), and free from error (as accurate as possible).

In addition to the fundamental qualitative characteristics, the FASB has identified four enhancing characteristics—comparability, verifiability, timeliness, and understandability. Comparable information allows external users to identify similarities and differences between two or more items. Comparability includes consistency, which can be achieved by a company applying the same accounting principles for the same items over time. Verifiable information describes a situation in which independent parties can reach a consensus on the measurement of the activity. Information is timely if it is available to users before it loses its ability to influence decisions. Finally, if users who have a reasonable knowledge of accounting and business can, with reasonable study effort, comprehend the meaning of the information, it is considered understandable.

- **3.** Tradeoffs are often necessary between the qualitative characteristics. For example, the most relevant information may not be able to be faithfully represented. Similarly, a change in accounting principle may temporarily reduce comparability but improve the relevance of the information. The goal should be to provide the most relevant information that can be faithfully represented.
- 4. Comparability refers to the ability to compare information across different companies or with similar information about the same company for another time period. Consistency refers to the use of the same accounting principles for the same items, either from one time period to another time period within a company or in a single period across companies.
- 5. The cost constraint limits the ability of a company to provide useful information. The cost constraint refers to the idea that some information that is useful would be too expensive for the company to provide based on the benefit that is achieved from providing it.
- 6. The four underlying accounting assumptions are the economic entity assumption, going-concern assumption, time-period assumption, and monetary unit assumption. The economic entity assumption requires that a company be accounted for separately from its owners. The continuity assumption assumes that a company will continue to operate long enough to carry out its existing commitments. The time-period assumption allows the life of a company to be divided into artificial time periods so net income can be measured for a specific period of time. The monetary unit assumption requires that a company account for and report its financial results in monetary terms.

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- 7. There are four principles used to measure and record business transactions. First, the historical cost principle requires transactions to be recorded at their cost—the exchange price at the time the activity occurs. Second, the revenue recognition principle determines when revenue is recorded and reported by a company. Under this principle, revenue is recognized in the period a company satisfies its performance obligation, or promise within a contract. Generally, this occurs when services are performed or goods are delivered to customers. Third, the expense recognition principle requires that an expense be recorded and reported in the same period as the revenue it helped generate. This may or may not be in the same period that cash is paid. Finally, the conservatism principle states that accountants should take care to avoid overstating assets or income.
- 8. The financial statements summarize the economic performance and status of a business and are issued at least annually. Generally accepted accounting principles (GAAP) are the rules and conventions that guide the preparation of financial statements. GAAP provides a "common ground" that makes it easier to use financial statements over time and across companies.
- 9. Many events occur that affect the financial position and the operations of a business, but only those that qualify for recognition as transactions are recorded in the accounting records. To qualify as a transaction, the effect of the underlying events must impact a financial statement element (asset, liability, stockholders' equity, revenue, or expense) and, thus, the company's financial statements. In addition, the event must be able to be faithfully represented.
- 10. Faithful representation refers to information faithfully representing the economic event that it is intending to portray. Faithfully presented information should be complete, neutral, and free from error. If information is not faithfully represented, it may mislead decision-makers. These decision-makers would find it extremely difficult, if not impossible, to use information that is incomplete or subject to significant error and/or bias.
- Transaction analysis usually begins with gathering the source documents that describe business activities. Accountants must then analyze these documents to determine which transactions should be recognized in the accounting system. If the transaction is to be recorded in the accounting system, the transaction must then be analyzed to determine the effects it will have on the fundamental accounting equation. This analysis involves three steps: (1) write down the accounting equation; (2) identify the financial statement elements that are affected by the transaction; and (3) determine whether the element increased or decreased.
- 12. Yes, it is possible for a transaction to affect only one side of the accounting equation. While the accounting equation must always remain in balance (meaning there must always be a dual effect on the accounting equation), these effects can be on the same side of the accounting equation. An example of this is when a customer pays cash for an accounts receivable. Both cash and accounts receivable are asset accounts (on the left side of the equation). One asset, accounts receivable, is decreasing, while another asset, cash, is increasing by the same amount. This results in the accounting equation remaining in balance, even though only one side of the equation was affected.
- **13.** When a firm earns revenue, its net income is increased. When a firm incurs an expense its net income is decreased. At the end of the accounting period, net income is added to retained earnings, a stockholders' equity account. Therefore, an increase in revenue increases stockholders' equity and a decrease in revenue decreases stockholders' equity. Likewise, an increase in expense decreases stockholders' equity and a decrease stockholders' equity.

- **14.** A T-account is a two-column record that consists of a title and two sides divided by a vertical line. A T-account gets its name because it resembles the capital letter "T." The left side is referred to as the debit side, and the right side is referred to as the credit side.
- **15.** No, debit does not mean increase and credit does not mean decrease. The words *debit* and *credit* simply refer to the left and right side of an account. Neither debit nor credit has direct positive or negative connotations. Only when the terms debit and credit are associated with a particular account can a *debit* or a *credit* be identified as an increase or a decrease. For example, a debit increases an asset account but decreases a liability account.
- **16.** To debit an account means to add an amount to the left side of that account. A debit balance is a balance on the left side of an account. To credit an account means to add an amount to the right side of that account. A credit balance is a balance on the right side of an account. Debits and credits do not represent increases or decreases.
- 17. The normal balance of each of the accounts is:
 - (a) cash—debit
 - (b) sales-credit
 - (c) notes payable—credit
 - (d) inventory-debit
 - (e) retained earnings-credit
 - (f) salary expense—debit
 - (g) equipment-debit
 - (h) unearned revenue-credit
- **18.** In each journal entry, the sum of the debits must equal the sum of the credits. If transactions are recorded with debits equal to credits, then the equality of the accounting equation will be maintained.
- **19.** Accounting transactions are typically recorded initially in a journal on an event-by-event basis. The recording of events in a journal allows the entire effect of a transaction to be contained in one place. The individual effects of a transaction are then posted to the general ledger. Potentially, a firm could put these transactions directly into the general ledger. However, if the transaction were recorded directly into the general ledger, there would be no evidence of the complete transaction in one place, which would make the use of the information very cumbersome.
- **20.** "Double-entry" is an appropriate description of an accounting system because each transaction will affect at least two accounts and each transaction must have debit and credit entries that must be equal.
- **21.** The initial steps of the accounting cycle involve (1) analyzing transactions; (2) journalizing transactions; (3) posting to the general ledger; and (4) preparing a trial balance. In the first step, data is collected about business activities and analyzed to determine which activities meet the criteria for recognition in the accounting records. If the data meet the recognition criteria, the effect on the fundamental accounting equation is determined. In the second step, the effects of the transaction on the fundamental accounting equation are recorded in the accounting system using debits and credits. In the third step, journal entries are posted to the general ledger, which is organized on an account-by-account basis. Finally, a trial balance is prepared from account balances in the ledger.
- **22.** Trial balances help detect errors resulting from inequality of debits and credits. A trial balance usually will not help in the detection of omitted entries or errors of analysis, journalizing, or posting when those errors cause incorrect account balances with equal debits and credits.

С

MULTIPLE-CHOICE QUESTIONS

2-2. d 2-3. С 2-4. b 2-5. а 2-6. d 2-7. С 2-8. а 2-9. d 2-10. а 2-11. С 2-12. а 2-13. d 2-14. а 2-15. b

2-1.

CORNERSTONE EXERCISES

CE 2-16

- a. Faithful representation
- b. Consistency
- c. Materiality

CE 2-17

- a. Cost vs. benefit
- b. Relevance
- c. Comparability

CE 2-18

- a. Monetary unit
- b. Going-concern
- c. Economic entity
- d. Time period

CE 2-19

- a. Revenue recognition
- b. Conservatism
- c. Historical cost
- d. Matching

CE 2-20

		Stockholders'
Assets	Liabilities	Equity
+	NE	+
+/	NE	NE
+	+	NE
_	NE	-
	+ +/- +	+ NE +/- NE + +

CE 2-21

					Stockholders' Equity		
					Contributed		Retained
-	Assets	=	Liabilities	+	Capital	+	Earnings
a.	30,000				30,000		
b.	10,000		10,000				
C.	3,000		3,000				
d.	(3,000)		(3,000)				

CE 2-22

					Stockholders' Equity		
	Assets	=	Liabilities	+	Contributed Capital	+	Retained Earnings
а.	21,500						21,500
b.	9,500						
	(9,500)						
C.	(500)						(500)
d.	(4,000)						(4,000)

CE 2-23

	Account	Normal Balance	Debit	Credit
a.	Accounts Payable	Credit	Decrease	Increase
b.	Accounts Receivable	Debit	Increase	Decrease
c.	Retained Earnings	Credit	Decrease	Increase
d.	Sales	Credit	Decrease	Increase
e.	Equipment	Debit	Increase	Decrease
f.	Common Stock	Credit	Decrease	Increase
g.	Salary Expense	Debit	Increase	Decrease
h.	Repair Expense	Debit	Increase	Decrease

CE 2-24

		Journal		
Date		Account and Explanation	Debit	Credit
June	1	Cash	100,000	
		Common Stock		100,000
		(Record issuance of common stock)		
	8	Equipment	16,800	
		Cash		16,800
		(Record purchase of equipment)		
	15	Cash	23,200	
		Sales Revenue		23,200
		(Record cash sale)		
	29	Dividends	4,500	
		Cash		4,500
		(Declared and paid cash dividends)		

CE 2-25

Journal						
Date		Account and Explanation	Debit	Credit		
Мау	5	Cash	40,000			
		Notes Payable		40,000		
		(Record borrowing of cash from bank)				
	10	Cash	28,500			
		Sales Revenue		28,500		
		(Record cash sale)				
	19	Salaries Expense	15,600			
		Cash		15,600		
		(Record payment of salaries)				
	22	Supplies	7,100			
		Cash		7,100		
		(Record purchase of supplies)				
	22	Supplies Expense	7,100			
		Supplies		7,100		
		(Record use of supplies)				

Journal

CE 2-26

Borges Inc. Trial Balance December 31, 2019						
Account	Debit	Credit				
Cash	\$12,850					
Accounts Receivable	5,700					
Equipment	12,725					
Accounts Payable		\$ 2,825				
Common Stock		15,000				
Dividends	1,500					
Service Revenue		23,150				
Rent Expense	2,400					
Salaries Expense	4,300					
Advertising Expense	1,500					
	\$40,975	\$40,975				

BRIEF EXERCISES

BE 2-27

- a. Relevance; faithful representation
- b. Comparability
- c. Understandability
- d. Faithful representation
- e. Verifiable
- f. Timeliness

BE 2-28

- a. Revenue recognition principle
- b. Economic entity assumption
- c. Historical cost principle
- d. Expense recognition principle
- e. Time period assumption

BE 2-29

- a. Yes, the event qualifies for recognition.
- b. Yes, the event qualifies for recognition.
- c. Yes, the event qualifies for recognition.
- d. No. the event does not qualify for recognition because no financial statement element will be affected until at least one party to the contract performs its responsibility (the service is performed or money is actually exchanged).

BE 2-30

					Stockholders' Equity			
	Assets	=	Liabilities	+	Contributed Capital	+	Retained Earnings	
а.	50,000		50,000					
b.	25,000							
	(25,000)							
c.	(500)						(500)	
d.	10,000						10,000	
e.	3,000							
	(3,000)							
f.	(2,500)						(2,500)	

BE 2-31

Account	Normal Balance	Debit	Credit
a. Accounts Receivable	Debit	Increase	Decrease
b. Accounts Payable	Credit	Decrease	Increase
c. Cash	Debit	Increase	Decrease
d. Equipment	Debit	Increase	Decrease
e. Notes Payable	Credit	Decrease	Increase
f. Rent Expense	Debit	Increase	Decrease
g. Salaries Expense	Debit	Increase	Decrease
h. Service Revenue	Credit	Decrease	Increase

BE 2-32

		Journal		
Date		Account and Explanation	Debit	Credit
Jan.	1	Cash	50,000	
		Notes Payable		50,000
		(Record issuance of note payable)		
	4	Equipment	25,000	
		Cash		25,000
		(Record purchase of equipment)		
	6	Rent Expense	500	
		Cash		500
		(Record payment of rent)		
	15	Accounts Receivable	10,000	
		Service Revenue		10,000
		(Record performance of services)		
	25	Cash	3,000	
		Accounts Receivable		3,000
		(Record collection from customer)		
	30	Salaries Expense	2,500	
		Cash	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2,500
		(Record payment of salaries)		

BE 2-33

Cash					Accounts R	eceivable	
Beg. Bal.	12,000			Beg. Bal.	6,300		
Jan. 1	50,000						
		25,000	Jan. 4	Jan. 15	10,000		
		500	Jan. 6				
Jan. 25	3,000					3,000	Jan. 25
		2,500	Jan. 30				
End. Bal.	37,000			End. Bal.	13,300		
	Equi	oment			Notes Pa	ayable	
Beg. Bal.	5,000					0	Beg. Bal.
Jan. 4	25,000					50,000	Jan. 1
End. Bal.	30,000					50,000	End. Bal.
	Service	Revenue		Salary Expense			
		19,500	Beg. Bal.	Beg. Bal.	5,000		
		10,000	Jan. 15	Jan. 30	2,500		
		29,500	End. Bal.	End. Bal.	7,500		
	Rent E	xpense					
Beg. Bal.	1,000						
Jan. 6	500						
End. Bal.	1,500						

BE 2-34

Mason Company Trial Balance		
December 31, 201	9	
Account	Debit	Credit
Cash	\$20,000	
Accounts Receivable	10,300	
Supplies	1,200	
Prepaid Insurance	1,900	
Accounts Payable		\$ 3,000
Salaries Payable		1,900
Unearned Service Revenue		2,100
Notes Payable		3,100
Common Stock		10,000
Dividends	2,000	
Retained Earnings		8,000
Service Revenue		19,200
Insurance Expense	1,500	
Salaries Expense	9,500	
Supplies Expense	900	
•• •	\$47,300	\$47,300

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EXERCISES

E 2-35

- 1.
- a. Timeliness
- b. Verifiability
- c. Understandability
- d. Relevance

- e. Relevance
- f. Faithful representation
- g. Comparability
- h. Faithful representation
- 2. The conceptual framework flows logically from the fundamental objective of financial reporting—to provide information that is useful for making investment and credit decisions—and its purpose is to support the development of a consistent set of accounting standards and provide a consistent body of thought for financial reporting. The conceptual framework provides a logical structure to financial accounting and helps to explain "why" accountants adopt certain practices.

E 2-36

- 1. e. Historical cost
- 2. a. Economic entity
- 3. d. Monetary unit
- 4. f. Revenue recognition
- 5. b. Going-concern
- 6. c. Time-period
- 7. h. Conservatism
- 8. g. Expense recognition

E 2-37

1. and 2.

- a. Yes, the event qualifies for recognition.
- b. No, the agreement does not qualify for recognition because no financial statement element will be affected until at least one party to the contract performs its responsibility (the service is performed or money is actually exchanged).
- c. Yes, the event qualifies for recognition.
- d. Yes, the event qualifies for recognition.
- e. No, this transaction does not qualify for recognition in the financial statements of the company because it does not affect the overall common stock of the company. This transaction is between two entities (the individual investors) that are separate from the company.
- f. Yes, the event qualifies for recognition.

1. and 2.

- a. Qualify.
- b. Does not qualify. The accounting equation has not been affected by ordering the product. When the cash register is delivered or paid for, one of the parties to the contract will have performed, and the transaction will qualify for recording.
- c. Qualify.
- d. Does not qualify. It has to do with the owner's personal transactions, not the company's transactions.
- Does not qualify. The extension does not affect the accounting equation. Once e. one of the parties performs according to the contract (the store is occupied in April 2019 or rent is paid), the transaction will be recorded.
- f. Qualify.
- q. Qualify.

- Increase assets (cash) \$3,200 and increase stockholders' equity (revenue) 1. a. \$3,200.
 - b. Increase assets (accounts receivable) \$1,700 and increase stockholders' equity (revenue) \$1,700.
 - C. Increase assets (land) \$30,000 and decrease assets (cash) \$30,000.
 - d. Increase assets (supplies) \$900 and increase liabilities (accounts payable) \$900.
 - Decrease assets (cash) \$2,500 and decrease stockholders' equity e. (dividend) \$2,500.
 - f. Decrease assets (cash) \$550 and decrease liabilities (accounts payable) \$550.
 - Decrease assets (cash) \$800 and decrease stockholders' equity (expense) g. \$800.
 - h. Increase assets (cash) \$1,500 and decrease assets (accounts receivable) \$1.500.
 - Increase assets (cash) \$20,000 and increase stockholders' equity (common i. stock) \$20,000.
- 2. For Transaction d, supplies were recorded as an asset at their historical cost the exchange price of the transaction. Later, as the supplies are used, the expense recognition principle will guide the amount of supplies that will be expensed. This application of this principle will be discussed more fully in Chapter 3.

E 2-40	
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					Stockholders' Equity			
	Assets	=	Liabilities	+	Contributed Capital	+	Retained Earnings	
a.	30,000				30,000			
b.	(18,500)							
	18,500							
C.	2,750		2,750					
d.	(2,750)		·				(2,750)	
e.	(800)						(800)	
f.	3,910						3,910	
g.	(1,100)						(1,100)	
h.	(650)						(650)	
i.	(1,900)		(1,900)					
j.	1,050						1,050	
k.	(600)						(600)	

2.

					Stockholders' Equity		
					Contributed		Retained
	Assets	=	Liabilities	+	Capital	+	Earnings
a.	875,000						
	(875,000)						
b.	125,000				125,000		
c.	86,000		86,000				
d.	10,400						
	(10,400)						
e.	(36,250)						(36,250)
f.	(5,000)						(5,000)
a.	Investing						
b.	Financing						
c.	Investing						
d.	Operating						
e.	Operating						
f.	Financing						

- a. This transaction is a result of purchasing land for cash.
- b. This transaction is a result of paying cash for an expense (e.g., rent expense) or a result of paying cash for dividends.
- c. This transaction is a result of issuing common stock in exchange for cash.
- d. This transaction is a result of borrowing cash.

E 2-43	
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					Stockholders' Equity		
					Contributed		Retained
	Assets	=	Liabilities	+	Capital	+	Earnings
a.	75,000				75,000		
b.	35,000		35,000				
c.	(12,000)						
	12,000						
d.	(7,800)						
	7,800						
e.	6,300						6,300
f.	18,750						18,750
g.	(9,500)						(9,500)
h.	(10,200)						
	10,200						
i.	1,800		1,800				
j.	(1,200)						(1,200)
k.	(1,800)		(1,800)				

					Stockholders' Equity		
	Assets	=	Liabilities	+	Contributed Capital	+	Retained Earnings
a.	12,000		12,000				
b.	1,100						1,100
c.	36,500						
	(5,500)		31,000				
d.	3,200		3,200				
e.	(300)						(300)

- a. This transaction is the result of purchasing equipment for cash.
- b. This transaction is the result of performing services (generating revenue) in exchange for cash.
- c. This transaction is the result of purchasing supplies on account (on credit).
- d. This transaction is the result of the use of supplies.

		Financial
ebit	Credit	Statement
	Х	Balance sheet
Х		Balance sheet
	Х	Balance sheet
Χ		Income statement
Χ		Balance sheet
	Х	Balance sheet
Χ		Income statement
Χ		Income statement
Х		Balance sheet
Х		Income statement
Х		Balance sheet
	Χ	Balance sheet
	Х	Balance sheet, retained
		earnings statement
	Χ	Income statement
Х		Income statement
	X X X X X X X X	X X X X X X X X X X X X X X X X X

					Stockholders' Equity			
				_	Contributed		Retained	
	Assets	=	Liabilities	+	Capital	+	Earnings	
a.	Increase (Debit)		Increase (Credit)					
b.	Increase (Debit)		Increase (Credit)					
C.	Decrease (Credit)						Decrease (Debit)	
d.	Increase (Debit)		Increase (Credit)					
e.	Decrease (Credit)						Decrease (Debit)	
f.	Increase (Debit)						Increase (Credit)	
g.	Increase (Debit)						Increase (Credit)	
h.	Increase (Debit)				Increase (Credit)			
i.	Decrease (Credit)		Decrease (Debit)					
j.	Increase/Decrease (Debit)/(Credit)							
k.	Decrease (Credit)						Decrease (Debit)	

E 2-47

Ε	2-4	8
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_		Increase/	Debit/	A
Transaction	Account	Decrease	Credit	Amount
a.	Land	Increase	Debit	\$35,200
	Cash	Decrease	Credit	\$35,200
b.	Equipment	Increase	Debit	\$16,400
	Notes Payable	Increase	Credit	\$16,400
с.	Supplies	Increase	Debit	\$1,500
	Accounts Payable	Increase	Credit	\$1,500
d.	Notes Payable	Decrease	Debit	\$15,000
	Interest Expense	Increase	Debit	\$600
	Cash	Decrease	Credit	\$15,600
e.	Accounts Payable	Decrease	Debit	\$3,150
	Cash	Decrease	Credit	\$3,150
f.	Accounts Receivable	Increase	Debit	\$65,300
	Service Revenue	Increase	Credit	\$65,300
g.	Cash	Increase	Debit	\$15,400
	Service Revenue	Increase	Credit	\$15,400
h.	Cash	Increase	Debit	\$32,800
	Accounts Receivable	Decrease	Credit	\$32,800
i.	Wages Expense	Increase	Debit	\$10,300
	Cash	Decrease	Credit	\$10,300
j.	Cash	Increase	Debit	\$40,000
	Common Stock	Increase	Credit	\$40,000

Date	Account and Explanation	Debit	Credit
Mar.	2Cash	51,500	
	Service Revenue		51,500
	(Record revenue)	-	
	3 Inventory	1,800	
	Accounts Payable		1,80
	(Record purchase of surfboards)		
	6 Wages Expense	9,200	
	Cash		9,20
	(Record wages)		
	9 Rent Expense	1,000	4.000
	Cash		1,000
	(Record rent)		
	12 Trucks	40,800	
	Cash		1,000
	Notes Payable		39,800
	(Record purchase of truck)		,
	13 Cash	1,050	
	Accounts Receivable		1,050
	(Record collection of customer account)		
	16 Accounts Payable	950	
	Cash		95
	(Record payment of account owed)		
	23 Cash	10,000	
	Notes Payable	10,000	10,00
	(Record borrowing of cash)		10,00
	27 Utilities Expense	185	
	Cash		18
	(Record payment of telephone bill)		
	30 Advertising Expense	1,550	
	Cash	1,550	1,55
	(Record payment for advertising)	╟─────╢	1,55

		Journal		
Date		Account and Explanation	Debit	Credit
Nov.	2	Cash	2,400	
		Service Revenue		2,400
		(Record revenue earned)		
	6	Supplies	4,750	
		Accounts Payable		4,750
		(Record purchase of supplies on account)		
	10	Wages Expense	5,250	
		Cash		5,250
		(Record payment of wages)		
	15	Accounts Payable	4,750	
		Cash		4,750
		(Record payment on account)		
	28	Utilties Expense	2,150	
		Cash		2,150
		(Record use of utilities)		
	30	Repairs & Maintenance Expense	1,230	
		Accounts Payable		1,230
		(Record repairs performed on account)		
Dec.	10	Accounts Payable	1,230	
		Cash		1,230
		(To record payment of account)		

2. The recording of the November 10 transaction was based on the expense recognition principle. Remington's workers helped to produce revenue in November. Therefore, the wages expense that was part of Remington's normal operations needs to be recorded in the same period as the revenue.

E 2-51	
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		Journal			
Date		Account and Explanation	Debit	Credit	
Jan.	14	Cash	80,000		
		Common Stock		80,000	
		(Record issuance of common stock)			
	14	Cash	45,000		
		Notes Payable		45,000	
		(Record borrowing of cash)			
Feb.	22	Land	30,000		
		Buildings	60,000		
		Cash		34,000	
		Notes Payable		56,000	
		(Record purchase of land and building)			
Mar.	1	Buildings	4,000		
		Cash		4,000	
		(Record payment for remodeling)			
May	3	Buildings	11,000		
		Accounts Payable		11,000	
		(Record amount due for remodeling)			
	20	Accounts Payable	11,000		
		Cash		11,000	
		(Record payment on account)			
June	4	Supplies	650		
		Cash		650	
		(Record purchase of supplies)			

1.

		Journal		
Date		Account and Explanation	Debit	Credit
Jan.	15	Cash	10,000	
		Common Stock		10,000
		(Record issuance of stock)		
	24	Supplies	720	
		Accounts Payable		720
		(Record purchase of supplies on account)		
Feb.	20	Accounts Payable	720	
		Cash		720
		(Record payment of account)	_	
Apr.	25	Accounts Receivable	12,500	
		Service Revenue		12,500
		(Record services performed on account)		
Мау	12	Cash	12,500	
		Accounts Receivable		12,500
		(Record receipt of payment)		
June	5	Accounts Receivable	9,500	
		Service Revenue		9,500
		(Record services performed on account)		
	24	Wages Expense	6,700	
		Cash		6,700
		(Record payment of wages)		

E 2-52 (Continued)

	Ca	ash		A	Accounts	Receivabl	e
Jan. 15 May 12	10,000 12,500	720 6,700	Feb. 20 June 24	Apr. 25 June 5	12,500 9,500	12,500	May 12
End. Bal.	15,080			End. Bal.	9,500		
	Sup	plies			Account	s Payable	
Jan. 24	720			Feb. 20	720	720	Jan. 24
End. Bal.	720					0	End. Bal.
	Commo	on Stock			Wages	Expense	
		10,000	Jan. 15	June 24	6,700		
		10,000	End. Bal.	End. Bal.	6,700		
	Service	Revenue					
		12,500	Apr. 25				
		9,500	June 5				
		- ,					

3.

Rosenthal Decorating Inc.		
Trial Balance		
June 30, 2019		
Account	Debit	Credit
Cash	\$15,080	
Accounts Receivable	9,500	
Supplies	720	
Accounts Payable		
Common Stock		\$10,000
Service Revenue		22,000
Wages Expense	6,700	
	\$32,000	\$32,000

Badger Auto Parts Trial Balance		
December 31, 2019		
Account	Debit	Credit
Cash	\$ 3,200	
Accounts Receivable	40,800	
Prepaid Rent	15,250	
Inventory	60,500	
Furniture	128,000	
Accumulated Depreciation (Furniture)		\$ 47,300
Accounts Payable		8,500
Interest Payable		1,800
Income Taxes Payable		3,600
Notes Payable (Long-term)		50,000
Common Stock		100,000
Retained Earnings, 12/31/18		15,900
Sales Revenue		264,700
Cost of Goods Sold	184,300	
Advertising Expense	29,200	
Utilities Expense	9,700	
Depreciation Expense (Furniture)	10,400	
Interest Expense	6,650	
Income Taxes Expense	3,800	
	\$491,800	\$491,800

- a. The trial balance WILL balance but there is still an error. The transaction was recorded at an incorrect dollar amount.
- b. The trial balance WILL NOT balance; sales will be overstated by \$54.
- c. The trial balance WILL balance; both accounts will be overstated.
- d. The trial balance WILL balance; accounts payable will be overstated by \$5,270 and cash will be overstated by \$5,270.
- e. The trial balance WILL NOT balance; accounts receivable will be understated by \$7,600.

PROBLEM SET A

P 2-55A

- a. This transaction does not qualify for recognition because receiving a new price list does not affect the accounting equation. Boatsman must enter into a sales contract with one if its customers and there must be performance under the contract (e.g., merchandise is delivered or a service is performed by Boatsman or the customer makes a cash payment) before the transaction is recorded.
 - b. This transaction does not qualify for recognition because the offer does not affect the accounting equation. When there is performance under the contract (property or money is exchanged), the transaction will be recorded.
 - c. This transaction does qualify for recognition because the receipt of cash by Boatsman and the delivery of the deed constitute performance. Assets (cash and land) have been affected by this transaction.
 - d. This transaction does not qualify for recognition because the total of common stock of Boatsman has not changed as a result of this transaction. This transaction does not involve Boatsman but two other entities—two stockholders.
 - e. This transaction does qualify for recognition, because Boatsman has incurred an expense (maintenance) that will lower stockholders' equity. The actual performance of the service by the dealer leads to recognition by Boatsman, regardless of whether Boatsman has paid the dealer for the maintenance.
- 2. Item d illustrates the economic entity assumption—the transactions of a company are accounted for separately from its owners.

P 2-56A

	Assets					= Liabilities			es	+ Equity				
	Cash	+	Accounts Receivable	+	Supplies	=	Accounts Payable	+	Notes Payable	+	Common Stock	+	Retained Earnings	
	8,000		15,900		4,100		2,500		4,000		12,000		9,500	
a.	15,000										15,000			
b.	(850)												(850) **	
C.	()				2,250		2,250							
d.	8,000								8,000					
e.	(1,080)						(1,080)							
f.	(2,150)												(2,150) **	
g.	4,700												4,700 *	
h.					(3,180)								(3,180) **	
i.			1,920										1,920 *	
j.	(500)				500									
k.	1,290		(1,290)											
I.	(1,000)		• · · ·										(1,000)	
	31,410	+	16,530	+	3,670	=	3,670	+	12,000	+	27,000	+	8,940	

* Revenues = \$4,700 + \$1,920 = \$6,620

** Expenses = \$850 + \$2,150 + \$3,180 = \$6,180

P 2-56A (Continued)

2.

Madero Accounting Services Trial Balance August 31, 2019					
Account	Debit	Credit			
Cash	\$31,410				
Accounts Receivable	16,530				
Supplies	3,670				
Accounts Payable		\$ 3,670			
Notes Payable		12,000			
Common Stock		27,000			
Retained Earnings		9,500			
Dividends	1,000				
Revenue		6,620			
Expenses	6,180				
	\$58,790	\$58,790			

P 2-57A

- 1. July 2: Common stock was issued for \$1,000 cash.
 - July 4: Bought \$250 of supplies on account.
 - July 5: Paid \$150 on a previous account payable.
 - July 7: Performed services for cash of \$2,500.
 - July 9: Bought land for \$700 cash.
 - July 11: Received cash of \$150 for payment of an account receivable.
 - July 14: Paid a \$750 expense with cash.

2.	Chen Construction Company Trial Balance		
	July 31, 2019		
	Account	Debit	Credit
	Cash	\$2,250	
	Accounts Receivable	1,250	
	Supplies	1,000	
	Land	3,700	
	Accounts Payable		\$1,200
	Common Stock		5,000
	Retained Earnings		2,000
	-	\$8,200	\$8,200

P 2-58A

	Type of	Normal		
Account	Account	Balance	Increase	Decrease
Accounts Payable	Liability	Credit	Credit	Debit
Accounts Receivable	Asset	Debit	Debit	Credit
Accumulated Depreciation	Contra Asset	Credit	Credit	Debit
Cash	Asset	Debit	Debit	Credit
Common Stock	Equity	Credit	Credit	Debit
Depreciation Expense	Expense	Debit	Debit	Credit
Equipment	Asset	Debit	Debit	Credit
Income Taxes Expense	Expense	Debit	Debit	Credit
Interest Expense	Expense	Debit	Debit	Credit
Land	Asset	Debit	Debit	Credit
Notes Payable	Liability	Credit	Credit	Debit
Prepaid Rent	Asset	Debit	Debit	Credit
Retained Earnings	Equity	Credit	Credit	Debit
Salaries Expense	Expense	Debit	Debit	Credit
Service Revenue	Revenue	Credit	Credit	Debit
Supplies	Asset	Debit	Debit	Credit

P 2-59A

	Journal			
Date	Account and Explanation	Debit	Credit	
Sept.	5 Trucks	38,900		
	Cash		38,90	
	(Record purchase of truck)			
	8 Inventory	4,200		
	Accounts Payable		4,20	
	(Record purchase of inventory on account)			
1	0 Supplies	1,250	4.05	
	Accounts Payable	┦───┤	1,25	
	(Record purchase of supplies on account)	┨────╂		
1	1 Cash	13,600		
-	Service Revenue		13,60	
	(Record performance of services)	╏────┟	,	
1	2 Accounts Receivable	2,400		
	Service Revenue		2,40	
	(Record performance of services on account)			
1	B Wages Expense	4,750		
	Cash	1 1	4,75	
	(Record payment of wages)		•	
2	2 Cash	2,400		
	Accounts Receivable		2,40	
	(Record collection of cash on account)			
2	3 Cash	20,000		
	Notes Payable		20,00	
	(Record borrowing of cash)	11		
2	B Cash	35,000		
	Common Stock		35,00	
	(Record issuance of common stock)			
3	0 Dividends	3,250	=	
	Cash		3,25	

P 2-60A

1.

		Journal		
Date		Account and Explanation	Debit	Credit
June	1	Cash	25,000	
		Common Stock		25,00
		(Issued common stock)		
	3	Supplies	1,675	
		Accounts Payable		1,67
		(Record purchase of supplies on account)		
	8	Trucks	13,700	
		Cash		1,50
		Notes Payable		12,20
		(Record purchase of truck on account)		
	14	Wages Expense	4,230	
		Cash		4,23
		(Record payment of wages)		
	22	Accounts Receivable	10,340	
		Service Revenue		10,34
		(Record performance of services on account)		
	26	Cash	6,100	
		Accounts Receivable		6,10
		(Record collection of cash on account)		
	29	Cash	520	
		Service Revenue		52
		(Record performance of services for cash)		

2-00A (CON	mueu)									
	Ca	sh					Accounts R	Receivable	;	
June 1 26 29	25,000 6,100 520	1,500 4,230	June	8 14	June	22	10,340	6,100	June	26
End. Bal.	25,890				End. E	Bal.	4,240			
	Supp	olies					Truc	ks		
June 3	1,675				June	8	13,700			
End. Bal.	1,675				End. E	Bal.	13,700			
	Accounts	Payable					Notes P	ayable		
		1,675	June	3				12,200	June	8
		1,675	End. E	Bal.				12,200	End. I	Bal
	Commo	n Stock					Service F	Revenue		
		25,000	June	1				10,340 520	June	22 29
		25,000	End. E	Bal.				10,860	End. I	Bal.
	Wages E	xpense								
June 14	4,230									
End. Bal.	4,230									

P 2-60A (Continued)

P 2-61A

1	Asset	=	Liabilities	+	Equity
a.	22,000				22,000
b.	(13,500)				(13,500)
C.	(5,320)				(5,320)
d.	(58,800)				(58,800)
e.	128,200				146,850
	18,650				
f.	(59,110)				(59,110)
g.	(3,500)				(3,500)
ĥ.	109,400				
	(109,400)				

P 2-61A (Continued)

2.

	Journal		
Date	Account and Explanation	Debit	Credit
a.	Cash	22,000	
	Common Stock		22,000
	(Issued common stock)		
b.	Rent Expense	13,500	
	Cash		13,500
	(Record payment of rent)		
с.	Utilities Expense	5,320	
	Cash		5,320
	(Record payment of utilties)		•
d.	Wages Expense	58,800	
u.	Cash	30,000	58,800
	(Record payment of wages)		50,000
_		40.050	
е.	Cash	18,650	
	Accounts Receivable	128,200	4 4 9 9 5 9
	Service Revenue		146,850
	(Record performance of services)		
f.*	Supplies Expense	59,110	
	Cash		59,110
	(Record payment for supplies)		
g.	Dividends	3,500	
	Cash		3,500
	(Declared and paid cash dividend)		•
h.	Cash	109,400	
	Accounts Receivable		109,400
	(Record receipt of cash on account)		,

* An alternative answer would involve making the following 2 entries:

Supplies Cash	59,110	59,110
Supplies Expense Supplies	59,110	59,110

61A (Conti	•						
	Ca	sh		A	Accounts F	Receivable	
(a)	22,000	13,500	(b)	(e)	128,200	109,400	(h)
(e)	18,650	5,320	(c)				
(h)	109,400	58,800	(d)				
		59,110	(f)				
		3,500	(g)				
End. Bal.	9,820			End. Bal.	18,800		
	Commo	n Stock			Divid	ends	
		22,000	(a)	(g)	3,500		
		22,000	End. Bal.	End. Bal.	3,500		
	Service	Revenue			Rent Ex	cpense	
		146,850	(e)	(b)	13,500		
		146,850	End. Bal.	End. Bal.	13,500		
	Utilities	Expense			Wages E	xpense	
(c)	5,320			(d)	58,800		
End. Bal.	5,320			End. Bal.	58,800		
	Supplies	Expense					
(f)	59,110						
End. Bal.	59,110						

P 2-61A (Continued)

Karleen's Catering Service Trial Balance December 31, 2019					
Account	Debit	Credit			
Cash	\$ 9,820				
Accounts Receivable	18,800				
Common Stock		\$ 22,000			
Dividends	3,500				
Service Revenue		146,850			
Rent Expense	13,500				
Utilities Expense	5,320				
Wages Expense	58,800				
Supplies Expense	59,110				
	\$168,850	\$168,850			

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P 2-62A

1. and 3.

Cash					
Beg. Bal.	16,300	58,000	(d)		
(b)	384,000	5,000	(e)		
(c)	983,000	56,000	(f)		
		702,000	(g)		
		22,200	(h)		
		19,700	(i)		
End. Bal.	520,400				

Accounts Receivable						
Beg. Bal. (a)	384,000 994,000	384,000 983,000	(b (c			
End. Bal.	11,000					

Interest Payable

11,200 Beg. Bal.

Accounts Payable		
	11,900 Beg. Bal.	
	11,900 End. Bal.	

Rent Payable				
(d)	10,000	10,000	Beg. Bal.	
		0	End. Bal	

End. Bal.			0	End. Bal.	
	_	Insurance Payable			
Beg. Bal.	(e)	1,000	1,000	Beg. Bal.	
End. Bal.			0	End. Bal.	

11,200

Notes Payable	Common Stock
100,000 Beg. Bal.	165,000 Beg. Bal.
100,000 End. Bal.	165,000 End. Bal.

(h)

P 2-62A (C	ontinued)						
	Retained	Earnings			Service	Revenue	
		101,200	Beg. Bal.			994,000	(a)
		101,200	End. Bal.			994,000	End. Bal.
	Rent E	xpense			Insuranc	e Expense	
(d)	48,000			(e)	4,000		
End. Bal.	48,000			End. Bal.	4,000		
	Utilities	Expense			Salaries	Expense	
(f)	56,000			(g)	702,000		
End. Bal.	56,000			End. Bal.	702,000		
	Interest	Expense		I	ncome Tax	xes Expens	se .
(h)	11,000			(i)	19,700		
End. Bal.	11,000			End. Bal.	19,700		
	·	1			·	I	

P 2-62A (Continued)

2.

Date	Account and Explanation	Debit	Credit
a.	Accounts Receivable	994,000	
	Service Revenue		994,00
	(Record billing of services performed)		
b.	Cash	384,000	
	Accounts Receivable		384,00
	(Record collection of cash on account)		,
с.	Cash	983,000	
0.	Accounts Receivable	303,000	983,00
	(Record collection of cash on account)		303,00
d.	Rent Payable	10,000	
u.	Rent Expense	48,000	
	Cash	+0,000	58,00
	(Record payment of rent)		
е.	Insurance Payable	1,000	
0.	Insurance Expense	4,000	
	Cash	.,	5,00
	(Record payment of insurance)		-,
f.	Utilities Expense	56,000	
	Cash		56,00
	(Record payment of utilities)		,
g.	Salaries Expense	702,000	
Ŭ	Cash		702,00
	(Record payment of salaries)		· · ·
h.	Interest Payable	11,200	
	Interest Expense	11,000	
	Cash		22,20
	(Record payment of interest)		· ·
i.	Income Taxes Expense	19,700	
	Cash		19,70
	(Record payment of income taxes)		

P 2-62A (Continued)

4.

Trial Balance December 31, 2019							
Account		Debit		Credit			
Cash Accounts Receivable	\$	520,400 11,000	\$	11 000			
Accounts Payable Notes Payable Common Stock			φ	11,900 100,000 165,000			
Retained Earnings Service Revenue				101,200 994,000			
Rent Expense		48,000					
Insurance Expense		4,000					
Utilities Expense		56,000					
Salaries Expense		702,000					
Interest Expense		11,000					
Income Taxes Expense		19,700					
	\$1	,372,100	\$1	,372,100			

PROBLEM SET B

P 2-55B

- 1. a. This transaction does not qualify for recognition because simply signing a contract does not affect the accounting equation. When there is performance under the contract (e.g., products or cash are exchanged), the transaction will be recorded.
 - b. This transaction does not qualify for recognition because selling stock to another person does not affect the total amount of common stock outstanding for the company. This transaction does not involve Malcolm Motors but two other entities—two stockholders.
 - c. This transaction does qualify for recognition because the transaction affects two accounting elements—cash and the amount of stock outstanding have been increased.
 - d. This event does qualify for recognition. While there is no external event affecting the accounting equation (e.g., no cash is being paid for the building), Malcolm must still recognize depreciation as it occupies the building. The concept of depreciation was introduced in Chapter 1 and will be discussed more completely in Chapters 3 and 7.
 - e. This event does not qualify for recognition because Malcom Motors does not pay to use the land. Unlike other physical assets, land is not depreciated so there is no periodic cost to recognize. Therefore, the accounting equation has not been affected.
 - f. This transaction does qualify to be recorded because two accounting elements have been affected—Malcom Motors has incurred an expense, which lowered its stockholders' equity, and has paid cash, which lowered its assets.
 - g. This transaction does qualify for recognition because two accounting elements have been affected—Malcom Motors has incurred an expense, which lowered its stockholders' equity, and has incurred a liability that will be paid in the future.
- 2. Item b illustrates the economic entity assumption—the transactions of a company are accounted for separately from its owners.

			Assets			=	Lia	biliti	es	+	E	quit	У
	Cash	+	Accounts Receivable	+	Supplies	=	Accounts Payable	+	Notes Payable	+	Common Stock	+	Retained Earnings
	3,000		6,600		4,800		500		1,000		10,000		2,900
a.	12,000										12,000		
b.	3,850												3,850 *
C.	925		(925)										
d.					1,140		1,140						
e.	(875)						(875)						
f.			2,980										2,980 *
g.	(1,350)												(1,350) **
h.	(800)												(800) **
i.	(1,340)												(1,340) **
j.	(500)												(500)
	14,910	+	8,655	+	5,940	=	765	+	1,000	+	22,000	+	5,740

P 2-56B

* Revenues = \$3,850 + \$2,980 = \$6,830

** Expenses = \$1,350 + \$800 + \$1,340 = \$3,490

P 2-56B (Continued)

Emerson Consulting Inc. Trial Balance January 31, 2019		
Account	Debit	Credit
Cash	\$14,910	
Accounts Receivable	8,655	
Supplies	5,940	
Accounts Payable	·	\$ 765
Notes Payable		1,000
Common Stock		22,000
Retained Earnings		2,900
Dividends	500	
Revenue		6,830
Expenses	3,490	
	\$33,495	\$33,495

P 2-57B

1.	April 3:	Received cash from a bank loan of \$2,000.
	April 8:	Purchased equipment with cash for \$700.
	April 9:	Paid an accounts payable with cash for \$325.
	April 11:	Used supplies of \$140 (an expense).
	April 15:	Purchased \$150 of supplies with cash.
	April 18:	Performed services in exchange for cash of \$1,500.
	April 24:	Received \$375 in payment of an account receivable from a customer.

2.	Brilliant Minds Inc. Trial Balance April 30, 2019		
	Account	Debit	Credit
	Cash	\$3,200	
	Accounts Receivable	325	
	Supplies	910	
	Equipment	1,900	
	Accounts Payable		\$ 300
	Notes Payable		2,000
	Common Stock		2,000
	Retained Earnings		2,035
		\$6,335	\$6,335

1 2 000				
	Type of	Normal		
Account	Account	Balance	Increase	Decrease
Accounts Payable	Liability	Credit	Credit	Debit
Accounts Receivable	Asset	Debit	Debit	Credit
Bonds Payable	Liability	Credit	Credit	Debit
Building	Asset	Debit	Debit	Credit
Cash	Asset	Debit	Debit	Credit
Common Stock	Equity	Credit	Credit	Debit
Copyright	Asset	Debit	Debit	Credit
Cost of Goods Sold	Expense	Debit	Debit	Credit
Depreciation Expense	Expense	Debit	Debit	Credit
Income Taxes Expense	Expense	Debit	Debit	Credit
Income Taxes Payable	Liability	Credit	Credit	Debit
Insurance Expense	Expense	Debit	Debit	Credit
Interest Expense	Expense	Debit	Debit	Credit
Inventory	Asset	Debit	Debit	Credit
Investments	Asset	Debit	Debit	Credit
Retained Earnings	Equity	Credit	Credit	Debit
Sales Revenue	Revenue	Credit	Credit	Debit
Unearned Revenue	Liability	Credit	Credit	Debit
Utilities Expense	Expense	Debit	Debit	Credit

P 2-58B

P 2-59B

Date	Account and Explanation	Debit	Credit
Dec. 2	Rent Expense	1,200	
	Cash		1,20
	(Record payment of rent)		
:	Cash	25,000	
	Notes Payable		25,00
	(Record borrowing of cash)		
7	Accounts Receivable	42,600	
	Service Revenue		42,60
	(Record performance of services on account)		
1(Supplies	2,850	
	Accounts Payable	2,000	2,85
	(Record purchase of supplies on account)		_,
1:	Cash	20,150	
	Accounts Receivable		20,15
	(Record collection of cash on account)		
19	Cash	50,000	
	Common Stock		50,00
	(Record issuance of stock)		
22	Wages Expense	13,825	
	Cash		13,82
	(Record payment of wages)		
23	Accounts Payable	1,280	
	Cash		1,28
	(Record payment on account)		
	Cash	12 500	
2:	Cash Sarviga Bayanya	13,500	40 E0
	Service Revenue	┠─────╢	13,50
	(Record performance of services for cash)	┠─────┨	
30	Utilities Expense	1,975	
	Cash		1,97

P 2-60B

1	
	•

	Journal		
Date	Account and Explanation	Debit	Credit
Sept.	1 Cash	20,000	
	Common Stock		20,000
	(Issued common stock)		
	2 Supplies	1,880	
	Cash		1,880
	(Record purchase of supplies)		
	5 Prepaid Rent	2,400	
	Cash		2,400
	(Record payment of rent in advance)		
	8 Advertising Expense	1,290	
	Accounts Payable		1,290
	(Purchased advertising on account)		
1	3 Accounts Receivable	2,100	
	Service Revenue		2,100
	(Performed services on account)		
1	8 Cash	8,250	
	Service Revenue		8,250
	(Performed services for cash)		
2	5 Cash	835	
	Accounts Receivable		835
	(Collected cash from customer on account)		
3	0 Wages Expense	3,970	
	Cash		3,970
	(Paid wages)		

		Casl	h					Accounts Re	eceivable		
Sept.	1 18	20,000 8,250	1,880 2,400	Sept.	2 5	Sept.	13	2,100	835	Sept.	25
End. E	25 Bal.	835 20,835	3,970		30	End. E	Bal.	1,265			
		Suppl	ies					Prepaid	Rent		
Sept.	2	1,880				Sept.	5	2,400			
End. E	Bal.	1,880				End. E	Bal.	2,400			
		Accounts I	Payable					Common	Stock		
			1,290	Sept.	8				20,000	Sept.	1
			1,290	End.	Bal.				20,000	End. E	3al.
		Service Re	evenue					Wages Ex	pense		
			2,100 8,250	Sept.	13 18	Sept.	30	3,970			
			10,350	End.		End. E	Bal.	3,970			
	1	Advertising	Expense	•							
Sept.	8	1,290									
End. E	Bal.	1,290									

P 2-60B (Continued)

P 2-61B

1.	Asset	=	Liabilities	+	Equity
a.	45,000				45,000
b.	18,710				
	(18,710)				
c.	112,880				112,880
d.	(87,300)				(87,300)
e.	20,000		20,000		
f.	(10,200)				(10,200)
g.	2,120		2,120		
h.	(1,200)		(1,200)		
i.	(3,250)				(3,250)

P 2-61B (Continued)

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	Journal		
Date	Account and Explanation	Debit	Credit
a.	Cash	45,000	
	Common Stock		45,000
	(Issued common stock)		
b.	Equipment	18,710	
	Cash		18,710
	(Purchased equipment for cash)		
С.	Cash	112,880	
	Service Revenue		112,880
	(Performed services for cash)		,
d.	Wages Expense	87,300	
	Cash		87,300
	(Paid wages)		
e.	Cash	20,000	
	Notes Payable		20,000
	(Record borrowing of cash)		-,
f.	Rent Expense	10,200	
1.	Cash	10,200	10,200
	(Paid rent)		10,200
	Cumulian	2 4 2 0	
g.	Supplies Accounts Payable	2,120	2,120
	(Purchased supplies on account)		2,120
h.	Accounts Payable	1,200	
	Cash		1,200
	(Record payment on account)		
i.	Utilities Expense	3,250	
	Cash		3,250
	(Record payment of utilties)		

P 2-61B (Continued)

	Ća	sh		Supplies			
(a)	45,000	18,710	(b)	(g)	2,120		
(c)	112,880	87,300	(d)				
(e)	20,000	10,200	(f)				
		1,200	(h)				
		3,250	(i)				
End. Bal.	57,220			End. Bal.	2,120		
	Equip	ment			Accounts	Payable	
(b)	18,710			(h)	1,200	2,120	(g)
End. Bal.	18,710					920	End. Bal.
	Notes Pa	iyable			Common	Stock	
		20,000	(e)			45,000	(a)
		20,000	End. Bal.			45,000	End. Bal.
	Service R	evenue			Rent Ex	pense	
		112,880	(c)	(f)	10,200		
		112,880	End. Bal.	End. Bal.	10,200		
	Utilities Ex	cpense			Wages Ex	pense	
(i)	3,250			(d)	87,300		
End. Bal.	3,250			End. Bal.	87,300		
	S	weetwater	-	•	lelp Service	e	
				Balance			
	^	ccount	Decembe	er 31, 2019	Debit		Credit
O a a la							Credit
					\$ 57,220		
					2,120		
	nt				18,710		* • • • • •
	Payable						\$ 920
	yable Stock						20,000 45,000
	evenue						
					10,200		112,880
-	ense xpense				3,250		
	kpense				3,230 87,300		
Tuyes L/	.hou9e			•••••••	\$178,800		\$178,800
				:	ψ110,000	=	Ψ110,000

2-46

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P 2-62B

1. and 3.

	Cash				Accounts I	Receivable	9
Beg. Bal. (b)	6,000 699,000	8,000 379,000 9,000 28,000 13,000 26,000 10,300 5,000	(c) (d) (e) (f) (g) (h) (i)	Beg. Bal. (a)	130,000 690,000	699,000	(b)
End. Bal.	226,700	3,000	(j)	End. Bal.	121,000		
	Prepaid	l Rent			Supp	olies	
Beg. Bal.	96,000	96,000	(f)	(g)	13,000		
		0	End. Bal.	End. Bal.	13,000		
	Accounts	Payable			Interest	Payable	
		14,000	Beg. Bal.	(c)	8,000	8,000	Beg. Bal.
		14,000	End. Bal.			0	End. Bal.
	Notes P	ayable			Commo	n Stock	
		80,000	Beg. Bal.			114,000	Beg. Bal.
		80,000	End. Bal.			114,000	End. Bal.

P 2-62B (Continued)						
	Retained Earnings			:	Service R	evenue	
		16,000	Beg. Bal.			690,000	(a)
		16,000	End. Bal.			690,000	End. Bal.
	Rent Exp	oense		ŀ	Advertisir	ng Expense	9
(f)	124,000			(h)	26,000		
End. Bal.	124,000			End. Bal.	26,000		
	Wages E	Expense		Repair	s & Maint	tenance Ex	pense
(d)	379,000			(e)	9,000		
End. Bal.	379,000			End. Bal.	9,000		
Interest Expense			Inc	ome Tax	es Expens	е	
	E 000			(i)	10,300		
(j)	5,000			(1)	10,000		

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P 2-62B (Continued)

2.

Date	Account and Explanation	Debit	Credit
a.	Accounts Receivable	690,000	
	Service Revenue		690,00
	(Performed services on account)		
b.	Cash*	699,000	
	Accounts Receivable		699,00
	(Collected cash from customers)		
с.	Interest Payable	8,000	
	Cash		8,00
	(Paid interest)		
d.	Wages Expense	379,000	
u.	Cash	379,000	379,00
	(Paid wages)	─-∦─────-}	575,00
e.	Repairs & Maintenance Expense	9,000	
	Cash		9,00
	(Paid for repairs & maintenance)		
f.	Rent Expense	124,000	
	Prepaid Rent		96,00
	Cash		28,00
	(Incurred rent expense)		
a	Supplies	13,000	
g.	Cash	13,000	13,00
	(Purchased supplies)		,
h.	Advertising Expense	26,000	26.00
	Cash (Paid for advortiging)	∦	26,00
	(Paid for advertising)		
i.	Income Taxes Expense	10,300	
	Cash		10,30
	(Paid income taxes)		
j.	Interest Expense	5,000	
,	Cash		5,00
	(Paid interest)	──╢────╢╴	-,••

* \$570,000 + \$129,000 = \$699,000

P 2-62B (Continued)

4.

Cash\$2	Debit 226,700 121,000 13,000	Credit
• •	121,000	
	121,000	
	12,000	
Supplies	13,000	
Accounts Payable		\$ 14,000
Notes Payable		80,000
Common Stock		114,000
Retained Earnings		16,000
Service Revenue		690,000
	124,000	
Advertising Expense	26,000	
Vages Expense	379,000	
Repairs & Maintenance Expense	9,000	
nterest Expense	5,000	
ncome Taxes Expense	10,300	
\$9	914,000	\$914,000

CASES

Case 2-63

- To qualify as a transaction, the underlying events must impact a financial 1. statement element of the company and must be able to be reliably measured. A reliable measurement is one that is reasonably free from error and bias and is a faithful representation of what it purports to represent. Prices agreed upon in exchanges between a company and outside (unrelated) parties are usually reasonably free from error and bias and can serve as the basis for recording the related transaction. The transfer of the building and equipment to the company from Susan Eel, the owner of the company, however, is not an exchange between the company and an outside (unrelated) party; thus, its amount may be biased and a less than faithful representation of the fair value of the building and equipment. Consequently, the amount recorded for the transfer of the building and equipment to the business is open to question. Although the accounts receivable probably involved transactions with outsiders, the absence of supporting documentation for those transactions raises a question about the correctness of their recognition. In general, the absence of source documents to support the amounts recorded for the building, equipment, and accounts receivable violates an important condition for the recording of transactions.
- 2. If assets are overstated, assets will need to be reduced so that a correct balance is reflected on the balance sheet. Because the fundamental accounting equation must remain in balance, stockholders' equity would need to be reduced because the recorded amount for the stock Susan exchanged for the building and equipment would have to be reduced. (*Instructor's Note:* Depreciation expense and accumulated depreciation would also be overstated; however, this topic is not covered until later in the text.) If receivables are overstated, sales, net income, and retained earnings are likely also overstated. If accounts payable are understated, it is likely that expenses are understated, as well as net income and retained earnings being overstated.
- 3. An independent certified public accountant should be engaged to examine Susan's financial statements and to recommend their restatement, where necessary. Based on the restated financial statements and an assessment of the future prospects of the business, an offer could be made. Estimating the value of a business is a complex task in which data from many sources (including accounting and nonaccounting information) must be acquired and analyzed. Such estimated values are subject to considerable error.

1. We can analyze the accounts receivable account to determine the amount of cash collected from customers. The journal entry to record credit sales would debit Accounts Receivable and credit Sales Revenue. The collection of an account receivable from a customer requires a debit to Cash and a credit to Accounts Receivable. Therefore the amount that must be credited to Accounts Receivable to make the ending balance equal to \$7,950 must be the amount that customers paid Cable. The calculation of this amount is shown with the the T-account below.

Accounts Receivable				
Beg. Bal. Credit sales	6,325 93,680	92,055	Collections*	
End. Bal.	7,950			

* Collections of \$92,055 calculated as \$6,325 + \$93,680 - \$7,950

- 2. The cash collected from customers would be classified in the operating section on the statement of cash flows.
- 3. We can analyze the wages payable account in a similar way. The journal entry to record the recognition of wages expense is a debit to Wages Expense and a credit to Wages Payable. Payment of wages requires a debit to Wages Payable and a credit to Cash. Therefore, the amount that must be debited to Wages Payable to make the ending balance equal to \$3,625 must be the amount that Cable paid its employees.

	Wages	Payable	
Wage payments*	50,845	4,960 49,510	Beg. Bal. Wages expense
		3,625	End. Bal.

* Wage payments of \$50,845 calculated as \$4,960 + \$49,510 - \$3,625

4. The cash paid for wages would be classified in the operating section of the statement of cash flows.

- 1. Kathryn has an ethical dilemma known as a conflict of interest. As a top executive for Clean Sweep, she has a professional responsibility to the company. This responsibility to the company is in conflict with her personal responsibility to her family, specifically her son, Ben. This conflict of interest could lead to Kathryn making a decision that is not in the best interests of the company in an effort to help her family.
- 2. Kathryn has two major alternatives in this situation. First, she could bring the bookkeeping errors to the attention of the management of Clean Sweep. Such an action would allow her to correct the financial statements of Clean Sweep so that the users of Clean Sweep's financial statements are provided accurate and reliable information on which to base their decisions. Because the financial statements have not yet been prepared, individuals outside of the company may never know of the errors, and the company will suffer little, if any, harm from these mistakes. However, such an action may have serious personal repercussions. For example, Kathryn may get reprimanded for hiring a relative who was not competent to do the job. Such a reprimand may lead to a below average performance evaluation for Kathryn, which could affect her financially.

Second, Kathryn could cover up her son's mistakes by fixing the errors without telling senior management that any errors were made. Most likely, it is entirely within Kathryn's responsibility as chief accountant to authorize journal entries that can fix the mistakes and no one may ever question these actions. In addition, because the trial balance still balanced, outside users would have no reason to suspect any errors. If successful, Kathryn would save her family and herself potential embarrassment and financial loss while still protecting the company interests. However, if someone (e.g., an auditor) questions these entries and investigates their source, Kathryn would most likely face serious reprimands, and possibly the loss of her job, for covering up the mistakes.

The first alternative would be the most ethical choice. Her professional responsibility to the company should come before any personal embarrassment or injury she may suffer.

1. This information was found in the 2016 annual report for General Electric on the statement of financial position (the balance sheet):

Total Assets	=	\$365,183,000,000
Total Liabilities	=	\$284,668,000,000
Total Equity	=	\$80,515,000,000

Note: GE reports \$3,025,000,000 of redeemable noncontrolling interests as "mezzanine"or "temporary equity". It also reports \$1,663,000,000 of minority interest in equity of consolidated affiliates (noncontrolling interests) as part of stockholders' equity. These topics are beyond the scope of this course.

- 2. Normal balances:
 - a. Debit
 - b. Credit
 - c. Credit
 - d. Debit
 - e. Debit
 - f. Debit
 - g. Credit
- 3. Additional accounts involved in the transaction:
 - a. Cash (decreased as payables are paid off)
 - b. Sales Revenue (increased as credit sales are made to customers)
 - c. Cash (increased when more common stock is issued)
 - d. Wages Expense (increased as wages are earned)

	Assets	=	Liabilities	+_	Stockholders' Equity
Under Armour	\$3,644,331,000	=	\$1,613,431,000	+	\$2,030,900,000
Columbia	\$2,013,984,000		\$432,383,000	+	\$1,581,511,000

The accounting equation for each of these companies balances, as required of a balance sheet.

2.

1.

Under Armour

Accounts Receivable					
Beg. Bal. Sales	433,638,000 4,825,335,000	4,636,288,000	Cash collections*		
End. Bal.	622,685,000				

* Cash collections of \$4,636,288,000 were determined as \$433,638,000, beginning balance + \$4,825,335,000 sales - \$622,685,000 ending balance.

Columbia

Accounts Receivable					
Beg. Bal.	371,953,000				
Sales	2,377,045,000	2,415,320,000	Cash collections*		
End. Bal.	333,678,000				

* Cash collections of \$2,415,320,000 were determined as \$371,953,000, beginning balance

+ \$2,377,045,000 sales - \$333,678,000 ending balance.

Case 2-67 (Continued)

3.

Under Amour

Journal

Date	Account and Explanation	Debit	Credit
	Accounts Receivable	4,825,335,000	
	Sales Revenue		4,825,335,000
	(Record net sales for year)		
	Cash	4,636,288,000	
	Accounts Receivable		4,636,288,000
	(Record receipt of cash from		
	customer)		

Columbia

Journal

Date	Account and Explanation	Debit	Credit
	Accounts Receivable	2,377,045,000	
	Sales Revenue		2,377,045,000
	(Record net sales for year)		
	Cash	2,415,320,000	
	Accounts Receivable		2,415,320,000
	(Record receipt of cash from		
	customer)		

- 1. Smith is trying to recognize expenses in the period in which use of the asset (resource) contributes to the earning of revenue. When an asset is used in several periods, it is necessary to divide its cost between the periods affected, recognizing part of the total cost as expense in each period. This process is supported by the expense recognition concept as it applies to period expenses. This concept will be discussed further in Chapter 3.
- 2. a. Smith should recognize as an expense the portion of the 3-year insurance coverage that expired during 2019. Thus, 1 year of \$2,400, or \$800, should be included in 2019 insurance expense, and the remainder (\$1,600) should appear on the December 31, 2019, balance sheet as an asset called Prepaid Insurance.
 - b. Smith should recognize as expense the portion of the building's cost associated with 2019. The simplest procedure divides the cost of the building, reduced by the anticipated residual value, equally among the 20 years in which the building is used. Thus, 1/20 of \$74,000 (\$80,000 \$6,000), or \$3,700 would be included in depreciation expense for 2019, and the December 31, 2019, balance sheet would show accumulated depreciation on the building of \$33,300 (9 years × \$3,700).
 - c. Smith should recognize 4/12 of the \$1,600 cost of the loan (4/12 × \$1,600 = \$533) as interest expense in 2019. Since this expense is not paid until September 1 of the following year, the December 31, 2019, balance sheet must show interest payable of \$533. The remaining cost of the loan (\$1,600 \$533 = \$1,067) is not recognized until next year and does not appear as a payable on the December 31, 2019, balance sheet.

1.

Date	е	Account and Explanation	Debit	Credit
Jan.	1	Cash	16,000	
		Common Stock		16,00
		(Issued common stock)		
	1	Cash	25,000	
		Notes Payable		25,00
		(Borrowed cash from bank)		
	1	Legal Expense	1,200	
		Cash		1,20
		(Paid legal fees)		
	1	Equipment	7,000	
		Cash		7,00
		(Purchased office equipment)		
	1	Rent Expense	800	
		Cash		80
		(Paid rent for January)		
	3	Prepaid Insurance	3,600	
		Cash		3,60
		(Purchased insurance in advance)		
	3	Supplies	2,500	
		Accounts Payable		2,50
		(Purchased supplies on credit)		
	5	No entry necessary		
	8	Prepaid Rent	10,000	
		Cash		10,00
		(Paid rent for venue in advance)		
	12	Advertising Expense	4,500	
		Cash		4,50
		(Paid for advertising)		

Case 2-69 (Continued)

		Journal		
Dat	e	Account and Explanation	Debit	Credit
Jan.	18	Accounts Payable	1,000	
		Cash		1,000
		(Paid amount owed)		
	25	Cash	400	
		Accounts Receivable	600	
		Sales Revenue		1,000
		(Record sales)		
	25	Artist Fee Expense	800	
		Cash		800
		(Paid artist fee for concert)		
	28	Cash	3,800	
		Unearned Sales Revenue		3,800
		(Sold tickets in advance)		
	30	Cash	200	
		Accounts Receivable		200
		(Collected accounts receivable)		
	30	Salaries Expense	2,400	
		Cash		2,400
		(Paid salaries)		· .

Case 2-69 (Continued)

2.

Ζ.										
	Ca	sh					Accounts	Receivab	le	
Beg. Bal.	0				Beg.	Bal.	0			
Jan. 1	16,000	1,200	Jan.	1	Jan.	25	600	200	Jan.	30
1	25,000	7,000		1	End.	Bal.	400			
25	400	800		1						
28	3,800	3,600		3						
30	200	10,000		8			Su	oplies		
		4,500		12	Beg.		0			
		1,000		18	Jan.	3	2,500			
		800		25	End.	Bal.	2,500			
		2,400		30						
End. Bal.	14,100									
	Prepaid I	nsurance					Prepa	aid Rent		
Beg. Bal.	0				Beg.	Bal.	0			
Jan. 3	3,600				Jan.	8	10,000			
End. Bal.	3,600				End.	Bal.	10,000			
	Equip	ment					Accoun	ts Payable		
Beg. Bal.	0							0	Beg.	Bal.
Jan. 1	7,000				Jan.	18	1,000	2,500	Jan.	
End. Bal.	7,000							1,500	End.	Bal.
Ur	nearned Sa	les Reve	nue				Notes	Payable		
		0	Beg. I	Bal.				0	Beg.	Bal.
		3,800	Jan.	28				25,000	Jan.	1
		3,800	End. I	Bal.				25,000	End.	Bal.
	Commo	n Stock					Sales	Revenue		
		0	Beg. I	Bal.				0	Beg.	Bal.
		16,000	Jan.	1	_			1,000	Jan.	
		16,000	End. I	Bal.				1,000	End.	Bal.

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CHAPTER 2 The Accounting Information System

Case 2-69 (Continued)

Artist Fee Expense					
Beg. Bal.	0				
Jan. 25	800				
End. Bal.	800				

	Salaries Expense					
Beg. E	Bal.	0				
Jan.	30	2,400				
End. Bal. 2,400						

Legal Expense					
Beg. Bal.	0				
Jan. 1	1,200				
End. Bal.	1,200				

	Adv	ertising Ex	kpense
Beg. E	Bal.	0	
Jan.	12	4,500	
End. E	Bal.	4,500	

Rent Expense				
Beg. Bal.	0			
Jan. '	1 800			
End. Bal.	800			

Front Row Entertainment Inc. Trial Balance				
Account	Debit	Credit		
Cash	\$14,100			
Accounts Receivable	400			
Supplies	2,500			
Prepaid Insurance	3,600			
Prepaid Rent	10,000			
Equipment	7,000			
Accounts Payable		\$ 1,500		
Unearned Sales Revenue		3,800		
Notes Payable		25,000		
Common Stock		16,000		
Sales Revenue		1,000		
Artist Fee Expense	800			
Advertising Expense	4,500			
Salaries Expense	2,400			
Rent Expense	800			
Legal Expense	1,200			
	\$47,300	\$47,300		

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