

## Chapter 2 Review of the Accounting Process

---

### QUESTIONS FOR REVIEW OF KEY TOPICS

#### Question 2–1

External events involve an exchange transaction between the company and a separate economic entity. For every external transaction, the company is receiving something in exchange for something else. Internal events do not involve an exchange transaction but do affect the financial position of the company. Examples of external events are the purchase of inventory, a sale to a customer, and the borrowing of cash from a bank. Examples of internal events include the recording of depreciation expense, the expiration of prepaid rent, and the accrual of salary expense.

#### Question 2–2

According to the accounting equation, there is equality between the total economic resources of an entity, its assets, and the claims to those resources, liabilities, and equity. This implies that, since resources must always equal claims, the net effect of any transaction cannot affect one side of the accounting equation differently than the other side.

#### Question 2–3

The purpose of a journal is to capture, in chronological order, the dual effect of a transaction. A general ledger is a collection of storage areas called accounts. These accounts keep track of the increases and decreases in each element of financial position.

#### Question 2–4

Permanent accounts represent the financial position of a company—assets, liabilities and owners' equity—at a particular point in time. Temporary accounts represent the changes in shareholders' equity, the retained earnings component of equity for a corporation, caused by revenue, expense, gain, and loss transactions. It would be cumbersome to record revenue/expense, gain/loss transactions directly into the permanent retained earnings account. Recording these transactions in temporary accounts facilitates the preparation of the financial statements.

## *Answers to Questions (continued)*

### **Question 2–5**

Assets are increased by debits and decreased by credits. Liabilities and equity accounts are increased by credits and decreased by debits.

### **Question 2–6**

Revenues and gains are increased by credits and decreased by debits. Expenses and losses are increased by debits (thus causing owners' equity to decrease) and decreased by credits (thus causing owners' equity to increase).

### **Question 2–7**

The first step in the accounting processing cycle is to identify external transactions affecting the accounting equation. Source documents, such as sales invoices, bills from suppliers, and cash register tapes, help to identify the transactions and then provide the information necessary to process the transaction.

### **Question 2–8**

Transaction analysis is the process of reviewing the source documents to determine the dual effect on the accounting equation and the specific elements involved.

### **Question 2–9**

After transactions are recorded in a journal, the debits and credits must be transferred to the appropriate general ledger accounts. This transfer is called **posting**.

### **Question 2–10**

In Transaction 1 we record the purchase of \$20,000 of inventory on account. In Transaction 2 we record a credit sale of \$30,000 and the corresponding cost of goods sold of \$18,000.

### **Question 2–11**

An *unadjusted* trial balance is a list of the general ledger accounts and their balances at a time before any end-of-period adjusting entries have been recorded. An *adjusted* trial balance is prepared after adjusting entries have been recorded and posted to the accounts.

## *Answers to Questions (continued)*

### **Question 2–12**

We use adjusting entries to record the effect on financial position of internal events, those that do not involve an exchange transaction with another entity. We record them at the end of any period when financial statements are prepared to properly reflect financial position and results of operations according to the accrual accounting model, that is, to update accounts to their proper balances before we report those balances in the financial statements.

### **Question 2–13**

Closing entries transfer the balances in the temporary owners' equity accounts (revenues, expenses, gains, losses, dividends) to a permanent owners' equity account, retained earnings for a corporation. This is done only at the end of a fiscal year in order to reduce the temporary accounts to zero before beginning the next reporting year.

### **Question 2–14**

Prepaid expenses represent assets recorded when a cash disbursement creates benefits that extend beyond the current reporting period. Examples are supplies on hand at the end of a period, prepaid rent, and prepaid insurance.

### **Question 2–15**

The adjusting entry required when deferred revenues are recognized is a debit to the deferred revenue liability and a credit to revenue.

### **Question 2–16**

Accrued liabilities are recorded when an expense has been incurred that will not be paid until a subsequent reporting period. The adjusting entry needed to record an accrued liability is a debit to an expense and a credit to a liability.

## Answers to Questions (continued)

### Question 2–17

*Income statement*—The purpose of the income statement is to summarize the profit-generating activities of a company during a particular period of time. It is a “change statement” that reports the changes in owners’ equity that occurred during the period as a result of revenues, expenses, gains, and losses.

*Statement of comprehensive income*—The statement of comprehensive income extends the income statement to report changes in shareholders’ equity during the reporting period that were not a result of transactions with owners. This statement includes net income and also other comprehensive income items.

*Balance sheet*—The purpose of the balance sheet is to present the financial position of a company at a particular point in time. It is an organized list of assets, liabilities, and permanent owners’ equity accounts.

*Statement of cash flows*—The purpose of the statement of cash flows is to disclose the events that caused cash to change during the period.

*Statement of shareholders’ equity*—The purpose of the statement of shareholders’ equity is to disclose the sources of the changes in the various shareholders’ equity accounts that occurred during the period. This statement includes changes resulting from investments by owners, distributions to owners, net income, and other comprehensive income.

### Question 2–18

A worksheet provides a way to organize the accounting information needed to prepare adjusting and closing entries and the financial statements. This error would result in an *overstatement* of revenue and thus net income and thus retained earnings, and an *understatement* of liabilities.

## *Answers to Questions (concluded)*

### **Question 2–19**

Reversing entries are recorded at the beginning of a reporting period. They reverse the effects of some of the adjusting entries recorded at the end of the previous reporting period. This simplifies the journal entries recorded during the new period by allowing cash payments or cash receipts to be entered directly into the expense or revenue account without regard to the accrual recorded at the end of the previous period.

### **Question 2–20**

The purpose of special journals is to record, in chronological order, the dual effect of *repetitive* types of transactions, such as cash receipts, cash disbursements, credit sales, and credit purchases.

Special journals simplify the recording process in the following ways: (1) journalizing the effects of a particular transaction is made more efficient through the use of specifically designed formats; (2) individual transactions are not posted to the general ledger accounts, but are accumulated in the special journals and a summary posting is made on a periodic basis; and (3) the responsibility for recording journal entries for the repetitive types of transactions is placed on individuals who have specialized training in handling them.

### **Question 2–21**

The general ledger is a collection of control accounts representing assets, liabilities, permanent and temporary shareholders' equity accounts. The subsidiary ledger contains a group of subsidiary accounts associated with a particular general ledger control account. For example, there will be a subsidiary ledger for accounts receivable that will keep track of the increases and decreases in the account receivable balance for each of the company's customers purchasing goods or services on credit. At any point in time, the balance in the accounts receivable control account should equal the sum of the balances in the accounts receivable subsidiary ledger accounts.

# BRIEF EXERCISES

## Brief Exercise 2–1

	<b>Assets</b>	<b>=</b>	<b>Liabilities + Paid-in Capital + Retained Earnings</b>
1.	+ 165,000 (inventory)		+ 165,000 (accounts payable)
2.	– 40,000 (cash)		– 40,000 (expense)
3.	+ 200,000 (accounts receivable)		+ 200,000 (revenue)
	– 120,000 (inventory)		– 120,000 (expense)
4.	+ 180,000 (cash)		
	– 180,000 (accounts receivable)		
5.	– 145,000 (cash)		– 145,000 (accounts payable)

## Brief Exercise 2–2

1.	Inventory .....	165,000	
	Accounts payable .....		165,000
2.	Salaries expense .....	40,000	
	Cash .....		40,000
3.	Accounts receivable .....	200,000	
	Sales revenue .....		200,000
	Cost of goods sold .....	120,000	
	Inventory .....		120,000
4.	Cash .....	180,000	
	Accounts receivable .....		180,000
5.	Accounts payable .....	145,000	
	Cash .....		145,000

## Brief Exercise 2–3

### *BALANCE SHEET ACCOUNTS*

#### Cash

6/1 Bal.	65,000		
4.	180,000	40,000	2.
		145,000	5.
<b>6/30 Bal.</b>	<b>60,000</b>		

#### Accounts receivable

6/1 Bal.	43,000		
3.	200,000	180,000	4.
<b>6/30 Bal.</b>	<b>63,000</b>		

#### Inventory

6/1 Bal.	0		
1.	165,000	120,000	3.
<b>6/30 Bal.</b>	<b>45,000</b>		

#### Accounts payable

6/1 Bal.		22,000	
5.	145,000	165,000	1.
<b>6/30 Bal.</b>		<b>42,000</b>	

### *INCOME STATEMENT ACCOUNTS*

#### Sales revenue

	0	6/1 Bal.	
	200,000	3.	
	200,000	<b>6/30 Bal.</b>	

#### Cost of goods sold

6/1 Bal.	0		
3.	120,000		
<b>6/30 Bal.</b>	<b>120,000</b>		

#### Salaries expense

6/1 Bal.	0		
2.	40,000		
<b>6/30 Bal.</b>	<b>40,000</b>		

## Brief Exercise 2–4

1.	Prepaid insurance.....	12,000	
	Cash .....		12,000
2.	Note receivable .....	10,000	
	Cash .....		10,000
3.	Equipment .....	60,000	
	Cash .....		60,000

## Brief Exercise 2–5

1.	Insurance expense ( $\$12,000 \times \frac{3}{12}$ ).....	3,000	
	Prepaid insurance .....		3,000
2.	Interest receivable ( $\$10,000 \times 6\% \times \frac{6}{12}$ ).....	300	
	Interest revenue.....		300
3.	Depreciation expense.....	12,000	
	Accumulated depreciation – equipment.....		12,000

## Brief Exercise 2–6

Net income would be **higher** by **\$14,700** ( $\$3,000 - 300 + 12,000$ ).



## Brief Exercise 2–7

1.	Service revenue .....	4,000	
	Deferred service revenue .....		4,000
2.	Advertising expense ( $\$2,000 \times \frac{1}{2}$ ) .....	1,000	
	Prepaid advertising .....		1,000
3.	Salaries expense .....	16,000	
	Salaries payable.....		16,000
4.	Interest expense ( $\$60,000 \times 8\% \times \frac{4}{12}$ ).....	1,600	
	Interest payable .....		1,600

## Brief Exercise 2–8

Assets would be higher by \$1,000, the amount of prepaid advertising that expired during the month. Liabilities would be lower by \$21,600 ( $\$4,000 + 16,000 + 1,600$ ). Shareholders' equity (and net income for the period) would be higher by \$22,600.

## Brief Exercise 2–9

1.	Interest receivable .....	2,250	
	Interest revenue ( $\$50,000 \times 6\% \times \frac{9}{12}$ ).....		2,250
2.	Rent expense ( $\$12,000 \times \frac{3}{12}$ ) .....	3,000	
	Prepaid rent .....		3,000
3.	Supplies expense ( $\$3,000 + 5,000 - 4,200$ ).....	3,800	
	Supplies .....		3,800
4.	Salaries and wages expense .....	6,000	
	Salaries and wages payable.....		6,000

## Brief Exercise 2–10

**BOWLER CORPORATION**  
Income Statement  
For the Year Ended December 31, 2018

Sales revenue .....		\$325,000
Cost of goods sold .....		<u>168,000</u>
Gross profit .....		157,000
Operating expenses:		
Salaries .....	\$45,000	
Rent .....	20,000	
Depreciation .....	30,000	
Miscellaneous .....	<u>12,000</u>	
Total operating expenses .....		<u>107,000</u>
Net income .....		<u>\$ 50,000</u>

## Brief Exercise 2–11

<b>BOWLER CORPORATION</b>		
Balance Sheet		
At December 31, 2018		
<b>Assets</b>		
Current assets:		
Cash .....		\$ 5,000
Accounts receivable .....		10,000
Inventory .....		<u>16,000</u>
Total current assets .....		31,000
Property and equipment:		
Equipment .....	\$100,000	
Less: Accumulated depreciation .....	<u>(40,000)</u>	<u>60,000</u>
Total assets .....		<u>\$91,000</u>
<b>Liabilities and Shareholders' Equity</b>		
Current liabilities:		
Accounts payable .....		\$ 20,000
Salaries payable .....		<u>12,000</u>
Total current liabilities .....		32,000
Shareholders' equity:		
Common stock .....	\$50,000	
Retained earnings .....	<u>9,000</u>	
Total shareholders' equity .....		<u>59,000</u>
Total liabilities and shareholders' equity .....		<u>\$91,000</u>

## Brief Exercise 2–12

Sales revenue .....	850,000	
Income summary .....		850,000
Income summary .....	815,000	
Cost of goods sold .....		580,000
Salaries expense .....		180,000
Rent expense .....		40,000
Interest expense.....		15,000
Income summary (\$850,000 – 815,000) .....	35,000	
Retained earnings .....		35,000

## Brief Exercise 2–13

*Revenues* \$428,000\*

*Expenses:*

Salaries	(240,000)
Utilities	(33,000)**
Advertising	<u>(12,000)</u>
Net Income	<u>\$143,000</u>

\*\$420,000 cash received plus \$8,000 increase (\$60,000 – 52,000) in amount due from customers:

Cash .....	420,000
Accounts receivable (increase in account).....	8,000
Sales revenue (to balance) .....	428,000

\*\* \$35,000 cash paid less \$2,000 decrease in amount owed to utility company:

Utilities expense (to balance) .....	33,000
Utilities payable (decrease in account) .....	2,000
Cash .....	35,000

# EXERCISES

## Exercise 2–1

	<b>Assets</b>	=	<b>Liabilities + Paid-in Capital + Retained Earnings</b>
1.	+ 300,000 (cash)		+ 300,000 (common stock)
2.	- 10,000 (cash)		
	+ 40,000 (equipment)		+ 30,000 (note payable)
3.	+ 90,000 (inventory)		+ 90,000 (accounts payable)
4.	+ 120,000 (accounts receivable)		+ 120,000 (revenue)
	- 70,000 (inventory)		- 70,000 (expense)
5.	- 5,000 (cash)		- 5,000 (expense)
6.	- 6,000 (cash)		
	+ 6,000 (prepaid insurance)		
7.	- 70,000 (cash)		- 70,000 (accounts payable)
8.	+ 55,000 (cash)		
	- 55,000 (accounts receivable)		
9.	- 1,000 (accumulated depreciation)		- 1,000 (expense)

## Exercise 2–2

1.	Cash .....	300,000	
	Common stock.....		300,000
2.	Equipment .....	40,000	
	Note payable.....		30,000
	Cash .....		10,000
3.	Inventory .....	90,000	
	Accounts payable .....		90,000
4.	Accounts receivable .....	120,000	
	Sales revenue.....		120,000
	Cost of goods sold.....	70,000	
	Inventory .....		70,000
5.	Rent expense .....	5,000	
	Cash .....		5,000
6.	Prepaid insurance .....	6,000	
	Cash .....		6,000
7.	Accounts payable .....	70,000	
	Cash .....		70,000
8.	Cash .....	55,000	
	Accounts receivable .....		55,000
9.	Depreciation expense .....	1,000	
	Accumulated depreciation.....		1,000

## Exercise 2–3

## BALANCE SHEET ACCOUNTS

### Cash

3/1 Bal.	0		
1.	300,000	10,000	2.
8.	55,000	5,000	5.
		6,000	6.
		70,000	7.
<b>3/31 Bal.</b>	264,000		

### Accounts receivable

3/1 Bal.	0		
4.	120,000	55,000	8.
<b>3/31 Bal.</b>	65,000		

### Inventory

3/1 Bal.	0		
3.	90,000	70,000	4.
<b>3/31 Bal.</b>	20,000		

### Prepaid insurance

3/1 Bal.	0		
6.	6,000		
<b>3/31 Bal.</b>	6,000		

### Equipment

3/1 Bal.	0		
2.	40,000		
<b>3/31 Bal.</b>	40,000		

### Accumulated depreciation

		0	3/1 Bal.
		1,000	9.
		1,000	<b>3/31 Bal.</b>

### Accounts payable

		0	3/1 Bal.
7.	70,000	90,000	3.
		20,000	<b>3/31 Bal.</b>

### Note payable

		0	3/1 Bal.
		30,000	2.
		30,000	<b>3/31 Bal.</b>

### Common stock

		0	3/1 Bal.
		300,000	1.
		300,000	<b>3/31 Bal.</b>



*Exercise 2–3 (concluded)*

**INCOME STATEMENT ACCOUNTS**

**Sales revenue**

	0	3/1 Bal.
	120,000	4.
	120,000	<b>3/31 Bal.</b>

**Cost of goods sold**

3/1 Bal.	0
4.	70,000
<b>3/31 Bal.</b>	70,000

**Rent expense**

3/1 Bal.	0
5.	5,000
<b>3/31 Bal.</b>	5,000

**Depreciation expense**

3/1 Bal.	0
9.	1,000
<b>3/31 Bal.</b>	1,000

<b>Account Title</b>	<b>Debits</b>	<b>Credits</b>
Cash	264,000	
Accounts receivable	65,000	
Inventory	20,000	
Prepaid insurance	6,000	
Equipment	40,000	
Accumulated depreciation		1,000
Accounts payable		20,000
Note payable		30,000
Common stock		300,000
Sales revenue		120,000
Cost of goods sold	70,000	
Rent expense	5,000	
Depreciation expense	1,000	
Totals	471,000	471,000

## Exercise 2–4

1.	Cash.....	500,000	
	Common stock.....		500,000
2.	Furniture and fixtures .....	100,000	
	Cash .....		40,000
	Note payable .....		60,000
3.	Inventory .....	200,000	
	Accounts payable .....		200,000
4.	Accounts receivable.....	280,000	
	Sales revenue.....		280,000
	Cost of goods sold .....	140,000	
	Inventory .....		140,000
5.	Rent expense .....	6,000	
	Cash .....		6,000
6.	Prepaid insurance.....	3,000	
	Cash .....		3,000
7.	Accounts payable.....	120,000	
	Cash .....		120,000
8.	Cash.....	55,000	
	Accounts receivable .....		55,000
9.	Retained earnings .....	5,000	
	Cash .....		5,000
10.	Depreciation expense.....	2,000	
	Accumulated depreciation .....		2,000
11.	Insurance expense (\$3,000 ÷ 12 months) .....	250	
	Prepaid insurance .....		250

## Exercise 2–5

### List A

- k 1. Source documents
- e 2. Transaction analysis
- a 3. Journal
- j 4. Posting
- f 5. Unadjusted trial balance
- b 6. Adjusting entries
- h 7. Adjusted trial balance
- c 8. Financial statements
- d 9. Closing entries
- g 10. Post-closing trial balance
- i 11. Worksheet

### List B

- a. Record of the dual effect of a transaction in debit/credit form.
- b. Internal events recorded at the end of a reporting period.
- c. Primary means of disseminating information to external decision makers.
- d. To zero out the owners' equity temporary accounts.
- e. Determine the dual effect on the accounting equation.
- f. List of accounts and their balances before recording adjusting entries.
- g. List of accounts and their balances after recording closing entries.
- h. List of accounts and their balances after recording adjusting entries.
- i. A means of organizing information; not part of the formal accounting system.
- j. Transferring balances from the journal to the ledger.
- k. Used to identify and process external transactions.

## Exercise 2–6

	<u>Increase (I) or Decrease (D)</u>	<u>Account</u>
1.	<u>I</u>	Inventory
2.	<u>I</u>	Depreciation expense
3.	<u>D</u>	Accounts payable
4.	<u>I</u>	Prepaid rent
5.	<u>D</u>	Sales revenue
6.	<u>D</u>	Common stock
7.	<u>D</u>	Salaries and wages payable
8.	<u>I</u>	Cost of goods sold
9.	<u>I</u>	Utility expense
10.	<u>I</u>	Equipment
11.	<u>I</u>	Accounts receivable
12.	<u>D</u>	Utilities payable
13.	<u>I</u>	Rent expense
14.	<u>I</u>	Interest expense
15.	<u>D</u>	Interest revenue

## Exercise 2–7

	<u>Account(s) Debited</u>	<u>Account(s) Credited</u>
<i>Example:</i> Purchased inventory for cash	3	5
1. Paid a cash dividend.	10	5
2. Paid rent for the next three months.	8	5
3. Sold goods to customers on account.	4, 16	9, 3
4. Purchased inventory on account.	3	1
5. Purchased supplies for cash.	6	5
6. Paid employee salaries and wages for September.	15	5
7. Issued common stock in exchange for cash.	5	12
8. Collected cash from customers for goods sold in 3.	5	4
9. Borrowed cash from a bank and signed a note.	5	11
10. At the end of October, recorded the amount of supplies that had been used during the month.	7	6
11. Received cash for advance payment from customer.	5	13
12. Accrued employee salaries and wages for October.	17	15

## Exercise 2–8

1. Prepaid insurance ( $\$12,000 \times \frac{30}{36}$ ) .....	10,000	
Insurance expense .....		10,000
2. Depreciation expense.....	15,000	
Accumulated depreciation .....		15,000
3. Salaries expense.....	18,000	
Salaries payable .....		18,000
4. Interest expense ( $\$200,000 \times 12\% \times \frac{2}{12}$ ).....	4,000	
Interest payable .....		4,000
5. Deferred rent revenue .....	1,500	
Rent revenue ( $\frac{1}{2} \times \$3,000$ ) .....		1,500

## Exercise 2–9

1. Interest receivable ( $\$90,000 \times 8\% \times \frac{3}{12}$ ) .....	1,800	
Interest revenue .....		1,800
2. Rent expense ( $\$6,000 \times \frac{2}{3}$ ).....	4,000	
Prepaid rent .....		4,000
3. Rent revenue ( $\$12,000 \times \frac{7}{12}$ ) .....	7,000	
Deferred rent revenue .....		7,000
4. Depreciation expense .....	4,500	
Accumulated depreciation.....		4,500
5. Salaries expense .....	8,000	
Salaries payable.....		8,000
6. Supplies expense ( $\$2,000 + 6,500 - 3,250$ ).....	5,250	
Supplies .....		5,250

## Exercise 2–10

1. \$7,200 represents nine months of interest on a \$120,000 note, or 75% of annual interest.

$$\$7,200 \div 0.75 = \$9,600 \text{ in annual interest}$$

$$\$9,600 \div \$120,000 = \mathbf{8\% \text{ interest rate}}$$

Or,

$$\$7,200 \div \$120,000 = .06 \text{ nine-month rate}$$

$$\text{To annualize the nine month rate: } .06 \times 12/9 = .08 \text{ or } 8\%$$

2.  $\$60,000 \div 12 \text{ months} = \$5,000 \text{ per month in rent}$   
 $\$35,000 \div \$5,000 = 7 \text{ months expired. The rent was paid on } \mathbf{June 1}$ , seven months ago.

3. \$500 represents two months (November and December) in accrued interest, or \$250 per month.

$$\$250 \times 12 \text{ months} = \$3,000 \text{ in annual interest}$$

$$\text{Principal} \times 6\% = \$3,000$$

$$\text{Principal} = \$3,000 \div .06 = \mathbf{\$50,000 \text{ note}}$$



## Exercise 2–11

1. Insurance expense ( $\$6,000 \times \frac{3}{12}$ ) .....	1,500	
Prepaid insurance .....		1,500
2. Interest expense ( $\$80,000 \times 8\% \times \frac{3}{12}$ ).....	1,600	
Interest payable .....		1,600
3. Deferred rent revenue ( $\$24,000 \times \frac{3}{12}$ ).....	6,000	
Rent revenue .....		6,000
4. Depreciation expense ( $\$20,000 \times \frac{3}{12}$ ) .....	5,000	
Accumulated depreciation - building.....		5,000
5. Salaries and wages expense .....	16,000	
Salaries and wages payable.....		16,000

## Exercise 2–12

### Requirement 1

<b>BLUEBOY CHEESE CORPORATION</b>		
Income Statement		
For the Year Ended December 31, 2018		
Sales revenue .....		\$800,000
Cost of goods sold .....		<u>480,000</u>
Gross profit .....		320,000
Operating expenses:		
Salaries.....	\$120,000	
Rent.....	30,000	
Depreciation .....	60,000	
Advertising .....	<u>5,000</u>	
Total operating expenses .....		<u>215,000</u>
Operating income .....		105,000
Other expense:		
Interest .....		<u>4,000</u>
Net income .....		<u>\$101,000</u>

*Exercise 2–12 (continued)*

<b>BLUEBOY CHEESE CORPORATION</b>		
Balance Sheet		
At December 31, 2018		
<b>Assets</b>		
Current assets:		
Cash .....		\$ 21,000
Accounts receivable .....		300,000
Inventory .....		50,000
Prepaid rent .....		<u>10,000</u>
Total current assets .....		381,000
Property and equipment:		
Office equipment .....	\$600,000	
Less: Accumulated depreciation .....	<u>(250,000)</u>	<u>350,000</u>
Total assets .....		<u>\$731,000</u>
<b>Liabilities and Shareholders' Equity</b>		
Current liabilities:		
Accounts payable .....		\$ 60,000
Salaries payable .....		8,000
Interest payable .....		2,000
Note payable .....		<u>60,000</u>
Total current liabilities .....		130,000
Shareholders' equity:		
Common stock .....	\$400,000	
Retained earnings .....	<u>201,000*</u>	
Total shareholders' equity .....		<u>601,000</u>
Total liabilities and shareholders' equity		<u>\$731,000</u>

\*Beginning balance of \$100,000 plus net income of \$101,000.

*Exercise 2–12 (concluded)*

**Requirement 2**

<b>December 31, 2018</b>	
Sales revenue .....	800,000
Income summary .....	800,000
Income summary .....	699,000
Cost of goods sold .....	480,000
Salaries expense .....	120,000
Rent expense .....	30,000
Depreciation expense .....	60,000
Interest expense.....	4,000
Advertising expense.....	5,000
Income summary (\$800,000 – 699,000) .....	101,000
Retained earnings.....	101,000

## Exercise 2–13

<b>December 31, 2018</b>		
Sales revenue .....	750,000	
Interest revenue .....	3,000	
Income summary .....		753,000
Income summary .....	576,000	
Cost of goods sold .....		420,000
Salaries expense .....		100,000
Rent expense.....		15,000
Depreciation expense .....		30,000
Interest expense .....		5,000
Insurance expense .....		6,000
Income summary (\$753,000 – 576,000).....	177,000	
Retained earnings .....		177,000

## Exercise 2–14

### December 31, 2018

Sales revenue .....	492,000
Interest revenue .....	6,000
Gain on sale of investments .....	8,000
Income summary .....	506,000
Income summary .....	440,000
Cost of goods sold .....	284,000
Salaries expense .....	80,000
Insurance expense .....	12,000
Interest expense.....	4,000
Advertising expense.....	10,000
Income tax expense.....	30,000
Depreciation expense .....	20,000
Income summary (\$506,000 – 440,000) .....	66,000
Retained earnings .....	66,000

## Exercise 2–15

### Requirement 1

Supplies			
11/30 Balance	1,500		
		Expense	2,000
Purchased	?		
12/31 Balance	3,000		

Cost of supplies purchased = \$3,000 + 2,000 – 1,500 = **\$3,500**

### Requirement 2

Prepaid insurance			
11/30 Balance	6,000		
		Expense	?
12/31 Balance	4,500		

Insurance expense for December = \$6,000 – 4,500 = **\$1,500**

#### December 31, 2018

Insurance expense.....	1,500	
Prepaid insurance .....		1,500

*Exercise 2–15 (concluded)*

**Requirement 3**

<b>Salaries and Wages Payable</b>	
	10,000 11/30 Balance
Salaries and wages paid 10,000	?    Accrued salaries and wages
	15,000 12/31 Balance

Accrued salaries and wages for December = **\$15,000**

**December 31, 2018**

Salaries and wages expense .....	15,000	
Salaries and wages payable .....		15,000

**Requirement 4**

Deferred rent revenue	
	2,000 11/30 Balance
Recognized for Dec. 1,000	
	1,000 12/31 Balance

Rent revenue recognized each month =  $\$3,000 \times \frac{1}{3} = \mathbf{\$1,000}$

**December 31, 2018**

Deferred rent revenue .....	1,000	
Rent revenue .....		1,000



## Exercise 2–16

### Requirement 1

<b>2018</b>		<b>Debit</b>	<b>Credit</b>
Feb. 1	Cash .....	12,000	
	Note payable .....		12,000
April 1	Prepaid insurance .....	3,600	
	Cash .....		3,600
July 17	Supplies .....	2,800	
	Accounts payable .....		2,800
Nov. 1	Note receivable .....	6,000	
	Cash .....		6,000

---

### Requirement 2

<b>2018</b>		<b>Debit</b>	<b>Credit</b>
Dec. 31	Interest expense ( $\$12,000 \times 10\% \times \frac{11}{12}$ ) .....	1,100	
	Interest payable .....		1,100
Dec. 31	Insurance expense ( $\$3,600 \times \frac{9}{24}$ ) .....	1,350	
	Prepaid insurance .....		1,350
Dec. 31	Supplies expense ( $\$2,800 - 1,250$ ) .....	1,550	
	Supplies .....		1,550
Dec. 31	Interest receivable .....	80	
	Interest revenue ( $\$6,000 \times 8\% \times \frac{2}{12}$ ) .....		80

---

## Exercise 2–17

Unadjusted net income	\$30,000
<b>Adjustments:</b>	
a. Only \$2,000 in insurance should be expensed	+ 4,000
b. Sales revenue overstated	– 1,000
c. Supplies expense overstated	+ 750
d. Interest expense understated ( $\$20,000 \times 12\% \times \frac{3}{12}$ )	– <u>600</u>
Adjusted net income	<u>\$33,150</u>

## Exercise 2–18

<b>Stanley and Jones Lawn Service Company</b> Income Statement For the Year Ended December 31, 2018		
Sales revenue (1) .....		\$315,000
Operating expenses:		
Salaries .....	\$180,000	
Supplies (2).....	24,500	
Rent .....	12,000	
Insurance (3) .....	4,000	
Miscellaneous (4) .....	21,000	
Depreciation .....	<u>10,000</u>	
Total operating expenses .....		<u>251,500</u>
Operating income .....		63,500
Other expense:		
Interest (5).....		<u>1,500</u>
Net income .....		<u>\$62,000</u>

(1) \$320,000 cash collected less \$5,000 decrease in accounts receivable.

Cash .....	320,000	
Accounts receivable (decrease in account) .....		5,000
Sales revenue (to balance) .....		315,000

(2) \$25,000 cash paid for the purchase of supplies less \$500 increase in supplies.

Supplies expense (to balance) .....	24,500	
Supplies (increase in account).....		500
Cash .....		25,000

**Exercise 2–18 (concluded)**

(3) \$6,000 cash paid for insurance less \$2,000 ending balance in prepaid insurance.

Insurance expense (to balance) .....	4,000	
Prepaid insurance (increase in account) .....	2,000	
Cash .....		6,000

(4) \$20,000 cash paid for miscellaneous expenses plus increase in accrued liabilities.

Miscellaneous expense (to balance) .....	21,000	
Accrued liabilities (increase in account) .....		1,000
Cash .....		20,000

(5)  $\$100,000 \times 6\% \times \frac{3}{12} = \$1,500$

Interest expense .....	1,500	
Interest payable .....		1,500

## Exercise 2–19

Cash basis income (\$545,000 – 412,000)	\$133,000
<i>Add:</i>	
Increase in prepaid insurance (\$6,000 – 4,500)	1,500
<i>Deduct:</i>	
Depreciation expense	(22,000)
Decrease in accounts receivable (\$62,000 – 55,000)	(7,000)
Decrease in prepaid rent (\$9,200 – 8,200)	(1,000)
Increase in deferred service fee revenue (\$11,000 – 9,200)	(1,800)
Increase in accrued liabilities (\$15,600 – 12,200)	<u>(3,400)</u>
Accrual basis net income	<u><b>\$ 99,300</b></u>

## Exercise 2–20

### Requirement 1

Account Title	Unadjusted Trial Balance		Adjusting Entries		Adjusted Trial Balance		Income Statement		Balance Sheet	
	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.
Cash	20,000				20,000				20,000	
Accounts receivable	35,000				35,000				35,000	
Prepaid rent	5,000				5,000				5,000	
Inventory	50,000				50,000				50,000	
Equipment	100,000				100,000				100,000	
Accumulated depreciation- equipment		30,000	(1)	10,000		40,000				40,000
Accounts payable		25,000				25,000				25,000
Salaries and wages payable		0	(2)	4,000		4,000				4,000
Common stock		100,000				100,000				100,000
Retained earnings		29,000				29,000				29,000
Sales revenue		323,000				323,000		323,000		
Cost of goods sold	180,000				180,000		180,000			
Salaries and wages expense	71,000		(2)	4,000	75,000		75,000			
Rent expense	30,000				30,000		30,000			
Depreciation expense	0		(1)	10,000	10,000		10,000			
Utility expense	12,000				12,000		12,000			
Advertising expense	4,000				4,000		4,000			
							311,000	323,000	210,000	198,000
Net Income							12,000			12,000
Totals	507,000	507,000	14,000	14,000	521,000	521,000	323,000	323,000	210,000	210,000

*Exercise 2–20 (continued)*

**Requirement 2**

<b>WOLKSTEIN DRUG COMPANY</b>		
Income Statement		
For the Year Ended December 31, 2018		
Sales revenue .....		\$323,000
Cost of goods sold .....		<u>180,000</u>
Gross profit .....		143,000
Operating expenses:		
Salaries and wages .....	\$75,000	
Rent .....	30,000	
Depreciation .....	10,000	
Utilities .....	12,000	
Advertising .....	<u>4,000</u>	
Total operating expenses .....		<u>131,000</u>
Net income .....		<u>\$ 12,000</u>

*Exercise 2–20 (concluded)*

**WOLKSTEIN DRUG COMPANY**

Balance Sheet  
At December 31, 2018

**Assets**

Current assets:

Cash .....		\$ 20,000
Accounts receivable .....		35,000
Inventory .....		50,000
Prepaid rent .....		<u>5,000</u>
Total current assets .....		110,000

Property and equipment:

Equipment .....	\$100,000	
Less: Accumulated depreciation .....	<u>(40,000)</u>	<u>60,000</u>
Total assets .....		<u>\$170,000</u>

**Liabilities and Shareholders' Equity**

Current liabilities:

Accounts payable .....		\$ 25,000
Salaries and wages payable .....		<u>4,000</u>
Total current liabilities .....		29,000

Shareholders' equity:

Common stock .....	\$100,000	
Retained earnings .....	<u>41,000*</u>	
Total shareholders' equity .....		<u>141,000</u>
Total liabilities and shareholders' equity .....		<u>\$170,000</u>

\*Beginning balance of \$29,000 plus net income of \$12,000.



## Exercise 2–21

### Requirement 1

#### June 30 - adjusting entry

Salaries and wages expense ( $\$10,000 \times \frac{3}{5}$ ).....	6,000	
Salaries and wages payable .....		6,000

#### July 1 - reversing entry

Salaries and wages payable .....	6,000	
Salaries and wages expense .....		6,000

#### July 2 – payment of salaries

Salaries and wages expense .....	10,000	
Cash .....		10,000

### Requirement 2

#### June 30 - adjusting entry

Salaries and wages expense .....	6,000	
Salaries and wages payable .....		6,000

#### July 2 - payment of salaries

Salaries and wages expense .....	4,000	
Salaries and wages payable .....	6,000	
Cash .....		10,000

## Exercise 2–22

### Requirement 1

The accountant would reverse adjusting entry 1, the accrual of interest receivable, and entry 5, the accrual of salaries payable.

### Requirement 2

1. Interest receivable ( $\$90,000 \times 8\% \times 3/12$ ).....	1,800	
Interest revenue.....		1,800
5. Salaries expense .....	8,000	
Salaries payable .....		8,000

### Requirement 3

1. Interest revenue .....	1,800	
Interest receivable.....		1,800
5. Salaries payable .....	8,000	
Salaries expense.....		8,000

## Exercise 2–23

### Requirement 1

The transactions affected would be the prepayment of rent, transaction 2, and the purchase of supplies in transaction 6.

### Requirement 2

#### 2. Original transaction on November 1:

Rent expense .....	6,000	
Cash .....		6,000

#### Adjusting entry on December 31:

Prepaid rent (\$6,000 x 1/3).....	2,000	
Rent expense .....		2,000

#### 6. Original transaction during the year:

Supplies expense .....	6,500	
Cash.....		6,500

#### Adjusting entry on December 31:

Supplies .....	3,250	
Supplies expense .....		3,250

### Requirement 3

2. Rent expense .....	2,000	
Prepaid rent .....		2,000

6. Supplies expense .....	3,250	
Supplies .....		3,250

## Exercise 2–24

<b>Transaction</b>	<b>Journal</b>
1. Purchased merchandise on account.	PJ
2. Collected an account receivable.	CR
3. Borrowed \$20,000 and signed a note.	CR
4. Recorded depreciation expense.	GJ
5. Purchased equipment for cash.	CD
6. Sold merchandise for cash. (the sale only, not the cost of the merchandise)	CR
7. Sold merchandise on credit. (the sale only, not the cost of the merchandise)	SJ
8. Recorded accrued salaries and wages payable.	GJ
9. Paid employee salaries and wages.	CD
10. Sold equipment for cash.	CR
11. Sold equipment on credit.	GJ
12. Paid a cash dividend to shareholders.	CD
13. Issued common stock in exchange for cash.	CR
14. Paid accounts payable.	CD

## Exercise 2–25

Transaction	Journal
1. Paid interest on a loan.	CD
2. Recorded depreciation expense.	GJ
3. Purchased furniture for cash.	CD
4. Purchased merchandise on account.	PJ
5. Sold merchandise on credit. (the sale only, not the cost of the merchandise)	SJ
6. Sold merchandise for cash. (the sale only, not the cost of the merchandise)	CR
7. Paid rent.	CD
8. Recorded accrued interest payable.	GJ
9. Paid advertising bill.	CD
10. Sold equipment on credit.	GJ
11. Collected cash from customers on account.	CR
12. Paid employee salaries and wages.	CD
13. Collected interest on a note receivable.	CR

# PROBLEMS

## Problem 2–1

### Requirement 1

2018		Debit	Credit
Jan. 1	Cash .....	100,000	
	Common stock .....		100,000
Jan. 2	Inventory .....	35,000	
	Accounts payable .....		35,000
Jan. 4	Prepaid insurance .....	2,400	
	Cash .....		2,400
Jan. 10	Accounts receivable .....	12,000	
	Sales revenue .....		12,000
Jan. 10	Cost of goods sold .....	7,000	
	Inventory .....		7,000
Jan. 15	Cash .....	30,000	
	Note payable .....		30,000
Jan. 20	Salaries and wages expense .....	6,000	
	Cash .....		6,000
Jan. 22	Cash .....	10,000	
	Sales revenue .....		10,000
Jan. 22	Cost of goods sold .....	6,000	
	Inventory .....		6,000
Jan. 24	Accounts payable .....	15,000	
	Cash .....		15,000
Jan. 26	Cash .....	6,000	
	Accounts receivable .....		6,000
Jan. 28	Utilities expense .....	1,000	
	Cash .....		1,000
Jan. 30	Prepaid rent .....	2,000	
	Rent expense .....	2,000	
	Cash .....		4,000

*Problem 2-1 (continued)*

**Requirement 2**

**BALANCE SHEET ACCOUNTS**

<b>Cash</b>			
1/1 Bal.	0		
1/1	100,000	2,400	1/4
1/15	30,000	6,000	1/20
1/22	10,000	15,000	1/24
1/26	6,000	1,000	1/28
		4,000	1/30
<hr/>			
<b>1/31 Bal.</b>	<b>117,600</b>		

<b>Accounts receivable</b>			
1/1 Bal.	0		
1/10	12,000	6,000	1/26
<hr/>			
<b>1/31 Bal.</b>	<b>6,000</b>		

<b>Inventory</b>			
1/1 Bal.	0		
1/2	35,000	7,000	1/10
		6,000	1/22
<hr/>			
<b>1/31 Bal.</b>	<b>22,000</b>		

<b>Prepaid insurance</b>			
1/1 Bal.	0		
1/4	2,400		
<hr/>			
<b>1/31 Bal.</b>	<b>2,400</b>		

<b>Prepaid rent</b>			
1/1 Bal.	0		
1/30	2,000		
<hr/>			
<b>1/31 Bal.</b>	<b>2,000</b>		

<b>Accounts payable</b>			
		0	1/1 Bal.
1/24	15,000	35,000	1/2
<hr/>			
		20,000	<b>1/31 Bal.</b>

<b>Note payable</b>			
		0	1/1 Bal.
		30,000	1/15
<hr/>			
		30,000	<b>1/31 Bal.</b>

<b>Common stock</b>			
		0	1/1 Bal.
		100,000	1/1
<hr/>			
		100,000	<b>1/31 Bal.</b>

*Problem 2-1 (continued)*

**INCOME STATEMENT ACCOUNTS**

**Sales revenue**

**Cost of goods sold**

	0	1/1 Bal.	1/1 Bal.	0
	12,000	1/10	1/10	7,000
	10,000	1/22	1/22	6,000
	<hr/>			<hr/>
	22,000	<b>1/31 Bal.</b>	<b>1/31 Bal.</b>	13,000

**Salaries and wages expense**

**Rent expense**

1/1 Bal.	0		1/1 Bal.	0
1/20	6,000		1/30	2,000
	<hr/>			<hr/>
<b>1/31 Bal.</b>	6,000		<b>1/31 Bal.</b>	2,000

**Utilities expense**

1/1 Bal.	0
1/28	1,000
	<hr/>
<b>1/31 Bal.</b>	1,000



*Problem 2-1 (concluded)*

**Requirement 3**

<b>Account Title</b>	<b>Debits</b>	<b>Credits</b>
Cash	117,600	
Accounts receivable	6,000	
Inventory	22,000	
Prepaid insurance	2,400	
Prepaid rent	2,000	
Accounts payable		20,000
Note payable		30,000
Common stock		100,000
Sales revenue		22,000
Cost of goods sold	13,000	
Salaries and wages expense	6,000	
Utilities expense	1,000	
Rent expense	<u>2,000</u>	<u>          </u>
Totals	<u>172,000</u>	<u>172,000</u>

## Problem 2–2

### Requirement 2

<b>2018</b>		<b>Debit</b>	<b>Credit</b>
Jan. 1	Cash .....	3,500	
	Sales revenue .....		3,500
Jan. 1	Cost of goods sold .....	2,000	
	Inventory .....		2,000
Jan. 2	Equipment .....	5,500	
	Accounts payable .....		5,500
Jan. 4	Advertising expense .....	150	
	Accounts payable .....		150
Jan. 8	Accounts receivable .....	5,000	
	Sales revenue .....		5,000
Jan. 8	Cost of goods sold .....	2,800	
	Inventory .....		2,800
Jan. 10	Inventory .....	9,500	
	Accounts payable .....		9,500
Jan. 13	Equipment .....	800	
	Cash .....		800
Jan. 16	Accounts payable .....	5,500	
	Cash .....		5,500
Jan. 18	Cash .....	4,000	
	Accounts receivable .....		4,000
Jan. 20	Rent expense .....	800	
	Cash .....		800
Jan. 30	Salaries and wages expense .....	3,000	
	Cash .....		3,000
Jan. 31	Retained earnings .....	1,000	
	Cash .....		1,000

*Problem 2–2 (continued)*

**Requirements 1 and 3**

***BALANCE SHEET ACCOUNTS***

**Cash**

1/1 Bal.	5,000		
1/1	3,500	800	1/13
1/18	4,000	5,500	1/16
		800	1/20
		3,000	1/30
		1,000	1/31
<b>1/31 Bal.</b>	<b>1,400</b>		

**Accounts receivable**

1/1 Bal.	2,000		
1/8	5,000	4,000	1/18
<b>1/31 Bal.</b>	<b>3,000</b>		

**Inventory**

1/1 Bal.	5,000		
1/10	9,500	2,000	1/1
		2,800	1/8
<b>1/31 Bal.</b>	<b>9,700</b>		

**Equipment**

1/1 Bal.	11,000		
1/2	5,500		
1/13	800		
<b>1/31 Bal.</b>	<b>17,300</b>		

*Problem 2-2 (continued)*

<b>Accumulated depreciation</b>				<b>Accounts payable</b>		
	3,500	1/1 Bal.			3,000	1/1 Bal.
			1/16	5,500	5,500	1/2
					150	1/4
					9,500	1/10
	3,500	<b>1/31 Bal.</b>			12,650	<b>1/31 Bal.</b>
<b>Common stock</b>				<b>Retained earnings</b>		
	10,000	1/1 Bal.			6,500	1/1 Bal.
			1/31	1,000		
	10,000	<b>1/31 Bal.</b>			5,500	<b>1/31 Bal.</b>

*Problem 2–2 (continued)*

**INCOME STATEMENT ACCOUNTS**

**Sales revenue**

	0	1/1 Bal.
	3,500	1/1
	5,000	1/8
	<hr/>	
	8,500	<b>1/31 Bal.</b>

**Cost of goods sold**

	0	1/1 Bal.
	2,000	1/1
	2,800	1/8
	<hr/>	
	4,800	<b>1/31 Bal.</b>

**Rent expense**

1/1 Bal.	0
1/20	800
	<hr/>
<b>1/31 Bal.</b>	800

**Salaries and wages expense**

1/1 Bal.	0
1/30	3,000
	<hr/>
<b>1/31 Bal.</b>	3,000

**Advertising expense**

1/1 Bal.	0
1/4	150
	<hr/>
<b>1/31 Bal.</b>	150

*Problem 2–2 (concluded)*

**Requirement 4**

<b>Account Title</b>	<b>Debits</b>	<b>Credits</b>
Cash	1,400	
Accounts receivable	3,000	
Inventory	9,700	
Equipment	17,300	
Accumulated depreciation		3,500
Accounts payable		12,650
Common stock		10,000
Retained earnings		5,500
Sales revenue		8,500
Cost of goods sold	4,800	
Salaries and wages expense	3,000	
Rent expense	800	
Advertising expense	<u>150</u>	
Totals	<u>40,150</u>	<u>40,150</u>

## Problem 2–3

1.	Depreciation expense .....	10,000	
	Accumulated depreciation.....		10,000
2.	Salaries and wages expense .....	1,500	
	Salaries and wages payable.....		1,500
3.	Interest expense ( $\$50,000 \times 12\% \times \frac{3}{12}$ ).....	1,500	
	Interest payable .....		1,500
4.	Interest receivable ( $\$20,000 \times 8\% \times \frac{10}{12}$ ).....	1,333	
	Interest revenue .....		1,333
5.	Prepaid insurance ( $\$6,000 \times \frac{15}{24}$ ) .....	3,750	
	Insurance expense .....		3,750
6.	Supplies expense ( $\$1,500 - 800$ ).....	700	
	Supplies .....		700
7.	Sales revenue.....	2,000	
	Deferred revenue .....		2,000
8.	Rent expense .....	1,000	
	Prepaid rent .....		1,000

## Problem 2–4

### Requirements 1 and 2

#### *BALANCE SHEET ACCOUNTS*

<b>Cash</b>		<b>Accounts receivable</b>	
Bal.	30,000	Bal.	40,000
<b>12/31 Bal.</b>	<b>30,000</b>	<b>12/31 Bal.</b>	<b>40,000</b>

<b>Prepaid rent</b>			
Bal.	2,000		
		1,000	8.
<b>12/31 Bal.</b>	<b>1,000</b>		

<b>Prepaid insurance</b>		<b>Supplies</b>	
Bal.	0	Bal.	1,500
5.	3,750		700
<b>12/31 Bal.</b>	<b>3,750</b>	<b>12/31 Bal.</b>	<b>800</b>

<b>Inventory</b>		<b>Note receivable</b>	
Bal.	60,000	Bal.	20,000
<b>12/31 Bal.</b>	<b>60,000</b>	<b>12/31 Bal.</b>	<b>20,000</b>

<b>Office equipment</b>		<b>Interest receivable</b>	
Bal.	80,000	Bal.	0
		4.	1,333
<b>12/31 Bal.</b>	<b>80,000</b>	<b>12/31 Bal.</b>	<b>1,333</b>



*Problem 2–4 (continued)*

**Accumulated depreciation**

	30,000	Bal.
	10,000	1.
	<hr/>	
	40,000	<b>12/31 Bal.</b>

**Accounts payable**

	31,000	Bal.
	<hr/>	
	31,000	<b>12/31 Bal.</b>

**Salaries and wages payable**

	0	Bal.
	1,500	2.
	<hr/>	
	1,500	<b>12/31 Bal.</b>

**Note payable**

	50,000	Bal.
	<hr/>	
	50,000	<b>12/31 Bal.</b>

**Interest payable**

	0	Bal.
	1,500	3.
	<hr/>	
	1,500	<b>12/31 Bal.</b>

**Deferred revenue**

	0	Bal.
	2,000	7.
	<hr/>	
	2,000	<b>12/31 Bal.</b>

**Common stock**

	60,000	Bal.
	<hr/>	
	60,000	<b>12/31 Bal.</b>

**Retained earnings**

	24,500	Bal.
	<hr/>	
	24,500	<b>12/31 Bal.</b>

*Problem 2–4 (continued)*

**INCOME STATEMENT ACCOUNTS**

**Sales revenue**

		148,000	Bal.
7.	2,000		
		<b>146,000</b>	<b>12/31 Bal.</b>

**Interest revenue**

		0	Bal.
		1,333	4.
		<b>1,333</b>	<b>12/31 Bal.</b>

**Cost of goods sold**

Bal.	70,000	
<b>12/31 Bal.</b>	<b>70,000</b>	

**Salaries and wages expense**

Bal.	18,900	
2.	1,500	
<b>12/31 Bal.</b>	<b>20,400</b>	

**Rent expense**

Bal.	11,000	
8.	1,000	
<b>12/31 Bal.</b>	<b>12,000</b>	

**Depreciation expense**

Bal.	0	
1.	10,000	
<b>12/31 Bal.</b>	<b>10,000</b>	

**Interest expense**

Bal.	0	
3.	1,500	
<b>12/31 Bal.</b>	<b>1,500</b>	

**Supplies expense**

Bal.	1,100	
6.	700	
<b>12/31 Bal.</b>	<b>1,800</b>	

**Insurance expense**

Bal.	6,000		
		3,750	5.
<b>12/31 Bal.</b>	<b>2,250</b>		

**Advertising expense**

Bal.	3,000	
<b>12/31 Bal.</b>	<b>3,000</b>	

*Problem 2–4 (continued)*

**Requirement 3**

<b>Account Title</b>	<b>Debits</b>	<b>Credits</b>
Cash	30,000	
Accounts receivable	40,000	
Prepaid rent	1,000	
Prepaid insurance	3,750	
Supplies	800	
Inventory	60,000	
Note receivable	20,000	
Interest receivable	1,333	
Office equipment	80,000	
Accumulated depreciation—office equipment		40,000
Accounts payable		31,000
Salaries and wages payable		1,500
Note payable		50,000
Interest payable		1,500
Deferred revenue		2,000
Common stock		60,000
Retained earnings		24,500
Sales revenue		146,000
Interest revenue		1,333
Cost of goods sold	70,000	
Salaries and wages expense	20,400	
Rent expense	12,000	
Depreciation expense	10,000	
Interest expense	1,500	
Supplies expense	1,800	
Insurance expense	2,250	
Advertising expense	3,000	
Totals	<u>357,833</u>	<u>357,833</u>

*Problem 2–4 (continued)*

**Requirement 4**

<b>PASTINA COMPANY</b>		
Income Statement		
For the Year Ended December 31, 2018		
Sales revenue .....		\$146,000
Cost of goods sold .....		<u>70,000</u>
Gross profit .....		76,000
Operating expenses:		
Salaries and wages .....	\$20,400	
Rent .....	12,000	
Depreciation .....	10,000	
Supplies .....	1,800	
Insurance .....	2,250	
Advertising .....	<u>3,000</u>	
Total operating expenses .....		<u>49,450</u>
Operating income		26,550
Other income (expense):		
Interest revenue .....	1,333	
Interest expense .....	<u>(1,500)</u>	<u>(167)</u>
Net income .....		<u>\$ 26,383</u>

*Problem 2–4 (continued)*

	<b>Common Stock</b>	<b>Retained Earnings</b>	<b>Total Shareholders' Equity</b>
Balance at January 1, 2018	\$60,000	\$28,500	\$ 88,500
Issue of common stock	- 0 -		- 0 -
Net income for 2018		26,383	26,383
Less: Dividends	_____	<u>(4,000)</u>	<u>(4,000)</u>
Balance at December 31, 2018	<u>\$60,000</u>	<u>\$50,883</u>	<u>\$110,883</u>

*Problem 2–4 (continued)*

**PASTINA COMPANY**

Balance Sheet  
At December 31, 2018

**Assets**

Current assets:

Cash .....	\$ 30,000
Accounts receivable .....	40,000
Supplies .....	800
Inventory .....	60,000
Note receivable .....	20,000
Interest receivable .....	1,333
Prepaid rent .....	1,000
Prepaid insurance .....	<u>3,750</u>
Total current assets .....	156,883

Office equipment .....	\$80,000	
Less: Accumulated depreciation .....	<u>(40,000)</u>	<u>40,000</u>
Total assets .....		<u>\$196,883</u>

**Liabilities and Shareholders' Equity**

Current liabilities

Accounts payable .....	\$ 31,000
Salaries and wages payable .....	1,500
Note payable .....	50,000
Interest payable .....	1,500
Deferred revenue .....	<u>2,000</u>
Total current liabilities .....	86,000

Shareholders' equity:

Common stock .....	\$60,000	
Retained earnings .....	<u>50,883</u>	
Total shareholders' equity .....		<u>110,883</u>
Total liabilities and shareholders' equity .....		<u>\$196,883</u>

*Problem 2–4 (continued)*

**Requirement 5**

<b>December 31, 2018</b>		
Sales revenue .....	146,000	
Interest revenue .....	1,333	
Income summary .....		147,333
Income summary .....	120,950	
Cost of goods sold .....		70,000
Salaries and wages expense .....		20,400
Rent expense.....		12,000
Depreciation expense .....		10,000
Interest expense .....		1,500
Supplies expense .....		1,800
Insurance expense .....		2,250
Advertising expense .....		3,000
Income summary (\$147,333 – 120,950).....	26,383	
Retained earnings .....		26,383

**Problem 2–4 (continued)**

**Sales revenue**

		148,000	Bal.
7.	2,000		
Closing	146,000		
		0	<b>12/31 Bal.</b>

**Interest revenue**

		0	Bal.
		1,333	4.
Closing		1,333	
		0	<b>12/31 Bal.</b>

**Cost of goods sold**

Bal.	70,000		
		70,000	Closing
<b>12/31 Bal.</b>	0		

**Salaries and wages expense**

Bal.	18,900		
4.	1,500		
		20,400	Closing
<b>12/31 Bal.</b>	0		

**Rent expense**

Bal.	11,000		
8.	1,000		
		12,000	Closing
<b>12/31 Bal.</b>	0		

**Depreciation expense**

Bal.	0		
1.	10,000		
		10,000	Closing
<b>12/31 Bal.</b>	0		

**Interest expense**

Bal.	0		
3.	1,500		
		1,500	Closing
<b>12/31 Bal.</b>	0		

**Supplies expense**

Bal.	1,100		
6.	700		
		1,800	Closing
<b>12/31 Bal.</b>	0		



*Problem 2–4 (continued)*

**Insurance expense**

Bal.	6,000		
		3,750	5.
		2,250	Closing
<b>12/31 Bal.</b>	<b>0</b>		

**Advertising expense**

Bal.	3,000		
		3,000	Closing
<b>12/31 Bal.</b>	<b>0</b>		

**Income summary**

Bal.	0		
		147,333	Closing
Closing	120,950		
Closing	26,383		
<b>12/31 Bal.</b>	<b>0</b>		

**Retained earnings**

	24,500	Bal.
	26,383	Closing
<b>12/31 Bal.</b>	<b>50,883</b>	<b>12/31 Bal.</b>

*Problem 2–4 (concluded)*

**Requirement 6**

<b>Account Title</b>	<b>Debits</b>	<b>Credits</b>
Cash	30,000	
Accounts receivable	40,000	
Prepaid rent	1,000	
Prepaid insurance	3,750	
Supplies	800	
Inventory	60,000	
Note receivable	20,000	
Interest receivable	1,333	
Office equipment	80,000	
Accumulated depreciation—office equipment		40,000
Accounts payable		31,000
Salaries and wages payable		1,500
Note payable		50,000
Interest payable		1,500
Deferred revenue		2,000
Common stock		60,000
Retained earnings		<u>50,883</u>
Totals	<u>236,883</u>	<u>236,883</u>

## Problem 2–5

Rent expense.....	800	
Prepaid rent .....		800
Supplies expense .....	700	
Supplies .....		700
Interest receivable .....	1,500	
Interest revenue .....		1,500
Depreciation expense .....	6,500	
Accumulated depreciation.....		6,500
Salaries and wages expense .....	6,200	
Salaries and wages payable.....		6,200
Interest expense .....	2,500	
Interest payable.....		2,500
Rent revenue .....	2,000	
Deferred rent revenue.....		2,000

## Problem 2–6

### Requirement 2

<b>a.</b> Cash.....	70,000	
Accounts receivable .....	30,000	
Service revenue.....		100,000
<b>b.</b> Cash.....	27,300	
Accounts receivable.....		27,300
<b>c.</b> Cash.....	10,000	
Common stock .....		10,000
<b>d.</b> Salaries expense .....	41,000	
Salaries payable .....	9,000	
Cash.....		50,000
<b>e.</b> Miscellaneous expenses.....	24,000	
Cash.....		24,000
<b>f.</b> Equipment.....	15,000	
Cash.....		15,000
<b>g.</b> Retained earnings .....	2,500	
Cash.....		2,500

*Problem 2–6 (continued)*

**Requirements 1 and 3**

**BALANCE SHEET ACCOUNTS**

<b>Cash</b>				<b>Accounts receivable</b>			
1/1 Bal.	30,000			1/1 Bal.	15,000		
a.	70,000	50,000	d.	a.	30,000	27,300	b.
b.	27,300	24,000	e.				
c.	10,000	15,000	f.				
		2,500	g.				
<b>12/31 Bal.</b>				<b>12/31 Bal.</b>			
	45,800				17,700		

<b>Equipment</b>	
1/1 Bal.	20,000
f.	15,000
<b>12/31 Bal.</b>	
	35,000

<b>Accumulated depreciation</b>		
	6,000	1/1 Bal.
<b>12/31 Bal.</b>		
	6,000	

<b>Salaries payable</b>		
	9,000	1/1 Bal.
d.	9,000	
<b>12/31 Bal.</b>		
	0	

<b>Common stock</b>		
	40,500	1/1 Bal.
	10,000	c.
<b>12/31 Bal.</b>		
	50,500	

<b>Retained earnings</b>		
	9,500	1/1 Bal.
g.	2,500	
<b>12/31 Bal.</b>		
	12,000	

| 50,500 **12/31 Bal.**

| 7,000 **12/31 Bal.**

*Problem 2–6 (continued)*

**INCOME STATEMENT ACCOUNTS**

<b>Service revenue</b>		<b>Miscellaneous expenses</b>	
	0	1/1 Bal.	1/1 Bal.
	100,000	a.	e. 24,000
	100,000		24,000
	<b>12/31 Bal.</b>	<b>12/31 Bal.</b>	<b>24,000</b>

<b>Salaries expense</b>	
1/1 Bal.	0
d.	41,000
<b>12/31 Bal.</b>	41,000

**Requirement 4**

<b>Account Title</b>	<b>Debits</b>	<b>Credits</b>
Cash	45,800	
Accounts receivable	17,700	
Equipment	35,000	
Accumulated depreciation		6,000
Salaries payable		- 0 -
Common stock		50,500
Retained earnings		7,000
Service revenue		100,000
Salaries expense	41,000	
Miscellaneous expenses	<u>24,000</u>	
<b>Totals</b>	<b><u>163,500</u></b>	<b><u>163,500</u></b>

*Problem 2–6 (continued)*

**Requirement 5**

Salaries expense .....	1,000	
Salaries payable .....		1,000

Depreciation expense .....	2,000	
Accumulated depreciation .....		2,000



*Problem 2–6 (continued)*

**BALANCE SHEET ACCOUNTS**

Cash				Accounts receivable			
1/1 Bal.	30,000			1/1 Bal.	15,000		
a.	70,000	50,000	d.	a.	30,000	27,300	b.
b.	27,300	24,000	e.				
c.	10,000	15,000	f.				
		2,500	g.				
<b>12/31 Bal.</b>				<b>12/31 Bal.</b>			
	45,800				17,700		

Equipment	
1/1 Bal.	20,000
f.	15,000
<b>12/31 Bal.</b>	
	35,000

Accumulated depreciation		
	6,000	1/1 Bal.
	2,000	Adjusting
<b>12/31 Bal.</b>		
	8,000	

Salaries payable		
	9,000	1/1 Bal.
d.	9,000	1,000
		Adjusting
<b>12/31 Bal.</b>		
	1,000	

Common stock		
	40,500	1/1 Bal.
	10,000	c.
<b>12/31 Bal.</b>		
	50,500	

Retained earnings		
	9,500	1/1 Bal.
g.	2,500	
<b>12/31 Bal.</b>		
	7,000	

*Problem 2–6 (continued)*

**INCOME STATEMENT ACCOUNTS**

Service revenue		Miscellaneous expenses	
	0	1/1 Bal.	1/1 Bal. 0
	100,000	a.	e. 24,000
	100,000	<b>12/31 Bal.</b>	<b>12/31 Bal. 24,000</b>

**Depreciation expense**

1/1 Bal.	0		
Adjusting	2,000		
<b>12/31 Bal.</b>	2,000		

**Salaries expense**

1/1 Bal.	0		
d.	41,000		
Adjusting	1,000		
<b>12/31 Bal.</b>	42,000		

**Problem 2–6 (continued)**

**Requirement 6**

<b>Account Title</b>	<b>Debits</b>	<b>Credits</b>
Cash	45,800	
Accounts receivable	17,700	
Equipment	35,000	
Accumulated depreciation		8,000
Salaries payable		1,000
Common stock		50,500
Retained earnings		7,000
Service revenue		100,000
Salaries expense	42,000	
Miscellaneous expenses	24,000	
Depreciation expense	<u>2,000</u>	
Totals	<u>166,500</u>	<u>166,500</u>

**Requirement 7**

<b>KARLIN COMPANY</b>		
Income Statement		
For the Year Ended December 31, 2018		
Service revenue .....		\$100,000
Operating expenses:		
Salaries .....	\$42,000	
Miscellaneous .....	24,000	
Depreciation .....	<u>2,000</u>	
Total operating expenses .....		<u>68,000</u>
Net income .....		<u>\$ 32,000</u>

*Problem 2–6 (continued)*

**KARLIN COMPANY**

Balance Sheet  
At December 31, 2018

**Assets**

Current assets:

Cash .....		\$45,800
Accounts receivable .....		<u>17,700</u>
Total current assets .....		63,500

Property and equipment:

Equipment .....	\$35,000	
Less: Accumulated depreciation .....	<u>(8,000)</u>	<u>27,000</u>
Total assets .....		<u>\$90,500</u>

**Liabilities and Shareholders' Equity**

Current liabilities:

Salaries payable .....		<u>\$ 1,000</u>
Total current liabilities .....		1,000

Shareholders' equity:

Common stock .....	\$50,500	
Retained earnings .....	<u>39,000*</u>	
Total shareholders' equity .....		<u>89,500</u>
Total liabilities and shareholders' equity		<u>\$90,500</u>

\*Beginning balance of \$9,500 plus net income of \$32,000 less dividends of \$2,500.

*Problem 2–6 (continued)*

**Requirement 8**

<b>December 31, 2018</b>		
Service revenue .....	100,000	
Income summary .....		100,000
Income summary .....	68,000	
Salaries expense .....		42,000
Miscellaneous expenses .....		24,000
Depreciation expense .....		2,000
Income summary .....	32,000	
Retained earnings .....		32,000

*Problem 2–6 (continued)*

**BALANCE SHEET ACCOUNTS**

**Cash**

1/1 Bal.	30,000		
a.	70,000	50,000	d.
b.	27,300	24,000	e.
c.	10,000	15,000	f.
		2,500	g.
<hr/>			
<b>12/31 Bal.</b>	<b>45,800</b>		

**Accounts receivable**

1/1 Bal.	15,000		
a.	30,000	27,300	b.
<hr/>			
<b>12/31 Bal.</b>	<b>17,700</b>		

**Equipment**

1/1 Bal.	20,000	
f.	15,000	
<hr/>		
<b>12/31 Bal.</b>	<b>35,000</b>	

**Accumulated depreciation**

	6,000	1/1 Bal.
	2,000	Adjusting
<hr/>		
	8,000	<b>12/31 Bal.</b>

**Salaries payable**

	9,000	1/1 Bal.
d.	9,000	1,000
		Adjusting
<hr/>		
	1,000	<b>12/31 Bal.</b>

**Common stock**

	40,500	1/1 Bal.
	10,000	c.
<hr/>		
	50,500	<b>12/31 Bal.</b>

**Retained earnings**

	9,500	1/1 Bal.
g.	2,500	
		Closing
<hr/>		
	32,000	
<hr/>		
	39,000	<b>12/31 Bal.</b>

*Problem 2–6 (continued)*

**INCOME STATEMENT ACCOUNTS**

<b>Service revenue</b>			<b>Miscellaneous expenses</b>		
	0	1/1 Bal.	1/1 Bal.	0	
	100,000	a.	e.	24,000	
Closing	100,000			24,000	Closing
	0	<b>12/31 Bal.</b>	<b>12/31 Bal.</b>	0	

<b>Depreciation expense</b>		
1/1 Bal.	0	
Adjusting	2,000	
		2,000
		Closing
<b>12/31 Bal.</b>	0	

<b>Salaries expense</b>			<b>Income summary</b>		
1/1 Bal.	0			100,000	Closing
d.	41,000		Closing	68,000	
Adjusting	1,000	42,000	Closing	Closing	32,000
<b>12/31 Bal.</b>	0		<b>12/31 Bal.</b>	0	

*Problem 2–6 (concluded)*

**Requirement 9**

<b>Account Title</b>	<b>Debits</b>	<b>Credits</b>
Cash	45,800	
Accounts receivable	17,700	
Equipment	35,000	
Accumulated depreciation		8,000
Salaries payable		1,000
Common stock		50,500
Retained earnings	<u>          </u>	<u>39,000</u>
Totals	<u>98,500</u>	<u>98,500</u>



## Problem 2–7

### Requirement 1

a. Interest receivable .....	600	
Interest revenue ( $\$10,000 \times 12\% \times \frac{1}{2}$ ).....		600
b. Depreciation expense ( $\$30,000 \times \frac{1}{5}$ ) .....	6,000	
Accumulated depreciation.....		6,000
c. Deferred rent revenue.....	2,000	
Rent revenue ( $\$6,000 \times \frac{2}{6}$ ).....		2,000
d. Prepaid insurance .....	1,500	
Insurance expense ( $\$2,400 \times \frac{15}{24}$ ) .....		1,500
e. Interest expense ( $\$20,000 \times 12\% \times \frac{3}{12}$ ).....	600	
Interest payable .....		600
f. Supplies expense ( $\$1,800 - 700$ ).....	1,100	
Supplies .....		1,100

### Requirement 2

#### Income overstated (understated)

#### *Adjustments to revenues:*

Understatement of interest revenue	\$ (600)
Understatement of rent revenue	(2,000)

#### *Adjustments to expenses:*

Overstatement of insurance expense	(1,500)
Understatement of depreciation expense	6,000
Understatement of interest expense	600
Understatement of supplies expense	<u>1,100</u>
Overstatement of net income	<u>\$3,600</u>

## Problem 2–8

1. Depreciation expense ( $\$75,000 \div 8$ years).....	9,375	
Accumulated depreciation .....		9,375
2. Salaries and wages expense ( $\$4,500 - 3,000$ ) .....	1,500	
Salaries and wages payable .....		1,500
3. Interest expense ( $\$30,000 \times 10\% \times 4/12$ ).....	1,000	
Interest payable .....		1,000
4. Supplies.....	500	
Supplies expense.....		500
5. Prepaid rent.....	1,000	
Rent expense .....		1,000

## Problem 2–9

### Requirements 1 and 2

<b>a.</b> Depreciation expense ( $\$50,000 \div 50$ years).....	1,000	
Accumulated depreciation - buildings .....		1,000
<b>b.</b> Depreciation expense ( $\$100,000 \times 10\%$ ) .....	10,000	
Accumulated depreciation—office equipment .....		10,000
<b>c.</b> Insurance expense .....	1,500	
Prepaid insurance .....		1,500
<b>d.</b> Salaries and wages expense .....	1,500	
Salaries and wages payable .....		1,500
<b>e.</b> Rent revenue.....	1,200	
Deferred rent revenue.....		1,200

*Problem 2–9 (continued)*

**BALANCE SHEET ACCOUNTS**

<b>Cash</b>		<b>Accounts receivable</b>	
Bal.	8,000	Bal.	9,000
<b>12/31 Bal.</b>	<b>8,000</b>	<b>12/31 Bal.</b>	<b>9,000</b>
<b>Prepaid insurance</b>			
Bal.	3,000		
		1,500	Adjusting
<b>12/31 Bal.</b>	<b>1,500</b>		
<b>Land</b>		<b>Buildings</b>	
Bal.	200,000	Bal.	50,000
<b>12/31 Bal.</b>	<b>200,000</b>	<b>12/31 Bal.</b>	<b>50,000</b>
<b>Office equipment</b>		<b>Accumulated depreciation—bldg.</b>	
Bal.	100,000		20,000 Bal.
			1,000 Adjusting
<b>12/31 Bal.</b>	<b>100,000</b>		<b>21,000 12/31 Bal.</b>
<b>Accumulated depreciation—office equip.</b>		<b>Accounts payable</b>	
	40,000 Bal.		35,050 Bal.
	10,000 Adjusting		
	<b>50,000 12/31 Bal.</b>		<b>35,050 12/31 Bal.</b>

*Problem 2–9 (continued)*

**Salaries and wages payable**

	0	Bal.
	1,500	Adjusting
	1,500	<b>12/31 Bal.</b>

**Deferred rent revenue**

	0	Bal.
	1,200	Adjusting
	1,200	<b>12/31 Bal.</b>

**Common stock**

	200,000	Bal.
	200,000	<b>12/31 Bal.</b>

**Retained earnings**

	56,450	Bal.
	56,450	<b>12/31 Bal.</b>

***INCOME STATEMENT ACCOUNTS***

**Sales revenue**

	90,000	Bal.
	90,000	<b>12/31 Bal.</b>

**Interest revenue**

	3,000	Bal.
	3,000	<b>12/31 Bal.</b>

**Rent revenue**

	7,500	Bal.
Adjusting	1,200	
	6,300	<b>12/31 Bal.</b>

**Salaries and wages expense**

Bal.	37,000
Adjusting	1,500
<b>12/31 Bal.</b>	38,500

**Depreciation expense**

Bal.	0
Adjusting	1,000
Adjusting	10,000
<b>12/31 Bal.</b>	11,000

*Problem 2-9 (continued)*

**Insurance expense**

Bal.	0	
Adjusting	1,500	
<b>12/31 Bal.</b>	<b>1,500</b>	

**Utility expense**

Bal.	30,000	
<b>12/31 Bal.</b>	<b>30,000</b>	

**Maintenance expense**

Bal.	15,000	
<b>12/31 Bal.</b>	<b>15,000</b>	

*Problem 2–9 (continued)*

**Requirement 3**

<b>Account Title</b>	<b>Debits</b>	<b>Credits</b>
Cash	8,000	
Accounts receivable	9,000	
Prepaid insurance	1,500	
Land	200,000	
Buildings	50,000	
Accumulated depreciation—buildings		21,000
Office equipment	100,000	
Accumulated depreciation—office equipment		50,000
Accounts payable		35,050
Salaries and wages payable		1,500
Deferred rent revenue		1,200
Common stock		200,000
Retained earnings		56,450
Sales revenue		90,000
Interest revenue		3,000
Rent revenue		6,300
Salaries and wages expense	38,500	
Depreciation expense	11,000	
Insurance expense	1,500	
Utility expense	30,000	
Maintenance expense	<u>15,000</u>	
Totals	<u>464,500</u>	<u>464,500</u>

*Problem 2–9 (continued)*

**Requirement 4**

<b>December 31, 2018</b>	
Sales revenue .....	90,000
Interest revenue .....	3,000
Rent revenue .....	6,300
Income summary .....	99,300
Income summary .....	96,000
Salaries and wages expense .....	38,500
Depreciation expense .....	11,000
Insurance expense .....	1,500
Utility expense .....	30,000
Maintenance expense .....	15,000
Income summary (\$99,300 – 96,000) .....	3,300
Retained earnings .....	3,300



*Problem 2–9 (concluded)*

**Requirement 5**

<b>Account Title</b>	<b>Debits</b>	<b>Credits</b>
Cash	8,000	
Accounts receivable	9,000	
Prepaid insurance	1,500	
Land	200,000	
Buildings	50,000	
Accumulated depreciation—buildings		21,000
Office equipment	100,000	
Accumulated depreciation—office equipment		50,000
Accounts payable		35,050
Salaries and wages payable		1,500
Deferred rent revenue		1,200
Common stock		200,000
Retained earnings		<u>59,750</u>
Totals	<u>368,500</u>	<u>368,500</u>

## Problem 2–10

### Computations:

#### Sales revenue

Sales revenue during 2018 = \$320,000 + 22,000 = **\$342,000**

#### Cost of goods sold

<u>Accounts payable</u>	
	0    1/1 Balance
Cash paid    220,000	<b>?</b> Purchases
	30,000    12/31 Balance

Purchases during 2018 = \$220,000 + 30,000 = \$250,000

<u>Inventory</u>	
1/1 Balance            0	
Purchases            250,000	
	<b>?</b> Cost of goods sold
12/31 Balance    50,000	

Cost of goods sold during 2018 = \$250,000 – 50,000 = **\$200,000**

#### Rent expense and prepaid rent

Prepaid rent = \$ 3,000 x  $\frac{2}{3}$  = **\$2,000**

Rent expense during 2018 = \$14,000 – 2,000 = **\$12,000**

#### Depreciation expense

Depreciation during 2018 = \$30,000 x 10% = **\$3,000**

#### Interest expense

Interest accrued during 2018 = \$40,000 x 12% x  $\frac{9}{12}$  = **\$3,600**

#### Salaries and wages expense

Cash paid plus accrued salaries and wages = \$80,000 + 5,000 = **\$85,000**

*Problem 2–10 (continued)*

<b>McGUIRE CORPORATION</b>		
Income Statement		
For the Year Ended December 31, 2018		
Sales revenue .....		\$342,000
Cost of goods sold .....		<u>200,000</u>
Gross profit .....		142,000
Operating expenses:		
Salaries and wages .....	\$85,000	
Rent .....	12,000	
Depreciation.....	3,000	
Miscellaneous .....	<u>10,000</u>	
Total operating expenses .....		<u>110,000</u>
Operating income .....		32,000
Other expense:		
Interest .....		<u>3,600</u>
Net income .....		<u>\$ 28,400</u>

**Problem 2–10 (concluded)**

**McGUIRE CORPORATION**

Balance Sheet  
At December 31, 2018

**Assets**

Current assets:

Cash .....		\$ 56,000 (1)
Accounts receivable .....		22,000
Prepaid rent .....		2,000
Inventory .....		<u>50,000</u>
Total current assets .....		130,000

Office equipment .....	\$30,000	
Less: Accumulated depreciation .....	<u>(3,000)</u>	<u>27,000</u>
Total assets .....		<u>\$157,000</u>

**Liabilities and Shareholders' Equity**

Current liabilities:

Accounts payable .....		\$ 30,000
Salaries and wages payable .....		5,000
Note payable .....		40,000
Interest payable .....		<u>3,600</u>
Total current liabilities .....		78,600

Shareholders' equity:

Common stock .....	\$50,000	
Retained earnings .....	<u>28,400</u>	
Total shareholders' equity .....		<u>78,400</u>
Total liabilities and shareholders' equity		<u>\$157,000</u>

(1) \$410,000 – 354,000 = \$56,000

## Problem 2–11

### Requirement 1

#### a. Sales revenue

Accounts receivable	
11/30 Balance	10,000
Sales revenue	?
12/31 Balance	3,000
	80,000 Cash collections

Sales revenue during December = \$3,000 + 80,000 – 10,000 = **\$73,000**

#### b. Cost of goods sold

Accounts payable	
Cash paid	60,000
	? Purchases
	15,000 12/31 Balance
	12,000 11/30 Balance

Purchases during December = \$15,000 + 60,000 – 12,000 = **\$63,000**

Inventory	
11/30 Balance	7,000
Purchases	63,000
12/31 Balance	6,000
	? Cost of goods sold

Cost of goods sold during December = \$7,000 + 63,000 – 6,000 = **\$64,000**

**Problem 2–11 (concluded)**

**c. Insurance expense**

Prepaid insurance	
11/30 Balance	5,000
Cash payment	5,000
	? Insurance expense
12/31 Balance	7,500

Insurance expense during December = \$5,000 + 5,000 – 7,500 = **\$2,500**

**d. Salaries and wages expense**

Salaries and wages payable	
	5,000 11/30 Balance
Cash payments	10,000
	? Salaries and wages expense
	3,000 12/31 Balance

Salaries and wages expense during December = \$3,000 + 10,000 – 5,000 = **\$8,000**

**Requirement 2**

Accounts receivable.....	73,000	
Sales revenue .....		73,000
Cost of goods sold.....	64,000	
Inventory .....		64,000

## Problem 2–12

### Requirement 1

#### Computations:

##### Sales revenue:

Cash collected from customers	\$675,000
Add: Increase in accounts receivable	<u>30,000</u>
Sales revenue	<u>\$705,000</u>

##### Interest revenue:

Cash received	\$4,000
Add: Amount accrued at the end of 2018 ( $\$50,000 \times .08 \times \frac{9}{12}$ )	3,000 (c)
Deduct: Amount accrued at the end of 2017	<u>(3,000)</u>
Interest revenue	<u>\$4,000</u>

##### Cost of goods sold:

Cash paid for merchandise	\$390,000
Add: Increase in accounts payable	<u>12,000</u>
Purchases during 2018	402,000
Add: Decrease in inventory	<u>18,000</u>
Cost of goods sold	<u>\$420,000</u>

##### Insurance expense:

Cash paid	\$6,000
Add: Prepaid insurance expired during 2018	2,500
Deduct: Prepaid insurance on 12/31/18 ( $\$6,000 \times \frac{4}{12}$ )	<u>(2,000) (a)</u>
Insurance expense	<u>\$6,500</u>

##### Salaries and wages expense:

Cash paid	\$210,000
Add: Increase in salaries and wages payable	<u>4,000</u>
Salaries expense	<u>\$214,000</u>

**Problem 2–12 (continued)**

**Interest expense:**

Amount accrued at the end of 2018 (\$100,000 x .06 x <sup>2</sup> /12)	<u>\$1,000</u> (d)
---	--------------------

**Rent expense:**

<b>Amount paid</b>	<b>\$24,000</b>
Add: Prepaid rent on 12/31/17 expired during 2018	11,000
Deduct: Prepaid rent on 12/31/18 (\$24,000 x <sup>6</sup> /12)	<u>(12,000)</u> (b)
Rent expense	<u>\$23,000</u>

<b>Depreciation expense:</b> Increase in accumulated depreciation	<u>\$10,000</u>
---	-----------------

<b>Zambrano Wholesale Corporation</b>		
Income statement		
For the Year Ended December 31, 2018		
Sales revenue		\$705,000
Cost of goods sold		<u>420,000</u>
Gross profit		285,000
Operating expenses:		
Insurance	\$ 6,500	
Salaries and wages	214,000	
Rent	23,000	
Depreciation	<u>10,000</u>	
Total operating expenses		<u>253,500</u>
Operating income		31,500
Other income (expense):		
Interest revenue	4,000	
Interest expense	<u>(1,000)</u>	<u>3,000</u>
Net income		<u>\$34,500</u>



***Problem 2–12 (concluded)***

**Requirement 2**

a. Prepaid insurance	\$ 2,000
b. Prepaid rent	12,000
c. Interest receivable	3,000
d. Interest payable	1,000

## Problem 2–13

Account Title	Unadjusted Trial Balance		Adjusting Entries		Adjusted Trial Balance		Income Statement		Balance Sheet	
	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.
Cash	23,300				23,300				23,300	
Accounts receivable	32,500				32,500				32,500	
Supplies	0		(4) 500		500				500	
Prepaid rent	0		(5) 1,000		1,000				1,000	
Inventory	65,000				65,000				65,000	
Office equipment	75,000				75,000				75,000	
Accumulated depreciation- office equipment		10,000		(1) 9,375		19,375				19,375
Accounts payable		26,100				26,100				26,100
Salaries and wages payable		3,000		(2) 1,500		4,500				4,500
Note payable		30,000				30,000				30,000
Interest payable		0		(3) 1,000		1,000				1,000
Common stock		80,000				80,000				80,000
Retained earnings		16,050				16,050				16,050
Sales revenue		180,000				180,000		180,000		
Cost of goods sold	95,000				95,000		95,000			
Interest expense	0		(3) 1,000		1,000		1,000			
Salaries and wages expense	32,350		(2) 1,500		33,850		33,850			
Rent expense	14,000		(5) 1,000		13,000		13,000			
Supplies expense	2,000		(4) 500		1,500		1,500			
Utility expense	6,000				6,000		6,000			
Depreciation expense	0		(1) 9,375		9,375		9,375			
							159,725	180,000	197,300	177,025
Net Income							20,275			20,275
Totals	345,150	345,150	13,375	13,375	357,025	357,025	180,000	180,000	197,300	197,300

*Problem 2–13 (continued)*

<b>EXCALIBUR CORPORATION</b>		
Income Statement		
For the Year Ended December 31, 2018		
Sales revenue .....		\$180,000
Cost of goods sold .....		<u>95,000</u>
Gross profit .....		85,000
Operating expenses:		
Salaries and wages .....	\$33,850	
Rent .....	13,000	
Supplies .....	1,500	
Utility .....	6,000	
Depreciation.....	<u>9,375</u>	
Total operating expenses .....		<u>63,725</u>
Operating income .....		21,275
Other expense:		
Interest .....		<u>1,000</u>
Net income .....		<u>\$ 20,275</u>

*Problem 2–13 (continued)*

**EXCALIBUR CORPORATION**  
Statement of Shareholders' Equity  
For the Year Ended December 31, 2018

	<b>Common Stock</b>	<b>Retained Earnings</b>	<b>Total Shareholders' Equity</b>
Balance at January 1, 2018	\$80,000	\$22,050	\$102,050
Issue of common stock	- 0 -		- 0 -
Net income for 2018		20,275	20,275
Less: Dividends	_____	<u>(6,000)</u>	<u>(6,000)</u>
Balance at December 31, 2018	<u>\$80,000</u>	<u>\$36,325</u>	<u>\$116,325</u>

*Problem 2–13 (continued)*

**EXCALIBUR CORPORATION**

Balance Sheet  
At December 31, 2018

**Assets**

Current assets:

Cash .....	\$ 23,300
Accounts receivable .....	32,500
Supplies .....	500
Prepaid rent .....	1,000
Inventory .....	<u>65,000</u>
Total current assets .....	122,300

Office equipment .....	\$75,000	
Less: Accumulated depreciation .....	<u>(19,375)</u>	<u>55,625</u>
Total assets .....		<u>\$177,925</u>

**Liabilities and Shareholders' Equity**

Current liabilities:

Accounts payable .....	\$ 26,100
Salaries and wages payable .....	4,500
Note payable .....	30,000
Interest payable .....	<u>1,000</u>
Total current liabilities .....	61,600

Shareholders' equity:

Common stock .....	\$80,000	
Retained earnings .....	<u>36,325</u>	
Total shareholders' equity .....		<u>116,325</u>
Total liabilities and shareholders' equity .....		<u>\$177,925</u>

**Problem 2–13 (concluded)**

<b>December 31, 2018</b>	
Sales revenue .....	180,000
Income summary .....	180,000
Income summary .....	159,725
Cost of goods sold .....	95,000
Interest expense.....	1,000
Salaries and wages expense .....	33,850
Rent expense .....	13,000
Supplies expense .....	1,500
Utility expense .....	6,000
Depreciation expense.....	9,375
Income summary (\$180,000 – 159,725) .....	20,275
Retained earnings.....	20,275

# CASES

## Judgment Case 2–1

### Requirement 1

Cash basis accounting produces a measure of performance called net operating cash flow. This measure is the difference between cash receipts and cash disbursements during a reporting period from transactions related to providing goods and services to customers. On the other hand, the accrual accounting model measures an entity's accomplishments (revenues) and resource sacrifices (expenses) during the period, regardless of when cash is received or paid.

### Requirement 2

In most cases, the accrual accounting model provides a better measure of performance because it attempts to measure the accomplishments and sacrifices that occurred during the year, which may not correspond to cash inflows and outflows.

### Requirement 3

Adjusting entries, for the most part, are conversions from cash to accrual. Prepayments and accruals occur when cash flow precedes or follows expense or revenue recognition.

## Judgment Case 2–2

### Requirement 1

Cash basis net income	\$26,000
Add:	
1. Unexpired (prepaid insurance) $\$12,000 \times \frac{8}{12}$	8,000
2. Increase in accounts receivable ( $\$6,500 - 5,000$ )	1,500
5. Increase in inventories ( $\$35,000 - 32,000$ )	3,000
Deduct:	
3. Increase in salaries and wages payable ( $\$8,200 - 7,200$ )	(1,000)
4. Increase in utilities payable ( $\$1,200 - 900$ )	(300)
6. Increase in amount owed to suppliers	<u>(4,000)</u>
Accrual basis net income	<u><b>\$33,200</b></u>

### Requirement 2

Assets would be higher by \$12,500 ( $\$8,000 + 1,500 + 3,000$ ) and liabilities would also be higher by \$5,300 ( $\$1,000 + 300 + 4,000$ ). The difference, \$7,200, is the difference between cash and accrual income. Therefore, equity would be higher by \$7,200.



## Communication Case 2–3

### Requirement 1

Prepayments occur when the cash flow *precedes* either expense or revenue recognition. Accruals occur when the cash flow comes *after* either expense or revenue recognition.

### Requirement 2

The appropriate adjusting entry for a prepaid expense is a debit to expense and a credit to the prepaid asset. For deferred revenue, the appropriate adjusting entry is a debit to the deferred revenue liability account and a credit to revenue. Failure to record an adjusting entry for a prepaid expense will cause assets and shareholders' equity to be overstated. Failure to record an adjusting entry for deferred revenue will cause liabilities to be overstated and shareholders' equity to be understated.

### Requirement 3

The required adjusting entry for accrued liabilities is a debit to expense and a credit to a liability. For accrued receivables, the appropriate adjusting entry is a debit to a receivable and a credit to revenue. Failure to record an adjusting entry for an accrued liability will cause liabilities to be understated and shareholders' equity to be overstated. Failure to record an adjusting entry for accrued receivables will cause assets and shareholders' equity to be understated.

## Target Case

### Requirement 1

Target's balance sheet reports accumulated depreciation of \$16,246 million and \$15,093 million for the years ended January 30, 2016, and January 31, 2015, respectively. Assuming no depreciable assets were sold during the year, Target's adjusting entry to record depreciation for the year would be:

	(\$ in millions)
Depreciation expense (\$16,246 – 15,093) .....	1,153
Accumulated depreciation .....	1,153

### Requirement 2

The statement of cash flows shows \$2,213 million for “depreciation and amortization” for the 2015 fiscal year. Given depreciation expense of \$1,153 million, amortization expense must be  $\$2,213 - 1,153 = \$1,060$  million.

*Target Case (concluded)*

**Requirement 3**

Note 13, “ Other Current Assets,” reports Prepaid expenses of \$214 million and \$231 million for the years ended January 30, 2016, and January 31, 2015, respectively. Assuming this pertains to prepaid insurance, insurance expense must have exceeded the amount paid for insurance coverage, because the balance decreased during the year. We can visualize the change with a T account:

<b>Prepaid Insurance</b>	
Beginning balance 231	
Cash paid for insurance ?	50 Insurance expense
Ending balance 214	

Cash paid for insurance must have been \$33 million. Prior to the adjusting entry, the balance in prepaid insurance would have been  $\$231 + 33 = \$264$ . The adjusting entry to record expired insurance coverage and reduce the unexpired coverage to \$214 would be:

	(\$ in millions)
Insurance expense.....	50
Prepaid insurance .....	50

The appropriate adjusting entry for a prepaid expense is a debit to expense and a credit to the prepaid asset. Failure to record an adjusting entry for a prepaid expense will cause expenses to be understated and thus net income to be overstated. In the balance sheet, assets and shareholders’ equity (retained earnings) would be overstated.

## Air France–KLM Case

### Requirement 1

Typically, the order of presentation of the components of the balance sheet is different between U.S. GAAP and IFRS. Looking at the balance sheet of Air France–KLM (AF) we see that Non-current assets are listed before Current assets and Non-current liabilities before Current liabilities. Within “Total equity and liabilities”, AF lists Shareholders’ equity before Liabilities. Each of these is in the opposite order from what we see in Illustration 2–14 based on U.S. GAAP.

### Requirement 2

Some of the differences we see in terminology occur in the Shareholders’ equity section of the balance sheet. In fact, the title of that section is simply Equity in AF’s balance sheet. AF lists four items in the shareholders’ equity section of the balance sheet. If AF used U.S. GAAP, Issued share capital would be Common stock, Reserves and retained earnings would be separated into retained earnings and one or more other accounts, usually Accumulated other comprehensive income accounts. Under U.S. GAAP the term “reserves” is considered misleading and thus is discouraged. Often, firms (not AF) using IFRS will use the term Share premium for Paid-in capital—excess of par and Investment in own shares for Treasury stock.

Within long-term liabilities, AF lists some of its liabilities as “provisions.” We don’t see that in the U.S. GAAP balance sheet.

## CHAPTER 2

### REVIEW OF THE ACCOUNTING PROCESS

#### Overview

Chapter 1 explained that the primary means of conveying financial information to investors, creditors, and other external users is through financial statements and related notes. The purpose of this chapter is to *review* the fundamental *accounting process* used to produce the financial statements. This review establishes a framework for the study of the concepts covered in intermediate accounting.

Actual accounting systems differ significantly from company to company. This chapter focuses on the many features that tend to be common to any accounting system.

#### Learning Objectives

- LO2-1** Analyze routine economic events—transactions—and record their effects on a company's financial position using the accounting equation format.
- LO2-2** Record transactions using the general journal format.
- LO2-3** Post the effects of journal entries to general ledger accounts and prepare an unadjusted trial balance.
- LO2-4** Identify and describe the different types of adjusting journal entries.
- LO2-5** Record adjusting journal entries in general journal format, post entries, and prepare an adjusted trial balance.
- LO2-6** Describe the basic financial statements.
- LO2-7** Explain the closing process.
- LO2-8** Convert from cash basis net income to accrual basis net income.

#### Lecture Outline

##### I. The Basic Model

- A. External events involve an exchange between the company and another entity; internal transactions do not involve an exchange transaction but do affect financial position.
- B. The accounting equation underlies the process used to capture the effect of economic events (transactions):

$$\text{Assets} = \text{Liabilities} + \text{Owners' Equity}$$

- C. Each transaction has a dual effect on the accounting equation.
- D. Owners' equity for a corporation, called shareholders' equity, is classified *by source* as either paid-in capital or retained earnings.
- E. The double-entry system is used to process transactions.
  - 1. Elements of the accounting equation are represented by accounts in a general ledger.
  - 2. In the double-entry system, *debit* means left side of an account, and *credit* means right side of an account.

3. Asset *increases* are entered on the *debit* side of accounts and *decreases* are entered on the *credit* side. Liability and equity account *increases* are *credits* and *decreases* are *debits*.

## II. The Accounting Processing Cycle

- A. **Step 1.** Obtain information about transactions from source documents.
- B. **Step 2.** Transaction analysis is the process of reviewing source documents to determine the dual effect on the accounting equation and the specific elements involved.
- C. **Step 3.** Record the transaction in a journal. For most external transactions, special journals (discussed in Appendix 2C) are used to capture the dual effect of the transaction in debit/credit form.
- D. **Step 4.** Post from the journal to the general ledger accounts. In addition to general ledger control accounts, a subsidiary ledger (discussed in Appendix 2C) contains a group of subsidiary accounts associated with particular general ledger control accounts.
- E. **Step 5.** Prepare an unadjusted trial balance. A worksheet (discussed in Appendix 2A) can be used as a tool after and instead of step 5 in the processing cycle.

## III. Adjusting Entries

- A. **Step 6.** Record adjusting entries and post to the ledger accounts.
- B. Prepayments are transactions in which the cash flow *precedes* expense of revenue recognition.
  1. **Prepaid expenses** represent assets recorded when a cash disbursement creates benefits beyond the current reporting period.
  2. **Deferred revenues** represent liabilities recorded when cash is received from customers in advance of providing a good or service.
- C. Accruals involve transactions where the cash outflow or inflow takes place in a period subsequent to expense or revenue recognition.
  1. **Accrued liabilities** represent liabilities recorded when an expense has been incurred prior to cash payment.
  2. **Accrued receivables** involve situations when the revenue is recognized in a period prior to the cash receipt.
- D. Estimates often are made to comply with the accrual accounting model.
  1. Most estimates involve either prepayments or accruals.
  2. One situation involving an estimate that does not fit neatly into either the prepayment or accrual classification is accounting for bad debts.
- E. **Step 7.** Preparation of an adjusted trial balance.
- F. Accountants sometimes use reversing entries (discussed in Appendix 2B) in conjunction with adjusting entries.

#### **IV. Step 8. Prepare Financial Statements**

- A. The income statement
- B. The statement of comprehensive income
- C. The balance sheet
- D. The statement of cash flows
- E. The statement of shareholders' equity

#### **V. Step 9. Close the Temporary Accounts**

- A. Close the revenue accounts to income summary.
- B. Close the expense accounts to income summary.
- C. Close the income summary account to retained earnings.
- D. **Step 10.** Prepare a post-closing trial balance.

#### **VI. Conversion from Cash Basis to Accrual Basis**

- A. Add (deduct) increases (decreases) in assets. For example, an increase in accounts receivable means that the company recognized more revenue than cash collected.
- B. Add (deduct) decreases (increases) in accrued liabilities. For example, a decrease in interest payable means that the company incurred less interest expense than the cash interest paid, requiring the addition to cash basis-income.

## PowerPoint Slides

Three PowerPoint presentations of the chapter are available in the Connect Library:

1. With “Concept Checks” useful for classroom presentation, permitting the instructor to intersperse in the presentation short exercises students can be asked to solve individually or in small groups before the solution is “revealed” by the instructor. {These are available only within Instructor Resources.}
2. Without the “Concept Checks” so students don’t have the solutions before being asked to solve individually or in small groups.
3. **Accessible PowerPoint Presentations.** Accessibility is becoming even more important in the education marketplace. Students and instructors with disabilities use many different assistive technologies, and McGraw-Hill Education is working to increase compatibility and access that will not only help those with disabilities achieve better learning outcomes, but also serve the institutions that are teaching these students. Accessible PowerPoint allows slide content to be read by a screen reader and provides alternative text descriptions for any image files used that enrich the learning experience. Accessible PowerPoint is also designed with high-contrast color palettes and uses texture when possible, instead of color to denote different aspects of the imagery used within the slide.

**Note:** The slides are intended to provide comprehensive coverage of the chapter, but they can be easily edited to allow instructors to change numbers and content in illustrations or to delete slides pertaining to topics they choose to omit or deemphasize. (Using your students’ names for company names in the Concept Checks or Illustrations can be fun.)



## Suggestions for Class Activities

### 1. Spreadsheet Activities

In addition to Exercise 2–20 and Problem 2–13, the requirements for Problems 2–2, 2–4, 2–6, 2–8, and 2–10 can be modified to include the use of software such as Excel.

### 2. Professional Skills Development Activities

The following are suggested assignments from the end-of-chapter material that will help your students develop their communication, analysis and judgment skills.

**Communication Skills.** In addition to Communication Case 2–3, Judgment Cases 2–1 and 2–2 can be adapted to ask students to write a memo. These Judgment Cases also do well as group assignments and create good class discussions.

**Analysis Skills.** The “Broaden Your Perspective” section includes Analysis Cases that direct students to gather, assemble, organize, process, or interpret data to provide options for making business and investment decisions. Exercises 2–15, 2–18 and Problems 2–7, 2–9 provide opportunities to develop and sharpen analytical skills.

**Judgment Skills.** The “Broaden Your Perspective” section includes Judgment Cases that require students to critically analyze issues to apply concepts learned to business situations in order to evaluate options for decision-making and provide an appropriate conclusion. This chapter includes Judgment Cases 2–1 and 2–2.

## Assignment Chart

Questions	Learning Objective(s)	Topic	Est. time (min.)
2-1	1	External and internal events	5
2-2	1	Dual effect of transactions on financial position	5
2-3	2,3	Purpose of journal and ledger	5
2-4	3	Permanent and temporary accounts	5
2-5	2,3	Debits and credits	5
2-6	2,3	Debits and credits	5
2-7	1,2,3	Accounting processing cycle	5
2-8	1,2,3	Transaction analysis	5
2-9	3	Posting	5
2-10	2	Journal entries	5
2-11	3,5	Trial balance	5
2-12	4	Adjusting entries	5
2-13	7	Closing entries	5
2-14	4	Adjusting entries—prepaid expenses	5
2-15	4	Adjusting entries—deferred revenue	5
2-16	4	Adjusting entries—accrued liabilities	5
2-17	6	Financial statements	5
2-18	A	Worksheet [Based on Appendix 2A]	5
2-19	B	Reversing entries [Based on Appendix 2B]	5
2-20	C	Special journals [Based on Appendix 2C]	5
2-21	C	Subsidiary ledger [Based on Appendix 2C]	5

Brief Exercises	Learning Objective(s)	Topic	Est. time (min.)
2-1	1	Transaction analysis	10
2-2	2	Journal entries	10
2-3	3	T-accounts	15
2-4	2	Journal entries	15
2-5	5	Adjusting entries	15
2-6	4,5	Adjusting entries; income determination	15
2-7	5	Adjusting entries	15
2-8	4	Income determination	15
2-9	5	Adjusting entries	10
2-10	6	Financial statements	10
2-11	6	Financial statements	10
2-12	7	Closing entries	10
2-13	8	Cash versus accrual accounting	15

<b>Exercises</b>	<b>Learning Objective(s)</b>	<b>Topic</b>	<b>Est. time (min.)</b>
2-1	1	Transaction analysis	15
2-2	2	Journal entries	15
2-3	3	T-accounts and trial balance	15
2-4	2	Journal entries	20
2-5	2,3,4,5,6,7	The accounting processing cycle	15
2-6	2	Debits and credits	15
2-7	2	Transaction analysis; debits and credits	15
2-8	5	Adjusting entries	15
2-9	5	Adjusting entries	15
2-10	4,5	Adjusting entries; solving for unknowns	15
2-11	5	Adjusting entries	15
2-12	6,7	Financial statements and closing entries	20
2-13	7	Closing entries	10
2-14	7	Closing entries	10
2-15	4,5,8	Cash versus accrual accounting; adjusting entries	15
2-16	2,5	External transactions and adjusting entries	15
2-17	4,8	Accrual accounting income determination	15
2-18	8	Cash versus accrual accounting	20
2-19	8	Cash versus accrual accounting	20
2-20	A	Worksheet [Based on Appendix 2A]	35
2-21	B	Reversing entries [Based on Appendix 2B]	10
2-22	B	Reversing entries [Based on Appendix 2B]	10
2-23	B	Reversing entries [Based on Appendix 2B]	10
2-24	C	Special journals [Based on Appendix 2C]	15
2-25	C	Special journals [Based on Appendix 2C]	15

<b>Problems</b>	<b>Learning Objective(s)</b>	<b>Topic</b>	<b>Est. time (min.)</b>
2-1	2,3	Accounting cycle through unadjusted trial balance	40
2-2	2,3	Accounting cycle through unadjusted trial balance	40
2-3	5	Adjusting entries	20
2-4	3,5,6,7	Accounting cycle; adjusting entries through post-closing trial balance	60
2-5	5	Adjusting entries	20
★ 2-6	2,3,4,5,6,7	Accounting cycle	75
2-7	2,5	Adjusting entries and income effects	20
2-8	5	Adjusting entries	20
2-9	3,5,7	Accounting cycle; unadjusted trial balance through closing	45
★ 2-10	4,6,8	Accrual accounting; financial statements	30
2-11	8	Cash versus accrual accounting	15
★ 2-12	8	Cash versus accrual accounting	40
2-13	A	Worksheet [Based on Appendix 2A]	40

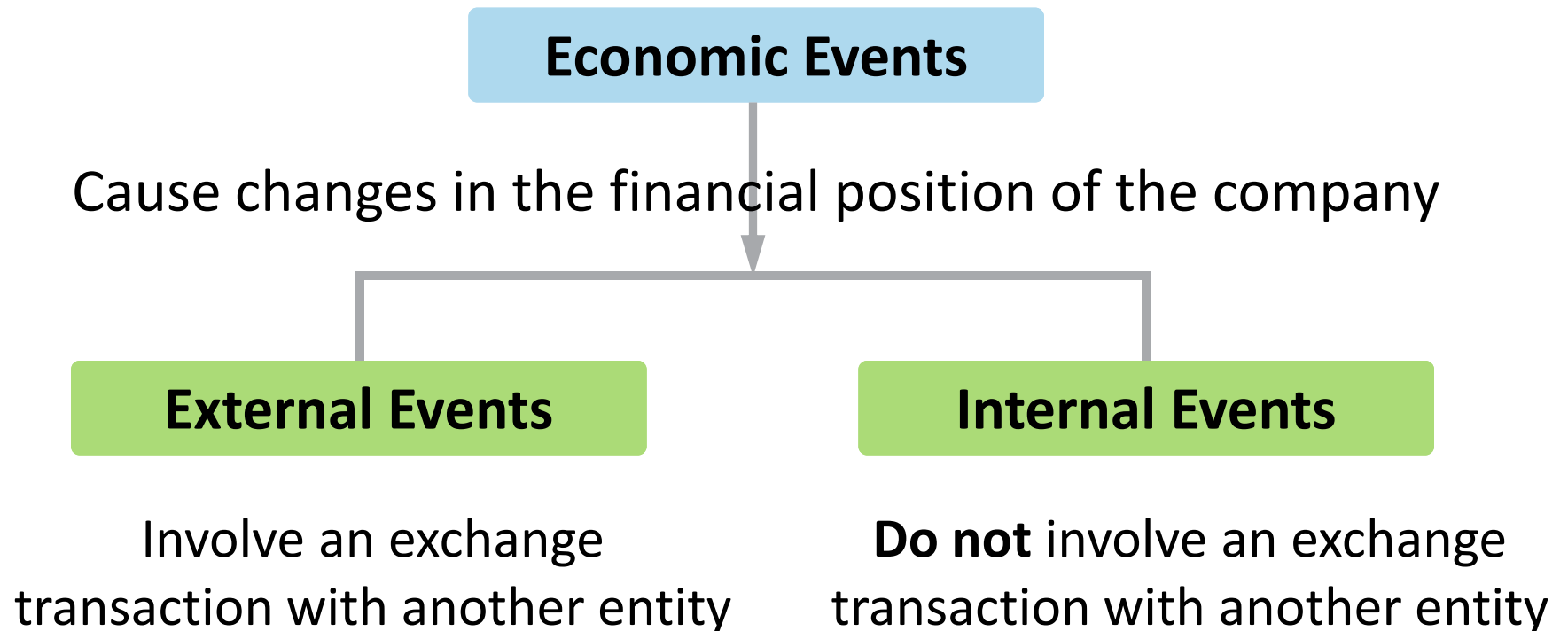
★ Star Problems

<b>Cases</b>	<b>Learning Objective(s)</b>	<b>Topic</b>	<b>Est. time (min.)</b>
Judgment Case 2-1	4,8	Cash versus accrual accounting; adjusting entries	20
Judgment Case 2-2	8	Cash versus accrual accounting	30
Communication Case 2-3	4	Adjusting entries	20
<b>Target Case</b>	4,6	<b>Target</b>	30
<b>Air France-KLM Case</b>	9	IFRS; <b>Air France-KLM</b>	30

## Chapter 2

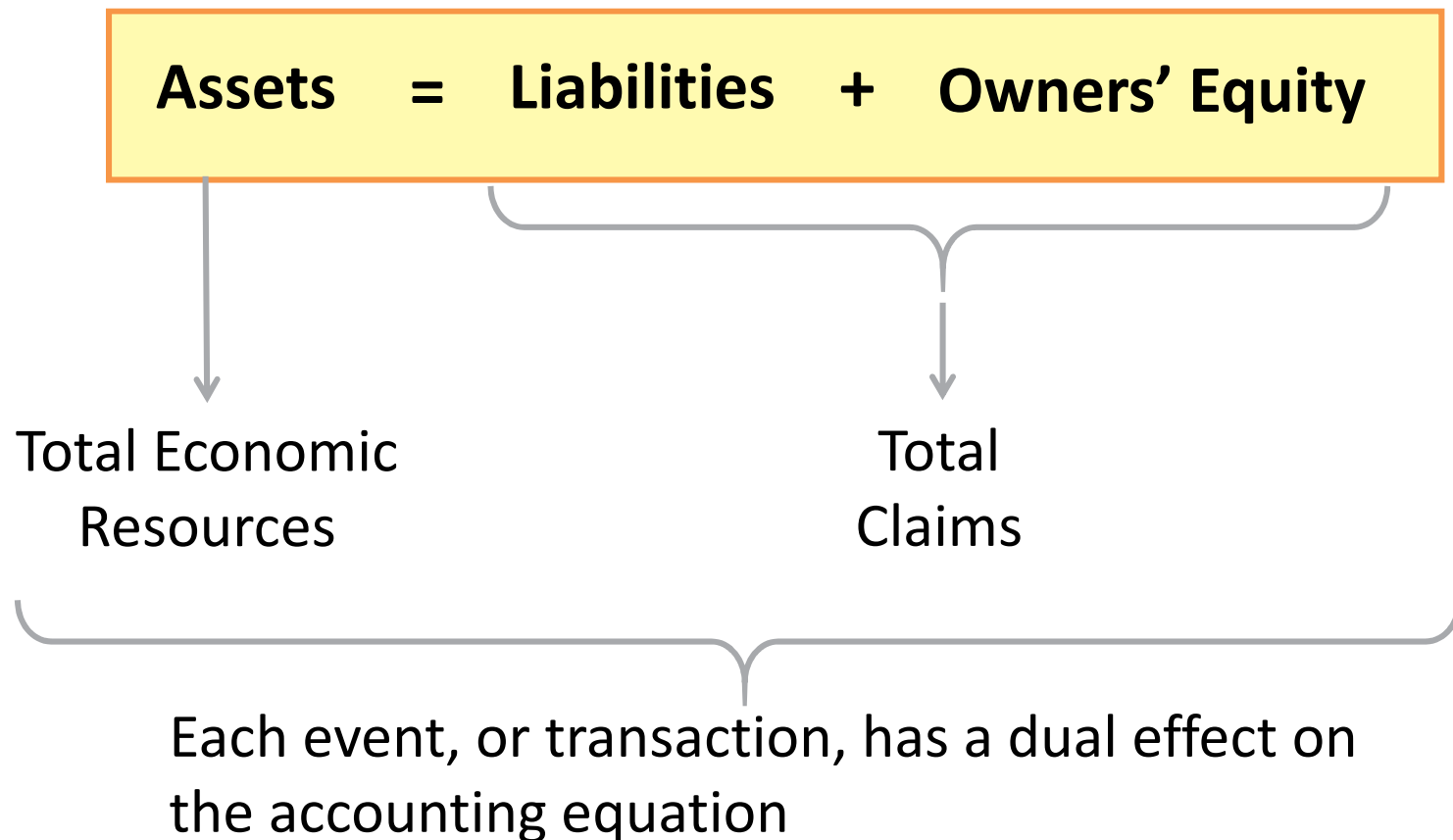
# Review of the Accounting Process

# The Basic Model



## The Accounting Equation

- Underlies the process used to capture the effect of economic events:



## Accounting Equation—Owner Investment

1. An attorney invested **\$50,000** to open a law office.

<b>Assets</b>	=	<b>Liabilities</b>	+	<b>Owners' Equity</b>
+ <b>\$50,000</b>				+ <b>\$50,000</b>
(Cash)				(Investment by owner)

An investment by the owner causes both assets and owners' equity to increase.



## Accounting Equation—Borrowing Money from the Bank

2. **\$40,000** was borrowed from a bank and a note payable was signed.

<b>Assets</b>	=	<b>Liabilities</b>	+	<b>Owners' Equity</b>
+ <b>\$40,000</b>		+ <b>\$40,000</b>		
(Cash)		(Note Payable)		

This transaction causes assets and liabilities to increase. A bank loan increases cash and creates an obligation to repay it.

## Accounting Equation—Supplies Purchased on Account

3. Supplies costing **\$3,000** were purchased on account.

<b>Assets</b>	=	<b>Liabilities</b>	+	<b>Owners' Equity</b>
+ <b>\$3,000</b>		+ <b>\$3,000</b>		
(Supplies)		(Accounts payable)		

Buying supplies on credit also increases both assets and liabilities.

## Accounting Equation—Services Performed on Account

4. Services were performed on account for **\$10,000**.

<b>Assets</b>	=	<b>Liabilities</b>	+	<b>Owners' Equity</b>
+ <b>\$10,000</b>				+ <b>\$10,000</b>
(Accounts Receivables)				(Service revenue)

Revenues and gains describe inflows of assets, causing owners' equity to increase.

## Accounting Equation—Salaries Paid to Employees

5. Salaries of **\$5,000** were paid to employees.

<b>Assets</b>	=	<b>Liabilities</b>	+	<b>Owners' Equity</b>
- <b>\$5,000</b>				- <b>\$5,000</b>
(Cash)				(Salaries expense)

Expenses and losses describe outflows of assets (or increases in liabilities) causing owners' equity to decrease.

## Accounting Equation—Supplies Used

6. **\$500** of supplies were used.

<b>Assets</b>	=	<b>Liabilities</b>	+	<b>Owners' Equity</b>
<b>– \$500</b>				<b>– \$500</b>
(Supplies)				(Supplies expense)

Expenses and losses describe outflows of assets (or increases in liabilities) causing owners' equity to decrease.

## Accounting Equation—Transaction Analysis

7. **\$1,000** was paid on account to the supplies vendor.

<b>Assets</b>	=	<b>Liabilities</b>	+	<b>Owners' Equity</b>
<b>– \$1,000</b>		<b>– \$1,000</b>		
(Cash)		(Accounts payable)		

This transaction causes assets and liabilities to decrease.

## Accounting Equation for a Corporation

$$A = L + SE$$

+ Paid-In Capital

+ Retained Earnings

+ Revenues

— Expenses

— Dividends

+ Gains

— Losses

# Account Relationships

## Double-entry system

- Refers to the dual effect that each transaction has on the accounting equation

## Accounts

- Represent elements of the accounting equation

## Account Relationships

## General ledger

- Collection of accounts

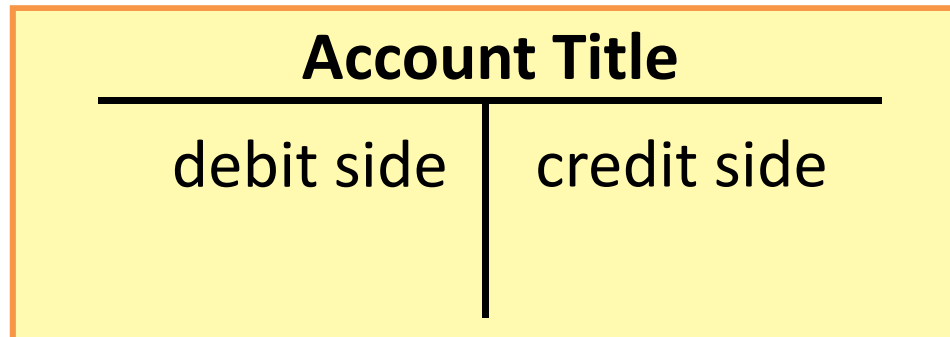
## T-accounts

- Used for instructional purposes instead of formal ledger accounts



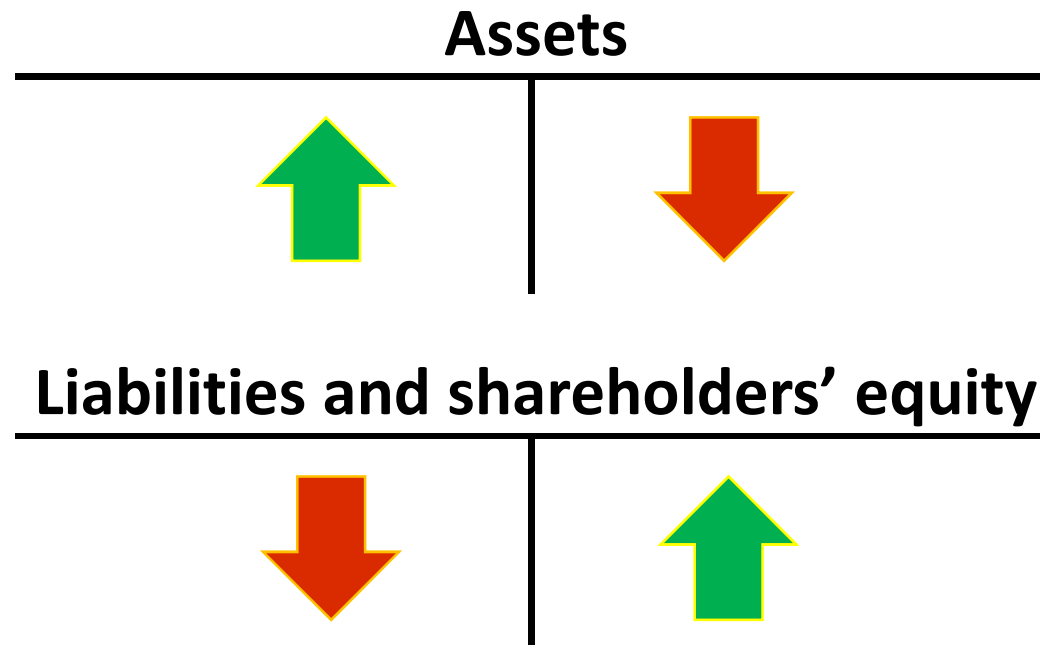
## T-Account Introduction

- Account title at the top
- Two sides for recording increases and decreases
  - **Debits** represent the left side
  - **Credits** represent the right side



## T-Account Rules

- Account title at the top
- Two sides for recording increases and decreases
  - **Debits** represent the left side
  - **Credits** represent the right side



## Example: Account Relationships

### Example:

**\$40,000** was borrowed from a bank and a note payable was signed.

Assets		=	Liabilities		+	Owners' Equity	
Cash			Note payable				
debit	credit		debit	credit			
+ 40,000				40,000	+		

# Accounting Equation, Debits and Credits, Increases and Decreases

<b>Assets</b>		=	<b>Liabilities</b>		+	<b>Shareholders' Equity</b>				
<b>Assets</b>		=	<b>Liabilities</b>		+	<b>Paid-in Capital</b>		+	<b>Retained Earnings</b>	
Debit	Credit		Debit	Credit		Debit	Credit	Debit	Credit	
+	-		-	+		-	+	-	+	
						<b>Expenses and Losses</b>		<b>Revenues and Gains</b>		
						Debit	Credit	Debit	Credit	
						+	-	-	+	

# General Ledger Accounts

- Serve as control accounts
- **Subsidiary accounts:** Maintained in separate subsidiary ledgers. **Example:** Individual account receivable accounts for each of the company's credit customers
- Classified as:

## Permanent accounts

- Represent the basic financial position elements (Assets, liabilities, and shareholders' equity)

## Temporary accounts

- Represent changes in the RE component of shareholders' equity caused by revenue, expense, gain, and loss transactions
- Balances are closed or zeroed out—closing process

# Concept Check: Temporary Accounts

Temporary accounts would not include:

- a. Salaries expense
- b. Accounts receivable
- c. Rent revenue
- d. All of these answers are incorrect

The correct answer is *b*. Accounts receivable is a permanent asset account.

# The Steps of the Accounting Processing Cycle

During the accounting period	Step 1	Obtain information about external transactions from <b>source documents</b>
	Step 2	<b>Analyze the transaction</b>
	Step 3	Record the transaction in a <b>journal</b>
	Step 4	<b>Post</b> from the journal to the general ledger accounts

At the end of the accounting period	Step 5	Prepare an <b>unadjusted trial balance</b>
	Step 6	Record <b>adjusting entries</b> and post to the general ledger accounts
	Step 7	Prepare an <b>adjusted trial balance</b>
	Step 8	Prepare <b>financial statements</b>

At the end of the year	Step 9	<b>Close</b> the temporary accounts to retained earnings
	Step 10	Prepare a <b>post-closing trial balance</b>

# The Accounting Cycle Process: Steps 1 and 2

## Step 1:

- To *identify* external transactions affecting the accounting equation
- Obtain information about transactions from **source documents**
  - Examples: Sales invoices, bills from suppliers, and cash register tapes
  - Identify the date and nature of each transaction, the participating parties, and the monetary terms

## Step 2:

- **Transaction analysis**—The process of reviewing the source documents to determine the dual effect on the accounting equation and the specific elements involved



# Transaction 1

1. An attorney invested **\$50,000** to open a law office.

Accounting Equation			Account Entry	
Assets	=	Liabilities + Owners' Equity		
<u>+50,000</u>	=	<u>+50,000</u>		
50,000		50,000		
			Cash	
			1. 50,000	
				Owners' Equity
				50,000 1.

## Transaction 2

2. **\$40,000** was borrowed from a bank and a note payable was signed.

Accounting Equation				Account Entry									
Assets	=	Liabilities	+	Owners' Equity									
$\frac{+50,000}{50,000}$	=			$\frac{+50,000}{50,000}$	<table style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Cash</th> </tr> <tr> <td style="width: 50%; border-right: 1px solid black;"></td> <td style="width: 50%;"></td> </tr> <tr> <td style="border-right: 1px solid black;">1. 50,000</td> <td></td> </tr> <tr> <td style="border-right: 1px solid black;">2. <b>40,000</b></td> <td></td> </tr> </table>	Cash				1. 50,000		2. <b>40,000</b>	
Cash													
1. 50,000													
2. <b>40,000</b>													
$\frac{+40,000}{90,000}$	=	$\frac{+40,000}{40,000}$	+	$\frac{50,000}{50,000}$	<table style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Notes Payable</th> </tr> <tr> <td style="width: 50%; border-right: 1px solid black;"></td> <td style="width: 50%;"></td> </tr> <tr> <td style="border-right: 1px solid black;"></td> <td style="text-align: right;"> <math display="block">40,000 \quad 2.</math> </td> </tr> </table>	Notes Payable					$40,000 \quad 2.$		
Notes Payable													
	$40,000 \quad 2.$												

## Transaction 3

3. Supplies costing **\$3,000** were purchased on account.

Accounting Equation				Account Entry		
Assets	=	Liabilities	+	Owners' Equity		
+50,000				+50,000		
<u>50,000</u>	=			<u>50,000</u>	3.	<u>Supplies</u>
						3,000
+40,000		+40,000				
<u>90,000</u>	=	<u>40,000</u>	+	<u>50,000</u>		<u>Accounts Payable</u>
						3,000
						3.
+3,000		+3,000				
<u>93,000</u>	=	<u>43,000</u>	+	<u>50,000</u>		

## Transaction 4

4. Services were performed on account for **\$10,000**.

Accounting Equation				Account Entry	
Assets	=	Liabilities	+	Owners' Equity	
+50,000				+50,000	
<u>50,000</u>	=			<u>50,000</u>	
+40,000		+40,000			
<u>90,000</u>	=	<u>40,000</u>	+	<u>50,000</u>	
+3,000		+3,000			
<u>93,000</u>	=	<u>43,000</u>	+	<u>50,000</u>	
<b>+10,000</b>				<b>+10,000</b>	
<b><u>103,000</u></b>	=	<b><u>43,000</u></b>	+	<b><u>60,000</u></b>	

Accounts Receivable	
4. <b>10,000</b>	

Owners' Equity (Revenue)	
	<b>10,000</b> 4.

# Transaction 5

5. Salaries of \$5,000 were paid to employees.

Accounting Equation				Account Entry	
Assets	=	Liabilities	+	Owners' Equity	
103,000	=	43,000	+	60,000	
<b>-5,000</b>				<b>-5,000</b>	
<u>98,000</u>	=	<u>43,000</u>	+	<u>55,000</u>	

Cash		
1. 50,000	<b>5,000</b>	5.
2. 40,000		

Owners' Equity (Salaries Expense)	
5. <b>5,000</b>	

# Transaction 6

6. **\$500** of supplies were used.

Accounting Equation				Account Entry	
Assets	=	Liabilities	+	Owners' Equity	
103,000	=	43,000	+	60,000	
<u>-5,000</u>	=	<u>43,000</u>	+	<u>-5,000</u>	
98,000	=	43,000	+	55,000	
<u>-500</u>	=	<u>43,000</u>	+	<u>-500</u>	
97,500	=	43,000	+	54,500	

Supplies	
3. 3,000	6. 500

Owners' Equity (Supplies Expense)	
6. 500	

# Transaction 7

7. **\$1,000** was paid on account to the supplies vendor.

Accounting Equation				Account Entry				
Assets	=	Liabilities	+	Owners' Equity				
103,000	=	43,000	+	60,000	<b>Cash</b>			
-5,000	=			-5,000	1.	50,000	5,000	5.
<u>98,000</u>	=	<u>43,000</u>	+	<u>55,000</u>	2.	40,000	<b>1,000</b>	7.
-500	=			-500	<b>Accounts Payable</b>			
<u>97,500</u>	=	<u>43,000</u>	+	<u>54,500</u>	7.	<b>1,000</b>	3,000	3.
<b>-1,000</b>	=	<b>-1,000</b>						
<u><u>96,500</u></u>	=	<u><u>42,000</u></u>	+	<u><u>54,500</u></u>				

## Step 3: Record the Transaction in a Journal

### Journals:

- Provide a chronological record of all economic events affecting a company
- Each entry is expressed in terms of equal debits and credits

#### Special journal

- Records a repetitive type of transaction
- Example: Sales

#### General journal

- Any transaction not recorded in a special journal



## Example Recording in the Journal

### Journal:

- Each entry is expressed in terms of equal debits and credits

### Example:

\$40,000 borrowed from a bank by signing a note payable

Journal Entry	Debit	Credit
Cash	40,000	
Notes payable		40,000

## External Transactions in 2018

July	1	Two individuals each invested \$30,000 in the corporation. Each investor was issued 3,000 shares of common stock.
	1	Borrowed \$40,000 from a local bank and signed two notes. The first note for \$10,000 requires payment of principal and 10% interest in six months. The second note for \$30,000 requires the payment of principal in two years. Interest at 10% is payable each year on July 1, 2019, and July 1, 2020.
	1	Paid \$24,000 in advance for one year's rent on the store building.
	1	Purchased office equipment from eTronics for \$12,000 cash.
	3	Purchased \$60,000 of clothing inventory on account from the Birdwell Wholesale Clothing Company.
	6	Purchased \$2,000 of supplies for cash.
	4–31	During the month, sold merchandise costing \$20,000 for \$35,000 cash.
	9	Sold clothing on account to Briarfield School for Girls for \$3,500. The clothing cost \$2,000.
	16	Subleased a portion of the building to a jewelry store. Received \$1,000 in advance for the first two months' rent beginning on July 16.
	20	Paid Birdwell Wholesale Clothing \$25,000 on account.
	20	Paid salaries to employees for the first half of the month, \$5,000.
	25	Received \$1,500 on account from Briarfield.
	30	The corporation paid its shareholders a cash dividend of \$1,000.

## Record Investment Transaction in a Journal

### July 1

Two individuals each invested \$30,000 in the corporation. Each investor was issued 3,000 shares of common stock.

<b>Journal Entry – July 1</b>	<b>Debit</b>	<b>Credit</b>
Cash	60,000	
Common stock		60,000

## Record Borrowing Transaction in a Journal

### July 1

Borrowed \$40,000 from a local bank and signed two notes. The first note for \$10,000 requires payment of principal and 10% interest in six months. The second note for \$30,000 requires the payment of principal in two years. Interest at 10% is payable each year on July 1, 2019, and July 1, 2020.

<b>Journal Entry – July 1</b>	<b>Debit</b>	<b>Credit</b>
Cash	40,000	
Notes payable		40,000

## Record Rent Prepayment in a Journal

### July 1

Paid \$24,000 in advance for one year's rent on the store building.

<b>Journal Entry – July 1</b>	<b>Debit</b>	<b>Credit</b>
Prepaid rent	24,000	
Cash		24,000

## Record Asset Purchases in a Journal

### July 1

Purchased office equipment from eTronics for \$12,000 cash.

<b>Journal Entry – July 1</b>	<b>Debit</b>	<b>Credit</b>
Office equipment	12,000	
Cash		12,000

## Record Purchase of Inventory in a Journal

### July 3

Purchased \$60,000 of clothing inventory on account from the Birdwell Wholesale Clothing Company.

<b>Journal Entry – July 3</b>	<b>Debit</b>	<b>Credit</b>
Inventory	60,000	
Accounts payable		60,000

## Record Purchase of Supplies in a Journal

**July 6**

Purchased \$2,000 of supplies for cash.

<b>Journal Entry – July 6</b>	<b>Debit</b>	<b>Credit</b>
Supplies	2,000	
Cash		2,000



## Record Sales for Cash in a Journal

### July 4 – 31

During the month, sold merchandise costing \$20,000 for \$35,000 cash.

<b>Journal Entries – July 4 – 31</b>	<b>Debit</b>	<b>Credit</b>
Cash	35,000	
Sales revenue		35,000
Cost of goods sold (expense)	20,000	
Inventory		20,000

## Record Sales on Account in a Journal

### July 9

Sold clothing on account to Briarfield School for Girls for \$3,500. The clothing cost \$2,000.

<b>Journal Entries – July 9</b>	<b>Debit</b>	<b>Credit</b>
Accounts receivable	3,500	
Sales revenue		3,500
Cost of goods sold	2,000	
Inventory		2,000

## Additional Consideration—Sales of Inventory

### Perpetual inventory system

- Inventory and cost of goods sold accounts are continuously updated for purchase, sale, and return of merchandise

### Periodic inventory system

- Inventory and cost of goods sold are updated at the end of the reporting period

## Record Receipt of Prepaid Rent in a Journal

### July 16

Subleased a portion of the building to a jewelry store. Received \$1,000 in advance for the first two months' rent beginning on July 16.

<b>Journal Entry – July 16</b>	<b>Debit</b>	<b>Credit</b>
Cash	1,000	
Deferred rent revenue		1,000

## Record Payment on Account in a Journal

**July 20**

Paid Birdwell Wholesale Clothing \$25,000 on account.

<b>Journal Entry – July 20</b>	<b>Debit</b>	<b>Credit</b>
Accounts payable	25,000	
Cash		25,000

## Record Payment of Salaries in a Journal

### July 20

Paid salaries to employees for the first half of the month, \$5,000.

<b>Journal Entry – July 20</b>	<b>Debit</b>	<b>Credit</b>
Salaries expense	5,000	
Cash		5,000

## Record Receipt of Cash on Account in a Journal

**July 25**

Received \$1,500 on account from Briarfield.

<b>Journal Entry – July 25</b>	<b>Debit</b>	<b>Credit</b>
Cash	1,500	
Accounts receivable		1,500

## Record Payment of Dividends in a Journal

### July 30

The corporation paid its shareholders a cash dividend of \$1,000.

<b>Journal Entry – July 30</b>	<b>Debit</b>	<b>Credit</b>
Retained earnings	1,000	
Cash		1,000



## Concept Check: Recording an Expense

Recording an expense for salaries incurred and paid in cash would be recorded by:

- a. Debiting a liability
- b. Debiting an expense
- c. Debiting cash
- d. Crediting an expense

The correct answer is *b*. When an expense is incurred, it is recorded as a debit to a temporary owners' equity account, in this case salaries expense.

## Concept Check: Recording Common Stock

The journal entry to record the issuance of common stock in exchange for cash involves:

- a. A debit to common stock and a credit to cash
- b. A debit to cash and credits to common stock and retained earnings
- c. A debit to cash and a credit to common stock
- d. All of these answer choices are incorrect

The correct answer is c. Cash is an asset, so it is increased with a debit and common stock is a permanent equity account, so it is increased with a credit.

## Step 4: Posting Example

General Journal				
Date 2018	Account Title and Expansion	Post Ref.	Debit	Credit
July 1	Prepaid rent Cash <i>To record the payment of one year's rent in advance.</i>	130 100	24,000	24,000
General Ledger Accounts				
Cash		100	Prepaid Rent	
		130		
July 1 GJ1	60,000	24,000	July 1 GJ1	24,000
1 GJ1	40,000	12,000	1 GJ1	
4-31GJ1	35,000	2,000	6GJ1	
16 GJ1	1,000	25,000	20GJ1	
25GJ1	1,500	5,000	20GJ1	
		1,000	30GJ1	
<b>July 31 Bal.</b>	<b>68,500</b>		<b>July 31 Bal.</b>	<b>24,000</b>

Balance Sheet Accounts							
<b>Cash</b> <b>100</b>				<b>Prepaid Rent</b> <b>130</b>			
July GJ1	60,000	24,000	July 1 GJ1	July 1 GJ1	24,000		
1 GJ1	40,000	12,000	1 GJ1	1 GJ1			
4-31 GJ1	35,000	2,000	6 GJ1	6 GJ1			
16 GJ1	1,000	25,000	20 GJ1	20 GJ1			
25 GJ1	1,500	5,000	20 GJ1	20 GJ1			
		1,000	30 GJ1	30 GJ1			
<b>July 31 Bal.</b>	<b>68,500</b>			<b>July 31 Bal.</b>	<b>24,000</b>		
<b>Accounts Receivable</b> <b>110</b>				<b>Inventory</b> <b>140</b>			
July 9 GJ1	3,500	1,500	July 25 GJ1	July 3 GJ1	60,000	20,000	July 4-31
						2,000	9 GJ1
<b>July 31 Bal.</b>	<b>2,000</b>			<b>July 31 Bal.</b>	<b>38,000</b>		
<b>Supplies</b> <b>125</b>				<b>Office equipment</b> <b>150</b>			
July 6 GJ1	2,000			July 1 BJ1	12,000		
<b>July 31 Bal.</b>	<b>2,000</b>			<b>July 31 Bal.</b>	<b>12,000</b>		
<b>Accounts Payable</b> <b>210</b>				<b>Notes Payable</b> <b>220</b>			
July 20 GJ1	25,000	60,000	July 3 GJ1			40,000	July 1 GJ1
		35,000	<b>July 31 Bal.</b>			40,000	<b>July 31 Bal.</b>
<b>Deferred Rent Revenue</b> <b>230</b>							
		1,000	July 16 GJ1				
		1,000	<b>July 31 Bal.</b>				
<b>Common Stock</b> <b>300</b>				<b>Retained Earnings</b> <b>310</b>			
		60,000	July 1 GJ1	July 30 BJ1	1,000		
		60,000	<b>July 31 Bal.</b>	<b>July 31 Bal.</b>	<b>1,000</b>		

# Step 4: General Ledger Accounts

## Step 4: Posting from the Journal to the General Ledger Accounts

<b>Income Statement Accounts</b>							
<b>Sales Revenue</b>			<b>400</b>	<b>Cost of Goods Sold</b>			<b>500</b>
	35,000	July 4–31	GJ1	July 4–31	20,000		
				GJ2			
	3,500		9	GJ1	2,000		
	<b>38,500</b>		<b>July 31</b>	<b>July 31</b>	<b>22,000</b>		
			<b>Bal.</b>	<b>Bal.</b>			
<b>Salaries Expense</b>			<b>510</b>				
July 20	5,000	GJ1					
<b>July 31</b>	<b>5,000</b>	<b>Bal.</b>					

## Step 5: Prepare an Unadjusted Trial Balance

### Unadjusted trial balance

- List of the general ledger accounts along with their balances
- Purpose:
  - To check for completeness and prove that accounting equation is in balance

$$\begin{array}{ccc} \boxed{\text{Total debit}} & = & \boxed{\text{Total credit}} \\ \boxed{\text{balances}} & & \boxed{\text{balances}} \end{array}$$

- May contain offsetting errors
- Facilitates the preparation of adjusting entries

# Unadjusted Trial Balance

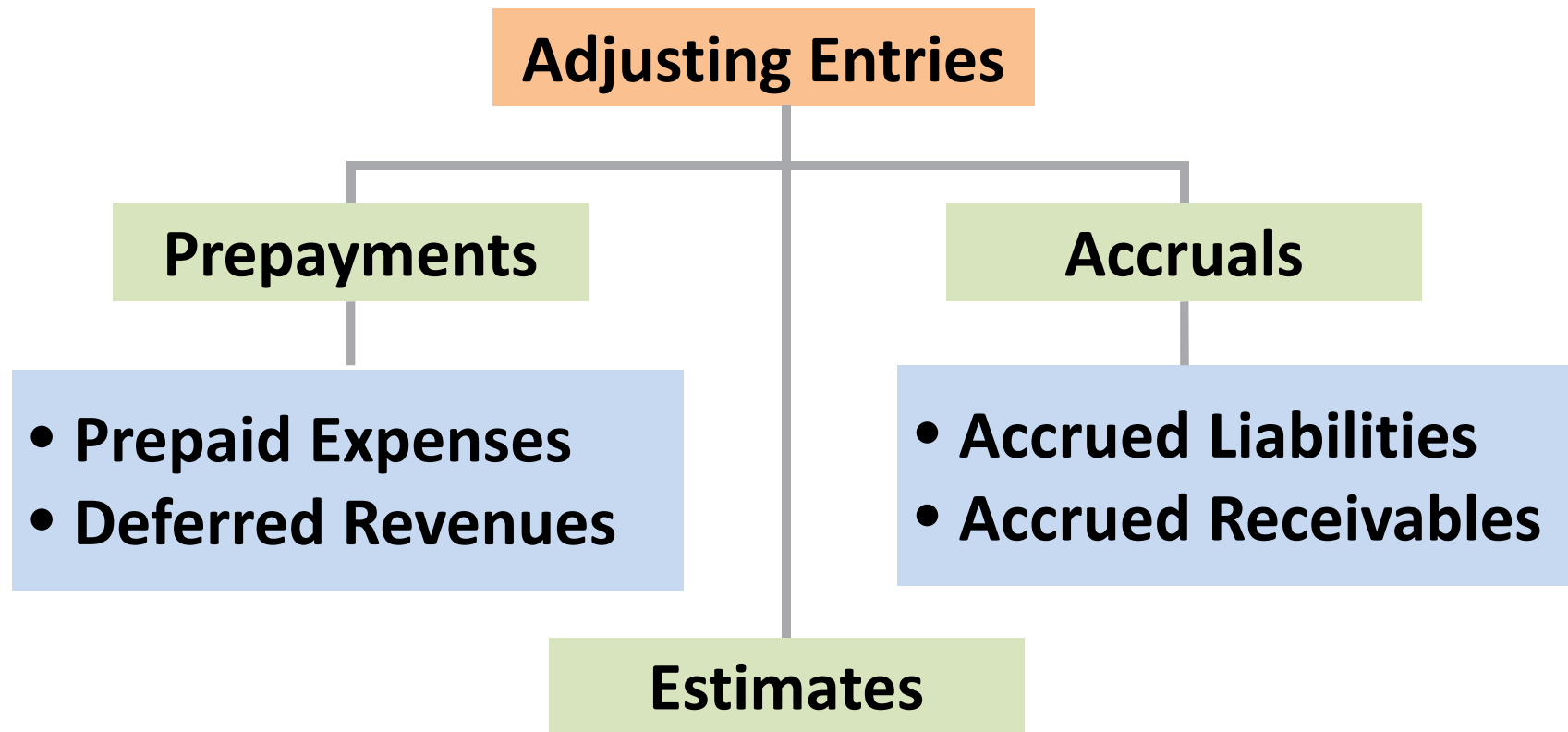
DRESS RIGHT CLOTHING CORPORATION		
Unadjusted Trial Balance		
July 31, 2018		
Account Title	Debits	Credits
Cash	68,500	
Accounts receivable	2,000	
Supplies	2,000	
Prepaid rent	24,000	
Inventory	38,000	
Office equipment	12,000	
Accounts payable		
Notes payable		35,000
Deferred rent revenue		40,000
Common stock		1,000
Retained earnings	1,000	60,000
Sales revenue		
Cost of goods sold		38,500
Salaries expense	22,000	
	<u>5,000</u>	<u>          </u>
Totals	<u>174,500</u>	<u>174,500</u>

## Step 6: Record Adjusting Entries and Post to the Ledger Accounts

- Record the effect of internal events on the accounting equation
  - Recorded at the end of any period when financial statements are prepared
- **Objective:**
  - To implement the accrual accounting model
    1. To ensure that all revenues are recognized in the period goods or services are transferred to customers
    2. To ensure that all expenses are recognized in the period incurred



# Adjusting Entries



## Prepayments

- Occur when the cash *precedes* either expense or revenue recognition
- Sometimes referred to as *deferrals*
- Includes:
  - **Prepaid expenses**
  - **Deferred revenues**

## Prepaid Expenses

- Cost of assets *acquired* in one period and *expensed* in a future period

### Adjusting entries

Prepaid Expenses		Financial Statement Effects	
Asset	Expense	Income Statement	Balance Sheet
Credit	Debit	Income ↓	Assets ↓

## Adjustment for Supplies—Prepaid Expense

### Example:

The Dress Right Clothing Corporation purchased \$2,000 of supplies in July. Assume that Dress Right determines that at the end of July, \$1,200 of supplies remain.

Journal Entry – July 31	Debit	Credit
Supplies expense	800	
Supplies		800

Supplies	
Beg. bal.	0
	2,000
End. bal.	1,200

Supplies Expense	
Beg. bal.	0
	800
End. bal.	800

## Adjustment for Prepaid Rent

### Example:

At the beginning of July, Dress Right Clothing Corporation paid \$24,000 to its landlord representing one year's rent paid in advance.

Journal Entry – July 31	Debit	Credit
Rent expense ( $\$24,000 \div 12$ )	2,000	
Prepaid rent		2,000

Prepaid Rent	
Beg. bal.	0
	24,000
	<b>2,000</b>
End. bal.	22,000

Rent Expense	
Beg. bal.	0
	<b>2,000</b>
End. bal.	2,000

## Adjustment for Long Lived Assets— Depreciation

### Example:

Office equipment was purchased during the month of July for \$12,000. Assume that its useful life is five years (60 months) and it will be worthless at the end of that period.

Journal Entry – July 31	Debit	Credit
Depreciation expense	200	
Accumulated depreciation— office equipment		200

**Contra asset account**

$12,000 \div 60 \text{ months}$

## Concept Check: Prepaid Expenses

The correct amount of prepaid insurance shown on a company's December 31, 2018, balance sheet was \$1,400. On May 1, 2019, the company paid an additional insurance premium of \$1,100. In the December 31, 2019, balance sheet, the amount of prepaid insurance was correctly shown as \$1,000. The amount of *insurance expense* that should appear in the company's 2019 income statement is:

- a. \$2,000
- b. \$1,900
- c. \$1,500
- d. \$1,600

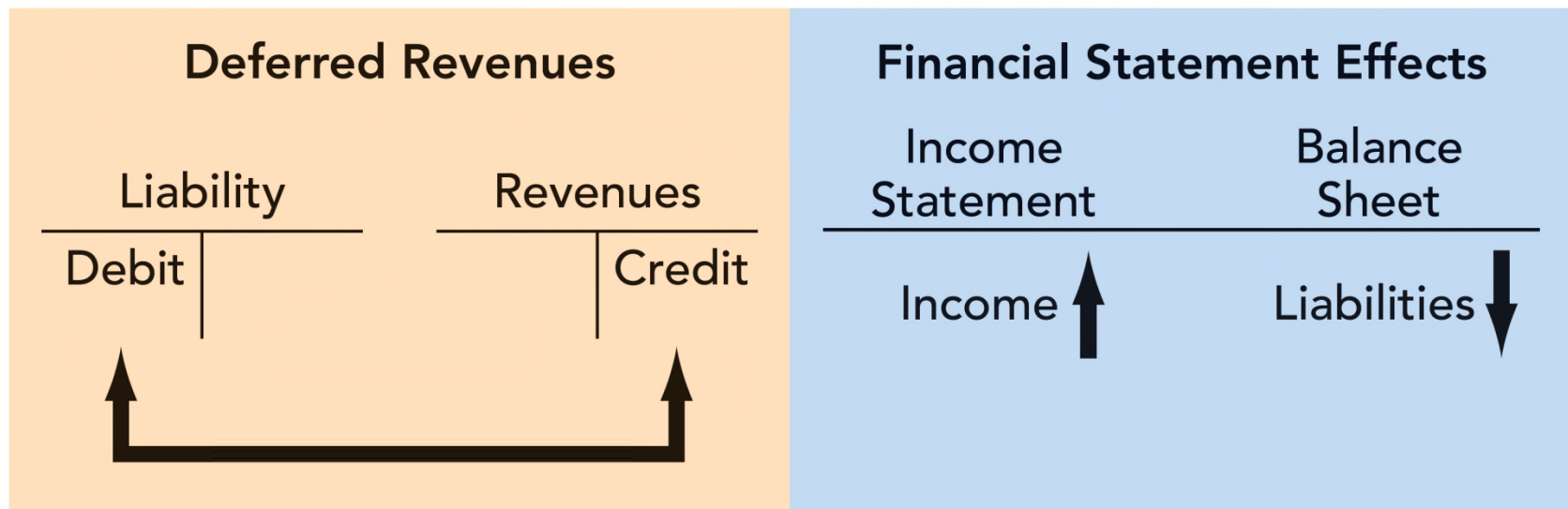
The correct answer is c:

$[\$1,400 \text{ (beginning balance)} + \$1,100 \text{ (additional payment)} - \$1,000 \text{ (ending balance)}] = \mathbf{\$1,500}$

## Deferred Revenues

- Cash received from customers in advance of providing a good or service
- Represent a company's obligation to provide goods or services in the future

### Adjusting entries





## Deferred Revenue Adjusting Entry

### Example:

Dress Right Clothing Corporation subleased space to a jewelry store for \$500 per month. On July 16, the jewelry store paid Dress Right \$1,000 in advance for the first two months' rent. By the end of July, one half of one month's rent service has been provided.

Journal Entry – July 31	Debit	Credit
Deferred rent revenue	250	
Rent revenue		250

Deferred Rent Revenue	
	0 Beg.bal.
<b>250</b>	1,000
	750 End.bal.

Rent Revenue	
	0 Beg.bal.
<b>250</b>	
	250 End.bal.

## Concept Check: Deferred Revenue

The Contra Costa Times Company reported a \$17,200 liability in its 2018 balance sheet for subscription revenue received in advance. During 2019, \$68,000 was received from customers for subscriptions and the 2019 income statement reported subscription revenue of \$69,700. What is the liability amount for deferred subscription revenue that will appear in the 2019 balance sheet?

- a. \$0
- b. \$17,200
- c. \$18,900
- d. \$15,500

The correct answer is *d*:

\$17,200	beginning balance
68,000	additional receipts
<u>(69,700)</u>	subscription revenue recognized
<b>\$15,500</b>	

## Alternative Approach to Record Prepaid Expenses

### Example:

On July 1, 2018, Dress Right paid \$24,000 in cash for one year's rent on its building. The company could have debited rent expense, and the adjusting entry records the prepaid rent as of the end of July.

Journal Entry		Debit	Credit
July 1	Rent expense	24,000	
	Cash		24,000
July 31	Prepaid rent	22,000	
	Rent expense		22,000

Rent Expense	
Beg. bal.	0
	24,000
	<b>22,000</b>
End. bal.	2,000

Prepaid Rent	
Beg. bal.	0
	<b>22,000</b>
End. bal.	22,000

# Alternative Approach to Deferred Revenues

## Example:

Dress Right Clothing Corporation subleased a portion of its building for \$500 per month. On July 16, the jewelry store paid Dress Right \$1,000 in advance for the first two months' rent.

Journal Entry – July 16		Debit	Credit
July 16	Cash	1,000	
	Rent revenue		1,000
July 31	Rent revenue	750	
	Deferred rent revenue		750

Rent Revenue	
	0 Beg.bal.
<b>750</b>	1,000
	250 End.bal.

Deferred Rent Revenue	
	0 Beg.bal.
<b>750</b>	
	750 End.bal.

# Accruals

- Involve cash flows that occur **after** either expense or revenue recognition
- Includes:

## Accrued Liabilities

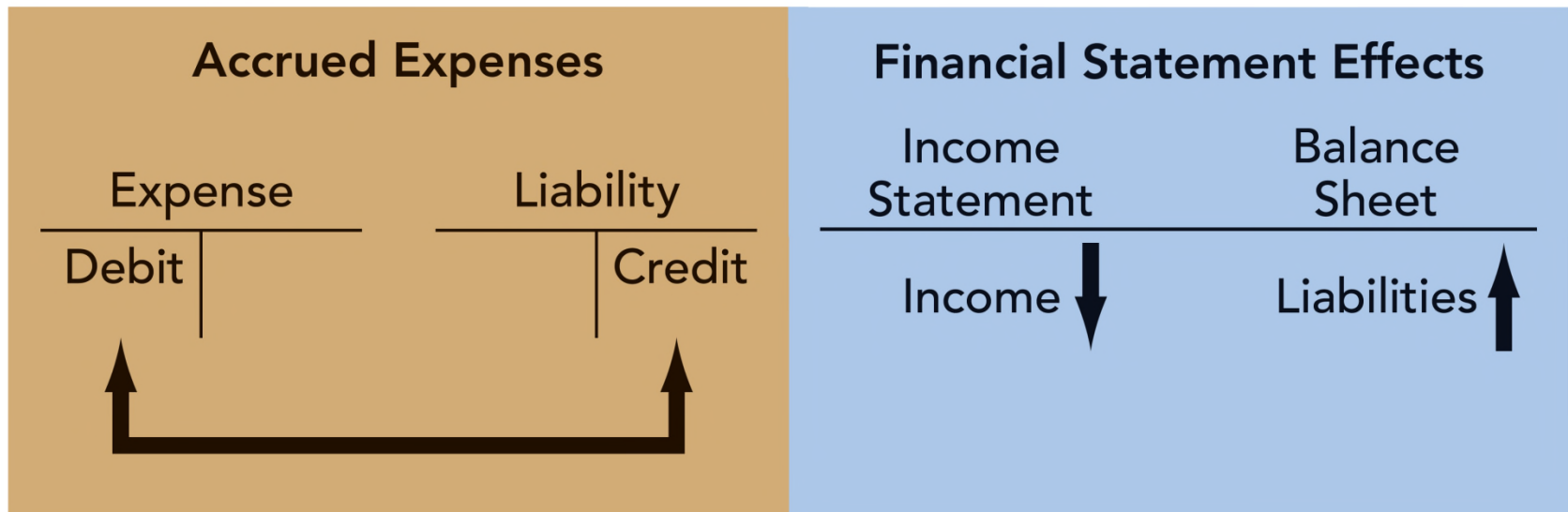
## Accrued Receivables

- Many accruals involve **external transactions** that automatically are recorded from a source document
- Some accruals involve **internal transactions** and require adjusting entries

## Accrued Liabilities

- Represent liabilities recorded when an expense has been incurred prior to cash payment

### Adjusting entries



## Accrued Liabilities—Salaries

### Example:

On July 20, Dress Right Clothing Corporation paid employees \$5,000 for salaries for the first half of the month. Assume that salaries for the second half of July are \$5,500 and will be paid in early August.

Journal Entry – July 1	Debit	Credit
Salaries expense	5,500	
Salaries payable		5,500

Salaries Payable	
0	Beg. bal.
<b>5,500</b>	
5,550	End. bal.

Salaries Expense	
Beg. bal.	0
July 20	5,000
	<b>5,500</b>
End. bal.	10,500

## Accrued Liabilities—Interest Payable

### Example:

The unadjusted trial balance of Dress Right reflects a balance in the notes payable account of \$40,000. The company borrowed this amount on July 1, 2018, evidenced by two notes, each requiring the payment of 10% interest.

$$\begin{array}{rcccccc} \text{Principal} & \times & \text{Interest rate} & \times & \text{Time} & = & \text{Interest} \\ \$40,000 & \times & 10\% & \times & \frac{1}{12} & = & \$333 \text{ (rounded)} \end{array}$$

<b>Journal Entry – July 31</b>	<b>Debit</b>	<b>Credit</b>
Interest expense	333	
Interest payable		333



## Concept Check: Interest Expense

Gary's Grocery borrowed \$12,000 at 8% interest on May 1, 2018, with principal and interest due on April 31, 2019. The company's fiscal year ends December 31. What amount of interest expense would appear in the company's income statement for the year ended December 31, 2018, related to this loan?

- a. \$480
- b. \$640
- c. \$960
- d. \$560

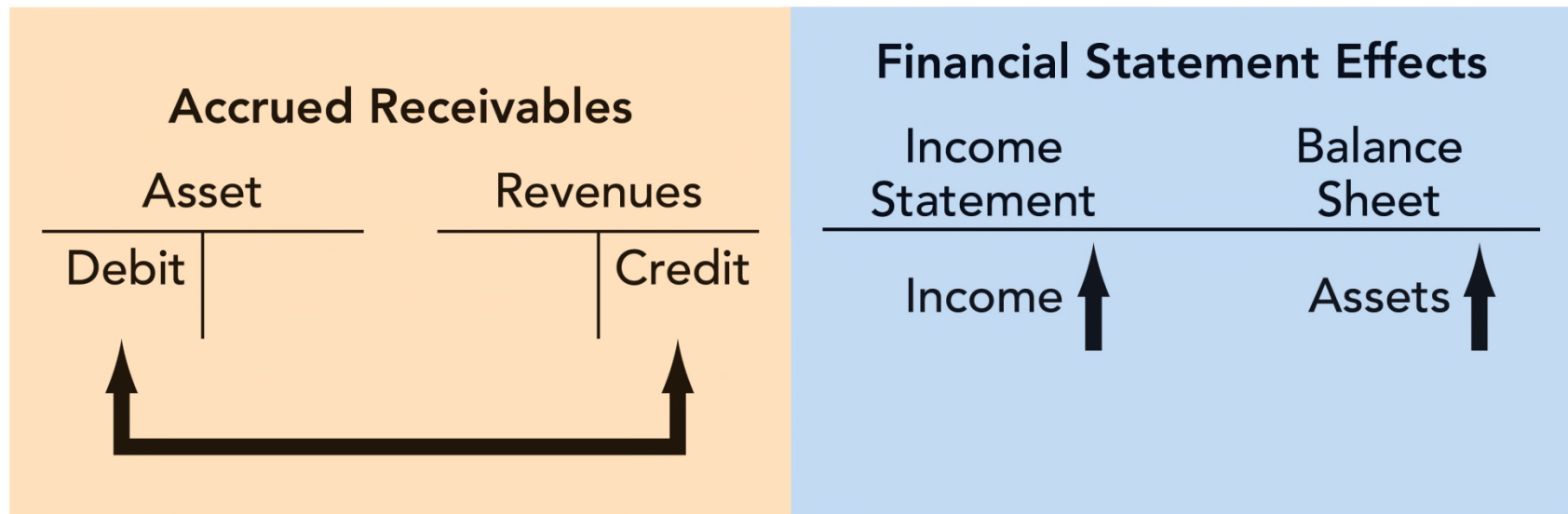
The correct answer is *b*:

$$\$12,000 \times 8\% \times 8/12 = \mathbf{\$640}$$

## Accrued Receivables

- Involve situations when revenue is recognized in a period prior to the cash receipt

### Adjusting entries



## Accrued Receivables—Interest Revenue

### Example:

Assume that Dress Right loaned another corporation \$30,000 at the beginning of August. Terms of the note call for the payment of principal, \$30,000, and interest at 8% in three months.

$$\begin{array}{rcccccc} \text{Principal} & \times & \text{Interest rate} & \times & \text{Time} & = & \text{Interest} \\ \$30,000 & \times & 8\% & \times & \frac{1}{12} & = & \$200 \end{array}$$

<b>Journal Entry – August 31</b>	<b>Debit</b>	<b>Credit</b>
Interest receivable	200	
Interest revenue		200

# Estimates

- Third classification of adjusting entries

## Example:

- **Depreciation expense** requires an estimate of:
  - Expected useful life
  - Expected residual value
- **Bad debt expense** requires estimate of:
  - Amount of accounts receivable uncollectible

## Step 7: Prepare an Adjusted Trial Balance

### Adjusted trial balance

- Trial balance after adjusting entries have been recorded



# Adjusted Trial Balance

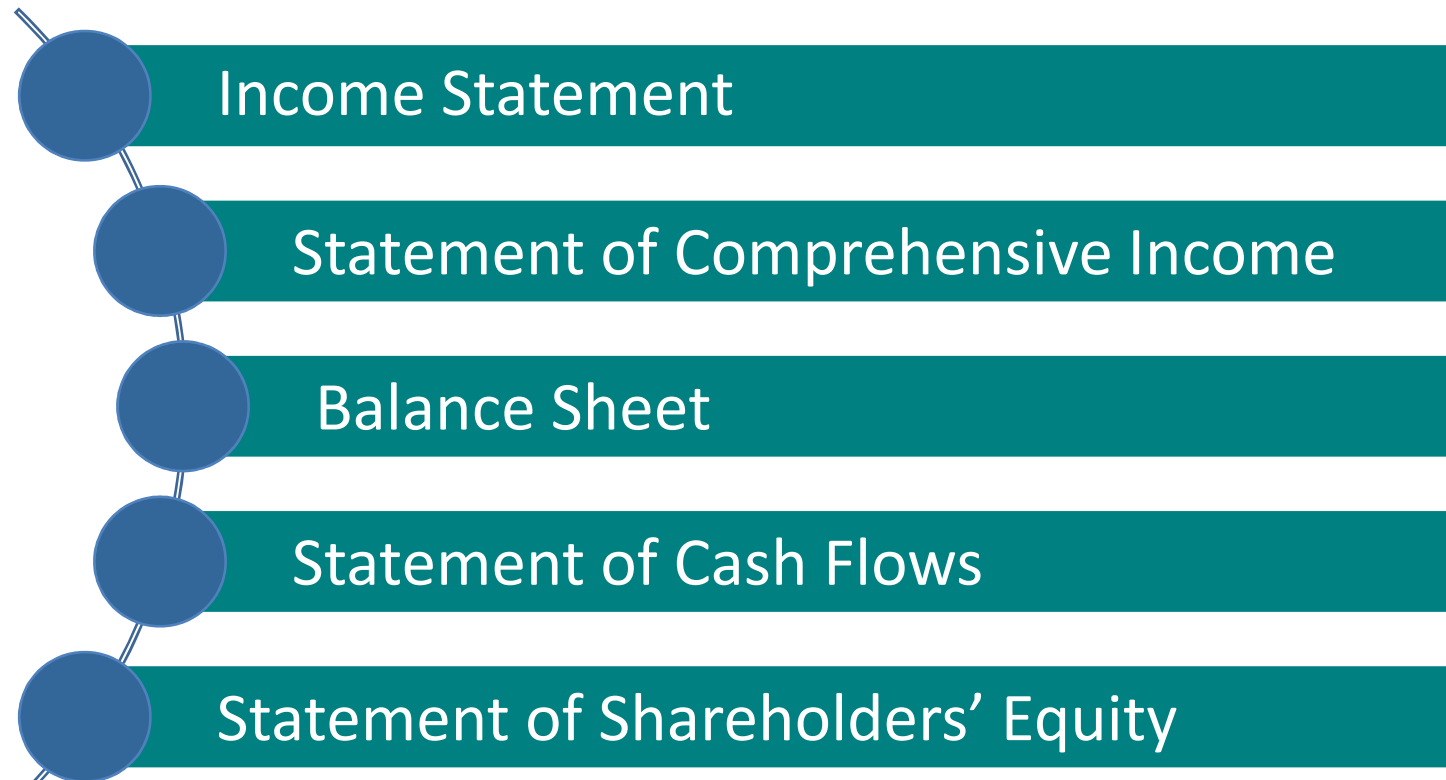
DRESS RIGHT CLOTHING CORPORATION Adjusted Trial Balance July 31, 2018		
Account Title	Debits	Credit
Cash	68,500	
Accounts receivable	2,000	
Supplies	1,200	
Prepaid rent	22,000	
Inventory	38,000	
Office equipment	12,000	
Accumulated depreciation-office equip.		200
Accounts payable		35,000
Notes payable		40,000
Deferred rent revenue		750
Salaries payable		5,500
Interest payable		333
Common stock		60,000
Retained earnings	1,000	
Sales revenue		38,500
Rent revenue		250
Cost of goods sold	22,000	
Salaries expense	10,500	
Supplies expense	800	
Rent expense	2,000	
Depreciation expense	200	
Interest expense	333	
<b>Totals</b>	<b><u>180,533</u></b>	<b><u>180,533</u></b>

DRESS RIGHT CLOTHING CORPORATION Unadjusted Trial Balance July 31, 2018		
Account Title	Debits	Credit
Cash	68,500	
Accounts receivable	2,000	
Supplies	2,000	
Prepaid rent	24,000	
Inventory	38,000	
Office equipment	12,000	
Accounts payable		
Notes payable		35,000
Deferred rent revenue		40,000
Common stock		1,000
Retained earnings	1,000	60,000
Sales revenue		
Cost of goods sold		38,500
Salaries expense	22,000	
	<u>5,000</u>	
<b>Totals</b>	<b><u>174,500</u></b>	<b><u>174,500</u></b>

# Step 8: Preparation of Financial Statements

## Financial Statements

- Primary means of communicating financial information to external parties



# Income Statement

- A **change** statement that reports the change in shareholders' equity (retained earnings) that occurred during the period as a result of revenues, expenses, gains, and losses

Dress Right Clothing Corporation Income Statement For the Month of July 2018		
Sales revenue		\$38,500
Cost of goods sold		<u>22,000</u>
Gross profit		16,500
Operating expenses:		
Salaries	\$10,500	
Supplies	800	
Rent	2,000	
Depreciation	<u>200</u>	
Total operating expenses		<u>13,500</u>
Operating income		3,000
Other income (expense):		
Rent revenue	250	
Interest expense	<u>(333)</u>	<u>(83)</u>
Net income		<b>\$ 2,917</b>



# Statement of Comprehensive Income

- Reports the changes in shareholders' equity during the period that were not a result of **transactions with owners**
- A few types of gains and losses, called **other comprehensive income (OCI) or loss** items, are excluded from the determination of net income and the income statement, but are included in the broader concept of comprehensive income
- Can be reported in one of two ways:
  - In a single, continuous statement of comprehensive income
  - Two separate but consecutive statements
    - The first statement is an income statement
    - The second statement, a statement of comprehensive income, begins with net income followed by OCI items to arrive at comprehensive income

## Balance Sheet

- Presents the financial position of a company
  - Organized list of assets, liabilities, and shareholders' equity at a point in time
- Classification: according to common characteristics

### Current assets

- Cash
- Will be converted into cash
- Will be used up within one year or the operating cycle, whichever is longer

### Current liabilities

- Liabilities that will be satisfied within one year or the operating cycle, whichever is longer

## Balance Sheet (continued)

### Noncurrent assets

- Include property and equipment, long-term receivables, and investments

### Long term liabilities

- Include all liabilities not classified as current

### Shareholders' equity

- Lists the paid-in capital portion of equity—common stock—and retained earnings

# Balance Sheet Example

<b>DRESS RIGHT CLOTHING CORPORATION</b>		
<b>Balance Sheet</b>		
<b>At July 31, 2018</b>		
<b>Assets</b>		
Current assets:		
Cash		\$ 68,500
Accounts receivable		2,000
Supplies		1,200
Inventory		38,000
Prepaid rent		<u>22,000</u>
Total current assets		131,700
Property and equipment:		
Office equipment	\$12,000	
Less: Accumulated depreciation	<u>200</u>	<u>11,800</u>
Total assets		<u>\$143,500</u>
<b>Liabilities and Shareholders' Equity</b>		
Current liabilities:		
Accounts payable		\$35,000
Salaries payable		5,500
Deferred rent revenue		750
Interest payable		333
Note payable		<u>10,000</u>
Total current liabilities		51,583
Long-term liabilities		
Note payable		30,000
Shareholders' equity:		
Common stock, 6,000 shares issued and outstanding	\$60,000	
	<u>1,917*</u>	
Retained earnings		<u>61,917</u>
Total shareholders' equity		<u>\$143,500</u>
Total liabilities and shareholders' equity		
*Beginning retained earnings + Net income – Dividends		
\$0	+	2,917 – 1,000 = <b>\$1,917</b>

# Statement of Cash Flows

- Provides information about **cash receipts** and **cash disbursements**
- Cash refers to **cash** plus **cash equivalents**
- Three categories of transactions affecting cash

## Operating activities

- Inflows and outflows of cash related to transactions entering into the determination of net income

## Investing activities

- Involve the acquisition and sale of (1) long-term assets used in the business and (2) nonoperating investment assets

## Financing activities

- Involve cash inflows and outflows from transactions with creditors and owners

# Statement of Cash Flows Example

<b>DRESS RIGHT CLOTHING CORPORATION</b>		
<b>Statement of Cash Flows</b>		
<b>For the Month of July 2018</b>		
<b>Cash Flows from Operating Activities</b>		
Cash inflows:		
From customers	\$36,500	
From rent	1,000	
Cash outflows:		
For rent	(24,000)	
For supplies	(2,000)	
To suppliers of merchandise	(25,000)	
To employees	<u>(5,000)</u>	
Net cash flows from operating activities		\$(18,500)
<b>Cash Flows from Investing Activities</b>		
Purchase of office equipment		(12,000)
<b>Cash Flows from Financing Activities</b>		
Issue of common stock	\$60,000	
Increase in notes payable	40,000	
Payment of cash dividend	<u>(1,000)</u>	
Net cash flows from financing activities		<u>99,000</u>
<b>Net increase in cash</b>		<b><u>\$68,500</u></b>

## Statement of Shareholders' Equity

- Discloses the sources of the changes in the various permanent shareholders' equity accounts from:
  - Investments by owners
  - Distributions to owners
  - Net income
  - Other comprehensive income

<b>DRESS RIGHT CLOTHING CORPORATION</b>			
<b>Statement of Shareholders' Equity</b>			
<b>For the Month of July 2018</b>			
	<b>Common Stock</b>	<b>Retained Earnings</b>	<b>Total Shareholders' Equity</b>
Balance at July 1, 2018	\$ -0-	\$ -0-	\$ -0-
Issue of common stock	60,000		60,000
Net income for July 2018		<b>2,917</b>	2,917
Less: Dividends	_____	<u>(1,000)</u>	<u>(1,000)</u>
Balance at July 31, 2018	<u>\$60,000</u>	<u>\$1,917</u>	<u>\$61,917</u>

## Step 9: Closing Process

Serves a ***dual purpose***

### (1) Temporary accounts are reduced to zero balances

- To measure activity in the upcoming accounting period
- Revenues and expenses are closed to income summary

### (2) Temporary account balances are closed (transferred) to retained earnings

- To reflect the changes that have occurred
- Income summary is closed to retained earnings

### **Income summary:**

A bookkeeping convenience that provides a check that all temporary accounts have been properly closed



## Closing Revenue Accounts to Income Summary

- Assume that the fiscal year-end for Dress Right is July 31
  - Using the adjusted trial balance, we prepare the following entry to close revenues to income summary

<b>Journal Entry – July 31</b>	<b>Debit</b>	<b>Credit</b>
Sales revenue	38,500	
Rent revenue	250	
Income summary		<b>38,750</b>

## Closing Expense Accounts to Income Summary

- The second closing entry transfers the expense account balances to income summary

Journal Entry – July 31	Debit	Credit
Income summary	<b>35,833</b>	
Cost of goods sold		22,000
Salaries expense		10,500
Supplies expense		800
Rent expense		2,000
Depreciation expense		200
Interest expense		333

## Closing Income Summary to Retained Earnings

- The third entry closes the income summary account to retained earnings

Income Summary			
Expenses	35,833	38,750	Revenues
		2,917	Net income

Journal Entry – July 31	Debit	Credit
Income summary	2,917	
Retained earnings		2,917

## Concept Check: Income Summary

If expenses exceed revenues for the accounting period, the income summary account:

- a. Will have a debit balance after closing
- b. Will have a debit balance prior to closing
- c. Will have a credit balance prior to closing
- d. All of these answer choices are incorrect

The correct answer is *a*. Revenues are debited to reduce them to zero and the income summary account is **credited**. Expenses are credited to reduce them to zero and the income summary account is **debited**. So, a debit balance in income summary results from expenses for the period exceeding revenues.

## Additional Consideration: Closing Dividends

- The journal entry to record a cash dividend:

<b>Journal Entry</b>	<b>Debit</b>	<b>Credit</b>
Dividends	1,000	
Cash		1,000

- The journal entry to close the dividends account into retained earnings:

<b>Journal Entry – July 31</b>	<b>Debit</b>	<b>Credit</b>
Retained earnings	1,000	
Dividends		1,000

## Step 10: Prepare a Post-Closing Trial Balance

Prepared at **year-end only** to verify that the closing entries were prepared and posted correctly.

DRESS RIGHT CLOTHING CORPORATION Post-Closing Trial Balance July 31, 2018		
Account Title	Debits	Credits
Cash	68,500	
Accounts Receivable	2,000	
Supplies	1,200	
Prepaid rent	22,000	
Inventory	38,000	
Office equipment	12,000	
Accumulated depreciation-office equip.		200
Accounts payable		35,000
Notes payable		40,000
Deferred rent revenue		750
Salaries payable		5,500
Interest payable		333
Common stock		60,000
Retained earnings		1,917
Totals	<u>143,700</u>	<u>143,700</u>

# Conversion from Cash Basis to Accrual Basis

## Cash basis accounting

- Produces a measure called **net operating cash flow**
- Calculated as: **Cash receipts – Cash disbursements (from operating activities)**

## Accrual basis accounting

- Measures an entity's accomplishments and resource sacrifices during the period, regardless of when cash is received or paid

## Example One of Conversion from Cash Basis to Accrual Basis

### Example:

Suppose a company paid \$20,000 cash for insurance during the fiscal year and you determine that there was \$5,000 in prepaid insurance at the beginning of the year and \$3,000 at the end of the year. You can determine insurance expense for the year.

	<b>Prepaid Insurance</b>
<b>Balance, beginning of year</b>	<b>\$ 5,000</b>
<b>Plus: Cash paid</b>	<b>20,000</b>
<b>Less: Insurance expense</b>	<b>(22,000)</b>
<b>Balance, end of year</b>	<b><u>\$ 3,000</u></b>



## Example Two of Conversion from Cash Basis to Accrual Basis

### Example:

Suppose a company paid \$150,000 for salaries to employees during the year and you determine that there were \$12,000 and \$18,000 in salaries payable at the beginning and end of the year, respectively.

<b>Salaries Payable</b>	
<b>Balance, beginning of year</b>	<b>\$ 12,000</b>
<b>Plus: Salaries expense</b>	<b>156,000</b>
<b>Less: Cash paid</b>	<b>(150,000)</b>
<b>Balance, end of year</b>	<b><u>\$ 18,000</u></b>

<b>Salaries Payable</b>		<b>Salaries Expense</b>	
	12,000	Beg.bal.	
Cash paid	150,000		
	<b>156,000</b>	Salaries exp.	<b>156,000</b>
	18,000	End.bal.	156,000

## Example Three of Conversion from Cash Basis to Accrual Basis

### Example:

Using T-accounts, assume that the amount of cash collected from customers during the year was \$220,000, and you know that accounts receivable at the beginning of the year was \$45,000 and \$33,000 at the end of the year. Determine the sales revenue.

Accounts Receivable		Sales Revenue	
Beg. bal.	45,000		
Credit sales	<b>208,000</b>	Cash collections	<b>208,000</b>
	220,000		
End. bal.	33,000		

## Converting Cash Basis to Accrual Basis Income

Converting Cash Basis Income to Accrual Basis Income		
	Increases	Decreases
Assets	Add	Deduct
Liabilities	Deduct	Add

## Concept Check: Cash to Accrual Basis

Dan White Draperies maintains its records on a cash basis. During 2018, the company collected \$75,000 from customers and paid \$21,000 in expenses. Depreciation expense of \$8,000 would have been recorded on an accrual basis. Over the course of the year, accounts receivable increased \$7,000, prepaid expenses decreased \$5,000, and accrued liabilities decreased \$4,000. Dan's accrual basis net income was:

- a. \$41,000
- b. \$57,000
- c. \$52,000
- d. \$45,000

The correct answer is c:

Cash receipts	\$75,000
Less cash disbursements	<u>21,000</u>
Cash basis net income	54,000
Deduct: Depreciation expense	(8,000)
Decrease in prepaid expenses	(5,000)
Add: Increase in accounts receivable	7,000
Decrease in accrued liabilities	<u>4,000</u>
Accrual basis net income	<b>\$52,000</b>

## Use of a Worksheet

- Often used to organize the accounting information needed to prepare adjusting and closing entries and the financial statements

Worksheet, Dress Right Clothing Corporation, July 31, 2018											
Account Title	Unadjusted Trial Balance		Adjusting Entries		Adjusted Trial Balance		Income Statement		Balance Sheet		
	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.	
Cash	68,500				68,500					68,500	
Accounts receivable	2,000				2,000					2,000	
Supplies	2,000		(1)	800	1,200					1,200	
Prepaid rent	24,000		(2)	2,000	22,000					22,000	
Inventory	38,000				38,000					38,000	
office equipment	12,000				12,000					12,000	
Accumulated depreciation - office equipment		0	(3)	200		200					200
Accounts payable		35,000				35,000					35,000
Note payable		40,000				40,000					40,000
Deferred rent revenue		1,000	(4)	250		750					750
Salaries payable		0	(5)	5,500		5,500					5,500
Interest payable		0	(6)	333		333					333
Common stock		60,000				60,000					60,000
Retained earnings	1,000				1,000					1,000	
Sales revenue		38,500				38,500		38,500			
Rent revenue		0	(4)	250		250		250			
Cost of goods sold	22,000				22,000		22,000				
Salaries expense	5,000		(5)	5,500	10,500		10,500				
Supplies expense	0		(1)	800	800		800				
Rent expense	0		(2)	2,000	2,000		2,000				
Depreciation expense	0		(3)	200	200		200				
Interest expense	0		(6)	333	333		333				
<b>Totals</b>	<b>174,500</b>	<b>174,500</b>		<b>9,083</b>	<b>9,083</b>	<b>180,533</b>	<b>180,533</b>				
Net Income								2,917			2,917
<b>Totals</b>								<b>38,750</b>	<b>38,750</b>	<b>144,700</b>	<b>144,700</b>

## Adjusting Entry to be Reversed

### Example:

The following adjusting entry for accrued salaries was prepared for the Dress Right Clothing Corporation to record accrued salaries at the end of July.

<b>Journal Entry – July 31</b>	<b>Debit</b>	<b>Credit</b>
Salaries expense	5,500	
Salaries payable		5,500

<b>Salaries Expense</b>	
Bal. July 31	10,500

<b>Salaries Payable</b>		
	5,500	Bal. July 31
(Cash payment)	5,500	
	–0–	Balance

## Reversing Entry

### Example:

The following reversing entry for accrued salaries is recorded for accrued salaries at the beginning of August.

Journal Entry – August 1	Debit	Credit
Salaries payable	5,500	
Salaries expense		5,500

Salaries Expense			Salaries Payable	
Bal. July 31	10,500			5,500
		5,500	(Reversing entry)	5,500
(Cash payment)	5,500			
Balance	10,500			–0–
				Bal. July 31
				Balance

## Subsidiary Ledger and Control Account Example

- Contain a group of subsidiary accounts associated with a particular general ledger control accounts
  - Accounts receivable, accounts payable, property and equipment, investments

<b>General Ledger</b>				
Accounts Receivable			110	
July 31 Balance	2,000			
Aug. 31 SJ1	<b>3,295</b>			
				Control account
<b>Accounts Receivable Subsidiary Ledger</b>				
Leland High School			<b>801</b>	
August 5 SJ1	<b>1,500</b>			Subsidiary account



## Special Journals

- Used to capture the dual effect of repetitive transactions in debit/credit form
  - Cash receipts journal, cash disbursements journal, sales journal, purchases journal
- Simplify the recording process:
  1. Journalizing is made **more efficient** through the use of specifically designed formats
  2. Individual transactions are not posted to the general ledger accounts, they are accumulated and a summary posting is made periodically
  3. Responsibility for recording entries for repetitive transactions is placed on **individuals with specialized training**

## Sales Journal

- Purpose is to record all **credit sales**
  - Cash sales are recorded in the cash receipts journal
- Every entry has the **same effect**
  - Accounts receivable control is debited
  - Sales revenue is credited
  - Only one column needed
- Other columns have information needed for the **accounts receivable subsidiary ledger**

# Sales Journal Example

Page 1

Date 2018	Accounts Receivable Subsidiary Account No.	Customer Name	Sales Invoice No.	Cr. Sales Revenue Dr. Accounts Receivable
Aug. 5	801	Leland High School	10-221	1,500
9	812	Mr. John Smith	10-222	200
18	813	Greystone School	10-223	825
22	803	Ms. Barbara Jones	10-224	120
29	805	Hart Middle School	10-225	650
				<b><u>3,295</u></b>

**General Ledger**

Accounts Receivable		Sales Revenue	
	110		400
July 31 Balance	2,000		
Aug. 31 <span style="border: 1px solid blue; padding: 1px;">SJ1</span>	<b>3,295</b>	<b>3,295</b>	Aug. 31 SJ1

## Sales Journal Example (continued)

				Page 1
Date 2018	Accounts Receivable Subsidiary Account No.	Customer Name	Sales Invoice No.	Cr. Sales Revenue (400) Dr. Accounts Receivable (110)
Aug. 5	801	Leland High School	10-221	1,500
9	812	Mr. John Smith	10-222	200
18	813	Greystone School	10-223	825
22	803	Ms. Barbara Jones	10-224	120
29	805	Hart Middle School	10-225	<u>650</u>
				<b><u>3,295</u></b>

### Accounts Receivable Subsidiary Ledger

Leland High School		801
August 5 SJ1	1,500	

## Cash Receipts Journal

- Purpose is to record all **cash receipts**, regardless of the source
- Every transaction recorded here produces a **debit to the cash account**
  - Credit to various accounts
  - Column keeps track of the various accounts
- If an entry uses the accounts receivable column, a **credit is posted to the accounts receivable subsidiary ledger** for that customer

## Cash Receipts Journal Example

Date 2018	Explanation or Account Name	Dr. Cash (100)	Cr. Accounts Receivable (110)	Cr. Sales Revenue (400)	Cr. Other	Other Accounts	Page 1
Aug. 7	Cash sale	500		500			
11	Borrowed cash	10,000			<b>10,000</b>	Note payable (220)	
17	Leland High School	<b>750</b>	750				
20	Cash sale	300		300			
25	Mr. John Smith	<u>200</u>	<u>200</u>	—	—		
		<u>11,750</u>	<b><u>950</u></b>	<b><u>800</u></b>	<b><u>10,000</u></b>		

### Accounts Receivable Subsidiary Ledger

Leland High School		801
August 5 SJ1	<b>1,500</b>	
	<b>750</b>	August 17 CR1



# End of Chapter 2

## Chapter 2 – Review of the Accounting Process

		Click on links
Exercise 2-01	Transaction analysis	<a href="#">Exercise 2-01</a>
Exercise 2-02	Journal entries	<a href="#">Exercise 2-02</a>
Exercise 2-03	T-accounts and trial balance	<a href="#">Exercise 2-03</a>
Exercise 2-04	Journal Entries	<a href="#">Exercise 2-04</a>
Exercise 2-08	Adjusting Entries	<a href="#">Exercise 2-08</a>
Exercise 2-11	Adjusting entries	<a href="#">Exercise 2-11</a>
Exercise 2-12	Financial statements and closing entries	<a href="#">Exercise 2-12</a>
Exercise 2-13	Closing entries	<a href="#">Exercise 2-13</a>
Exercise 2-15	Cash versus accrual accounting; adjusting entries	<a href="#">Exercise 2-15</a>
Exercise 2-16	External transactions and adjusting entries	<a href="#">Exercise 2-16</a>
Exercise 2-18	Cash versus accrual accounting	<a href="#">Exercise 2-18</a>
Exercise 2-20	Worksheet	<a href="#">Exercise 2-20</a>
Exercise 2-21	Reversing entries	<a href="#">Exercise 2-21</a>



# Exercise 2-1

---

The following transactions occurred during March year 1 for the Plare Corporation. The company owns and operates a wholesale warehouse.

1. Issued 32,500 shares of common stock in exchange for \$325,000 in cash.
2. Purchased equipment at a cost of \$36,000. \$12,100 cash was paid and a note payable was signed for the balance owed.
3. Purchased inventory on account at a cost of \$97,000. The company uses the perpetual inventory system.
4. Credit sales for the month totaled \$150,000. The cost of the goods sold was \$75,445.
5. Paid \$4,000 in rent on the warehouse building for the month of March.
6. Paid \$5,100 to an insurance company for fire and liability insurance for a one-year period beginning April 1, year 1.
7. Paid \$75,000 on account for the merchandise purchased in 3.
8. Collected \$68,750 from customers on account.
9. Recorded depreciation expense of \$1,100 for the month on the equipment.

**Required:**

Analyze each transaction and show the effect of each on the accounting equation for a corporation.

1. Issued 32,500 shares of common stock in exchange for \$325,000 in cash.

<b>Assets</b>		<b>=</b>	<b>Liabilities</b>	<b>+</b>	<b>Stockholders' Equity</b>	
1.	Cash	+325,000	=		+ Common Stock	+325,000

- Purchased equipment at a cost of \$36,000. \$12,100 cash was paid and a note payable was signed for the balance owed.

Assets		=	Liabilities	+	Stockholders' Equity
1.	Cash	+325,000	=		+ Common Stock +325,000
2.	Equipment	+36,000	=	Notes Payable	+23,900
	Cash	-12,100			

3. Purchased inventory on account at a cost of \$97,000. The company uses the perpetual inventory system.

Assets		=	Liabilities	+	Stockholders' Equity
1.	Cash	+325,000	=		+ Common Stock +325,000
2.	Equipment	+36,000	=	Notes Payable	+23,900
	Cash	-12,100			
3.	Merchandise Inventory	+97,000	=	Accounts Payable	+97,000

4. Credit sales for the month totaled \$150,000. The cost of the goods sold was \$75,445.

Assets		=	Liabilities	+	Stockholders' Equity	
1.	Cash	+325,000	=		+ Common Stock	+325,000
2.	Equipment	+36,000	=	Notes Payable	+23,900	
	Cash	-12,100				
3.	Merchandise Inventory	+97,000	=	Accounts Payable	+97,000	
4.	Accounts Receivable	+150,000	=		+ Sales	+150,000
	Merchandise Inventory	-75,445			Cost of Goods Sold	-75,445

5. Paid \$4,400 in rent on the warehouse building for the month of March.

Assets		=	Liabilities	+	Stockholders' Equity
1.	Cash	+325,000	=		+ Common Stock +325,000
2.	Equipment	+36,000	=	Notes Payable	+23,900
	Cash	-12,100			
3.	Merchandise Inventory	+97,000	=	Accounts Payable	+97,000
4.	Accounts Receivable	+150,000	=		+ Sales +150,000
	Merchandise Inventory	-75,445			Cost of Goods Sold -75,445
5.	Cash	-4,400	=		+ Rent Expense -4,400

6. Paid \$5,100 to an insurance company for fire and liability insurance for a one-year period beginning April 1, year 1.

Assets		=	Liabilities	+	Stockholders' Equity	
1.	Cash	+325,000	=		+ Common Stock	+325,000
2.	Equipment	+36,000	=	Notes Payable	+23,900	
	Cash	-12,100				
3.	Merchandise Inventory	+97,000	=	Accounts Payable	+97,000	
4.	Accounts Receivable	+150,000	=		+ Sales	+150,000
	Merchandise Inventory	-75,445			Cost of Goods Sold	-75,445
5.	Cash	-4,400	=		+ Rent Expense	-4,400
6.	Prepaid Insurance	+5,100				
	Cash	-5,100				



7. Paid \$75,000 on account for the merchandise purchased in 3.

Assets		=	Liabilities	+	Stockholders' Equity
1.	Cash	+325,000	=		+ Common Stock +325,000
2.	Equipment	+36,000	=	Notes Payable	+23,900
	Cash	-12,100			
3.	Merchandise Inventory	+97,000	=	Accounts Payable	+97,000
4.	Accounts Receivable	+150,000	=		+ Sales +150,000
	Merchandise Inventory	-75,445			Cost of Goods Sold -75,445
5.	Cash	-4,400	=		+ Rent Expense -4,400
6.	Prepaid Insurance	+5,100			
	Cash	-5,100			
7.	Cash	-75,000	=	Accounts Payable	-75,000

8. Collected \$68,750 from customers on account.

Assets		=	Liabilities	+	Stockholders' Equity
1.	Cash	+325,000	=		+ Common Stock +325,000
2.	Equipment	+36,000	=	Notes Payable	+23,900
	Cash	-12,100			
3.	Merchandise Inventory	+97,000	=	Accounts Payable	+97,000
4.	Accounts Receivable	+150,000	=		+ Sales +150,000
	Merchandise Inventory	-75,445			Cost of Goods Sold -75,445
5.	Cash	-4,400	=		+ Rent Expense -4,400
6.	Prepaid Insurance	+5,100			
	Cash	-5,100			
7.	Cash	-75,000	=	Accounts Payable	-75,000
8.	Cash	+68,750			
	Accounts Receivable	-68,750			

9. Recorded depreciation expense of \$1,000 for the month on the equipment.

Assets		=	Liabilities	+	Stockholders' Equity
1.	Cash	+325,000	=		+ Common Stock +325,000
2.	Equipment	+36,000	=	Notes Payable	+23,900
	Cash	-12,100			
3.	Merchandise Inventory	+97,000	=	Accounts Payable	+97,000
4.	Accounts Receivable	+150,000	=		+ Sales +150,000
	Merchandise Inventory	-75,445			Cost of Goods Sold -75,445
5.	Cash	-4,400	=		+ Rent Expense -4,400
6.	Prepaid Insurance	+5,100			
	Cash	-5,100			
7.	Cash	-75,000	=	Accounts Payable	-75,000
8.	Cash	+68,750			
	Accounts Receivable	-68,750			
9.	Accumulated Depr.-Equipment	-1,100	=		+ Depr. Expense - Equipment -1,100

## Exercise 2-2

---

The following transactions occurred during March year 1 for the Plare Corporation. The company owns and operates a wholesale warehouse.

1. Issued 32,500 shares of common stock in exchange for \$325,000 in cash.
2. Purchased equipment at a cost of \$36,000. \$12,100 cash was paid and a note payable was signed for the balance owed.
3. Purchased inventory on account at a cost of \$97,000. The company uses the perpetual inventory system.
4. Credit sales for the month totaled \$150,000. The cost of the goods sold was \$75,445.
5. Paid \$4,400 in rent on the warehouse building for the month of March.
6. Paid \$5,100 to an insurance company for fire and liability insurance for a one-year period beginning April 1, year 1.
7. Paid \$75,000 on account for the merchandise purchased in 3.
8. Collected \$68,750 from customers on account.
9. Recorded depreciation expense of \$1,100 for the month on the equipment.

**Required:**

Prepare journal entries to record each of the transactions above.

1. Issued 32,500 shares of common stock in exchange for \$325,000 in cash.

<b>PLARE CORPORATION</b>			
<b>General Journal</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	325,000	
	Common stock		325,000

2. Purchased equipment at a cost of \$36,000. \$12,100 cash was paid and a note payable was signed for the balance owed.

<b>PLARE CORPORATION</b>			
<b>General Journal</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	325,000	
	Common stock		325,000
2.	Equipment	36,000	
	Cash		12,100
	Notes payable		23,900

3. Purchased inventory on account at a cost of \$97,000. The company uses the perpetual inventory system.

<b>PLARE CORPORATION</b>			
<b>General Journal</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	325,000	
	Common stock		325,000
2.	Equipment	36,000	
	Cash		12,100
	Notes payable		23,900
3.	Merchandise inventory	97,000	
	Accounts payable		97,000



4. Credit sales for the month totaled \$150,000. The cost of the goods sold was \$75,445.

<b>PLARE CORPORATION</b>			
<b>General Journal</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	325,000	
	Common stock		325,000
2.	Equipment	36,000	
	Cash		12,100
	Notes payable		23,900
3.	Merchandise inventory	97,000	
	Accounts payable		97,000
4.	Accounts receivable	150,000	
	Sales		150,000
	Cost of goods sold	75,445	
	Merchandise inventory		75,445

5. Paid \$4,400 in rent on the warehouse building for the month of March.

<b>PLARE CORPORATION</b>			
<b>General Journal</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	325,000	
	Common stock		325,000
2.	Equipment	36,000	
	Cash		12,100
	Notes payable		23,900
3.	Merchandise inventory	97,000	
	Accounts payable		97,000
4.	Accounts receivable	150,000	
	Sales		150,000
	Cost of goods sold	75,445	
	Merchandise inventory		75,445
5.	Rent expense	4,400	
	Cash		4,400

**Slide 19**

---

**MM1**

'Rent expense' appears to be slightly lower than the 5. and the 4,400.

McCarthy, Mark, 12/12/2014

6. Paid \$5,100 to an insurance company for fire and liability insurance for a one-year period beginning April 1, Year 1.

<b>PLARE CORPORATION</b>			
<b>General Journal</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	325,000	
	Common stock		325,000
2.	Equipment	36,000	
	Cash		12,100
	Notes payable		23,900
3.	Merchandise inventory	97,000	
	Accounts payable		97,000
4.	Accounts receivable	150,000	
	Sales		150,000
	Cost of goods sold	75,445	
	Merchandise inventory		75,445
5.	Rent expense	4,400	
	Cash		4,400
6.	Prepaid insurance	5,100	
	Cash		5,100

7. Paid \$75,000 on account for the merchandise purchased in 3.

<b>PLARE CORPORATION</b>			
<b>General Journal</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	325,000	
	Common stock		325,000
2.	Equipment	36,000	
	Cash		12,100
	Notes payable		23,900
3.	Merchandise inventory	97,000	
	Accounts payable		97,000
4.	Accounts receivable	150,000	
	Sales		150,000
	Cost of goods sold	75,445	
	Merchandise inventory		75,445
5.	Rent expense	4,400	
	Cash		4,400
6.	Prepaid insurance	5,100	
	Cash		5,100
7.	Accounts payable	75,000	
	Cash		75,000

8. Collected \$68,750 from customers on account.

<b>PLARE CORPORATION</b>			
<b>General Journal</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	325,000	
	Common stock		325,000
2.	Equipment	36,000	
	Cash		12,100
	Notes payable		23,900
3.	Merchandise inventory	97,000	
	Accounts payable		97,000
4.	Accounts receivable	150,000	
	Sales		150,000
	Cost of goods sold	75,445	
	Merchandise inventory		75,445
5.	Rent expense	4,400	
	Cash		4,400
6.	Prepaid insurance	5,100	
	Cash		5,100
7.	Accounts payable	75,000	
	Cash		75,000
8.	Cash	68,750	
	Accounts receivable		68,750

9. Recorded depreciation expense of \$1,100 for the month on the equipment.

<b>PLARE CORPORATION</b>			
<b>General Journal</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	325,000	
	Common stock		325,000
2.	Equipment	36,000	
	Cash		12,100
	Notes payable		23,900
3.	Merchandise inventory	97,000	
	Accounts payable		97,000
4.	Accounts receivable	150,000	
	Sales		150,000
	Cost of goods sold	75,445	
	Merchandise inventory		75,445
5.	Rent expense	4,400	
	Cash		4,400
6.	Prepaid insurance	5,100	
	Cash		5,100
7.	Accounts payable	75,000	
	Cash		75,000
8.	Cash	68,750	
	Accounts receivable		68,750
9.	Depreciation expense	1,100	
	Accumulated depr.—equipment		1,100

# Exercise 2-3

---



Post the below journal entries prepared in to T-accounts. Assume that the opening balances in each of the accounts is zero. Prepare a trial balance from the ending account balances.

<b>KWITZ CORPORATION</b>			
<b>General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	325,000	
	Common stock		325,000
2.	Equipment	36,000	
	Cash		12,100
	Notes payable		23,900
3.	Inventory	97,000	
	Accounts payable		97,000
4.	Accounts receivable	150,000	
	Sales		150,000
	Cost of goods sold	75,445	
	Inventory		75,445
5.	Rent expense	4,400	
	Cash		4,400
6.	Prepaid insurance	5,100	
	Cash		5,100
7.	Accounts payable	75,000	
	Cash		75,000
8.	Cash	68,750	
	Accounts receivable		68,750
9.	Depreciation expense	1,100	
	Accumulated depreciation		1,100

**KWITZ CORPORATION  
General Journal**

Account Title and Explanation	Debit	Credit
1. Cash	325,000	
Common stock		325,000
2. Equipment	36,000	
Cash		12,100
Note payable		23,900
3. inventory	97,000	
Accounts payable		97,000
4. Accounts receivable	150,000	
Sales		150,000
Cost of goods sold	75,445	
inventory		75,445
5. Rent expense	4,400	
Cash		4,400
6. Prepaid insurance	5,100	
Cash		5,100
7. Accounts payable	75,000	
Cash		75,000
8. Cash	68,750	
Accounts receivable		68,750
9. Depreciation expense	1,100	
Accumulated depreciation		1,100

Cash	
1) 325,000	
	2) 12,100
	5) 4,400
	6) 5,100
	7) 75,000
8) 68,750	
Bal. 297,150	

Common Stock	
	1) 325,000
	Bal. 325,000

Equipment	
2) 36,000	
Bal. 36,000	

Depreciation Expense	
9) 1,100	
Bal. 1,100	

Note Payable	
	2) 23,900
	Bal. 23,900

Inventory	
3) 97,000	
	4) 75,445
Bal. 21,555	

Accounts Payable	
	3) 97,000
7) 75,000	
	Bal. 22,000

Prepaid Insurance	
6) 5,100	
Bal. 5,100	

Accumulated Depreciation	
	9) 1,100
	Bal. 1,100

Accounts Receivable	
4) 150,000	
	8) 68,750
Bal. 81,250	

Sales	
	4) 150,000
	Bal. 150,000

Cost of Goods Sold	
4) 75,445	
Bal. 75,445	

Rent Expense	
5) 4,400	
Bal. 4,400	

**KWITZ CORPORATION**

**Trial Balance**

**March 31, year 1**

	Debit	Credit
Cash	\$297,150	
Accounts receivable	81,250	
Inventory	21,555	
Prepaid insurance	5,100	
Equipment	36,000	
Accumulated depreciation		\$ 1,100
Accounts payable		22,000
Notes payable		23,900
Common stock		325,000
Sales		150,000
Cost of goods sold	75,445	
Rent expense	4,400	
Depreciation expense	1,100	
	<u>\$522,000</u>	<u>\$522,000</u>

Accounts Receivable	
4) 150,000	8) 68,750
Bal. 81,250	

Cost of Goods Sold	
4) 75,445	
Bal. 75,445	

Cash	
1) 325,000	2) 12,100
	5) 4,400
	6) 5,100
	7) 75,000
8) 68,750	
Bal. 297,150	

Common Stock	
	1) 325,000
	Bal. 325,000

Equipment	
2) 36,000	
Bal. 36,000	

Depreciation Expense	
9) 1,100	
Bal. 1,100	

Accumulated Depreciation	
	9) 1,100
	Bal. 1,100

Note Payable	
	2) 23,900
	Bal. 23,900

Inventory	
3) 97,000	4) 75,445
Bal. 21,555	

Accounts Payable	
	3) 97,000
7) 75,000	
	Bal. 22,000

Prepaid Insurance	
6) 5,100	
Bal. 5,100	

Rent Expense	
5) 4,400	
Bal. 4,400	

Sales	
	4) 150,000
	Bal. 150,000

# Exercise 2-4

---

The following transactions occurred during the month of January Year 1 for the FNA Corporation. The company owns and operates a retail shoe store.

1. Issued 1,000 shares of common stock in exchange for \$5,500 cash.
2. Purchased furniture and fixtures at a cost of \$6,000. \$4,000 was paid in cash and a note payable was signed for the balance owed.
3. Purchased inventory on account at a cost of \$2,500. The company uses the perpetual inventory system.
4. Credit sales for the month totaled \$3,000. The cost of the goods sold was \$2,200.
5. Paid \$1,000 in rent on the store building for the month of January.
6. Paid \$370 to an insurance company for fire and liability insurance for a one-year period beginning January 1, Year 1.
7. Paid \$2,500 on account for the merchandise purchased in 3.
8. Collected \$3,100 from customers on account.
9. Paid shareholders a cash dividend of \$600.
10. Recorded depreciation expense of \$120 for the month on the furniture and fixtures.
11. Recorded the amount of prepaid insurance that expired for the month.

**Required:**

1. Prepare journal entries to record each of the transactions and events listed above.

1. Issued 1,000 shares of common stock in exchange for \$5,500 cash.

<b>FNA CORPORATION GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	5,500	
	Common stock		5,500

2. Purchased furniture and fixtures at a cost of \$6,000. \$4,000 was paid in cash and a note payable was signed for the balance owed.

<b>FNA CORPORATION GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	5,500	
	Common stock		5,500
		6,000	
2.	Furniture		
	Cash		4,000
	Notes payable		2,000

3. Purchased inventory on account at a cost of \$2,500. The company uses the perpetual inventory system.

<b>FNA CORPORATION GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	5,500	
	Common stock		5,500
		6,000	
2.	Furniture		
	Cash		4,000
	Notes payable		2,000
3.	Inventory	2,500	
	Accounts payable		2,500



4. Credit sales for the month totaled \$3,000. The cost of the goods sold was \$2,200.

<b>FNA CORPORATION GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	5,500	
	Common stock		5,500
		6,000	
2.	Furniture		
	Cash		4,000
	Notes payable		2,000
3.	Inventory	2,500	
	Accounts payable		2,500
4.	Accounts receivable	3,000	
	Sales		3,000
	Cost of goods sold	2,200	
	Inventory		2,200

5. Paid \$1,000 in rent on the store building for the month of January.

<b>FNA CORPORATION GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Cash	5,500	
	Common stock		5,500
		6,000	
2.	Furniture		
	Cash		4,000
	Notes payable		2,000
3.	Inventory	2,500	
	Accounts payable		2,500
4.	Accounts receivable	3,000	
	Sales		3,000
	Cost of goods sold	2,200	
	Inventory		2,200
5.	Rent expense	1,000	
	Cash		1,000

6. Paid \$370 to an insurance company for fire and liability insurance for a one-year period beginning January 1, Year 1.

<b>FNA CORPORATION</b>			
<b>GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
6.	Prepaid insurance	370	
	Cash		370

7. Paid \$2,500 on account for the merchandise purchased in 3.

<b>FNA CORPORATION GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
6.	Prepaid insurance	370	
	Cash		370
7.	Accounts payable	2,500	
	Cash		2,500

8. Collected \$3,100 from customers on account.

<b>FNA CORPORATION GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
6.	Prepaid insurance	370	
	Cash		370
7.	Accounts payable	2,500	
	Cash		2,500
8.	Cash	3,100	
	Accounts receivable		3,100

9. Paid shareholders a cash dividend of \$600.

<b>FNA CORPORATION GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
6.	Prepaid insurance	370	
	Cash		370
7.	Accounts payable	2,500	
	Cash		2,500
8.	Cash	3,100	
	Accounts receivable		3,100
9.	Retained earnings	600	
	Cash		600

10. Recorded depreciation expense of \$120 for the month on the furniture and fixtures.

<b>FNA CORPORATION GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
6.	Prepaid insurance	370	
	Cash		370
7.	Accounts payable	2,500	
	Cash		2,500
8.	Cash	3,100	
	Accounts receivable		3,100
9.	Retained earnings	600	
	Cash		600
10.	Depreciation expense	120	
	Accumulated depreciation		120

11. Recorded the amount of prepaid insurance that expired for the month.

<b>FNA CORPORATION GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
6.	Prepaid insurance	370	
	Cash		370
7.	Accounts payable	2,500	
	Cash		2,500
8.	Cash	3,100	
	Accounts receivable		3,100
9.	Retained earnings	600	
	Cash		600
10.	Depreciation expense	120	
	Accumulated depreciation		120
11.	Insurance expense ( $\$370 \div 12$ months)	31	
	Prepaid insurance		31



# Exercise 2-8

---

Prepare the necessary adjusting entries at December 31, Year 1, for the Velto Company for each of the following situations. Assume that no financial statements were prepared during the year and no adjusting entries were recorded.

1. A two-year fire insurance policy was purchased on July 1, Year 1, for \$10,000. The company debited insurance expense for the entire amount.
2. Depreciation on equipment totaled \$12,000 for the year.
3. Employee salaries of \$20,000 for the month of December will be paid in early January Year 2.
4. On October 1, Year 1, the company borrowed \$220,000 from a bank. The note requires principal and interest at 12% to be paid on April 30, Year 2.
5. On December 1, Year 1, the company received \$2,400 in cash from another company that is renting office space in Velto's building. The payment, representing rent for December and January, was credited to deferred rent revenue.

1. A two-year fire insurance policy was purchased on July 1, Year 1, for \$10,000. The company debited insurance expense for the entire amount.

<b>VELTO COMPANY GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
July 1	<del>Prepaid expense (\$10,000 × (18/24))</del> Insurance expense	<del>10,000</del>	10,000

2. Depreciation on equipment totaled \$12,000 for the year.

<b>VELTO COMPANY GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Prepaid insurance (\$10,000 × (18/24))	7,500	
	Insurance expense		7,500
2.	Depreciation expense	12,000	
	Accumulated depreciation		12,000

3. Employee salaries of \$20,000 for the month of December will be paid in early January Year 2.

<b>VELTO COMPANY GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Prepaid insurance (\$10,000 × (18/24))	7,500	
	Insurance expense		7,500
2.	Depreciation expense	12,000	
	Accumulated depreciation		12,000
3.	Salaries expense	20,000	
	Salaries payable		20,000

4. On October 1, Year 1, the company borrowed \$220,000 from a bank. The note requires principal and interest at 12% to be paid on April 30, Year 2.

<b>VELTO COMPANY GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Prepaid insurance ( $\$10,000 \times (18/24)$ )	7,500	
	Insurance expense		7,500
2.	Depreciation expense	12,000	
	Accumulated depreciation		12,000
3.	Salaries expense	20,000	
	Salaries payable		20,000
4.	Interest expense ( $\$220,000 \times 12\% \times 3/12$ )	6,600	
	Interest payable		6,600

5. On December 1, Year 1, the company received \$2,400 in cash from another company that is renting office space in Velto's building. The payment, representing rent for December and January, was credited to deferred rent revenue.

<b>VELTO COMPANY GENERAL JOURNAL</b>			
<b>Date</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
1.	Prepaid insurance ( $\$10,000 \times (18/24)$ )	7,500	
	Insurance expense		7,500
2.	Depreciation expense	12,000	
	Accumulated depreciation		12,000
3.	Salaries expense	20,000	
	Salaries payable		20,000
4.	Interest expense ( $\$220,000 \times 12\% \times 3/12$ )	6,600	
	Interest payable		6,600
5.	Deferred rent revenue ( $\$2,400 \times 1/2$ )	1,200	
	Rent revenue		1,200

# Exercise 2-11

---



The Azmie Wholesale Food Company's fiscal year-end is June 30. The company issues quarterly financial statements requiring the company to prepare adjusting entries at the end of each quarter. Assuming all quarterly adjusting entries were properly recorded, prepare the necessary year-end adjusting entries at the end of June 30, year 2, for the following situations.

1. On December 1, year 1, the company paid its annual fire insurance premium of \$8,000 for the year beginning December 1.
2. On August 31, year 1, the company borrowed \$88,000 from a local bank. The note requires principal and interest at 9% to be paid on August 31, year 2.
3. Azmie owns a warehouse that it rents to another company. On January 1, year 2, Azmie collected \$25,000 representing rent for the year 2 calendar year.
4. Depreciation on the office building is \$16,000 for the fiscal year.
5. Employee salaries and wages for the month of June year 2 of \$20,000 will be paid on July 20, year 2.

1. On December 1, year 1, the company paid its annual fire insurance premium of \$8,000 for the year beginning December 1.

<b>AZMIE WHOLESALE FOOD COMPANY</b>			
<b>General Journal</b>			
<b>Date</b>		<b>Account Title and Explanation</b>	
<b>year 2</b>			
June 30	(1)	Insurance Expense	2,000
		Prepaid Insurance	2,000

$$\$2,000 = \$8,000 \times (3/12)$$

2. On August 31, year 1, the company borrowed \$88,000 from a local bank. The note requires principal and interest at 9% to be paid on August 31, year 2.

<b>AZMIE WHOLESALE FOOD COMPANY</b>			
<b>General Journal</b>			
<b>Date year 2</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
June 30	Interest expense	1,980	
	Interest payable		1,980

$$\begin{array}{r}
 \text{Principal} \times \text{Interest rate} \times \text{Time} \\
 \$88,000 \times 9\% \times \frac{3}{12} \\
 = \$1,980
 \end{array}$$

3. Azmie owns a warehouse that it rents to another company. On January 1, year 2, Azmie collected \$25,000 representing rent for the year 2 calendar year.

<b>AZMIE WHOLESALE FOOD COMPANY</b>			
<b>General Journal</b>			
<b>Date year 2</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
June 30	Deferred rent revenue	6,250	
	Rent revenue		6,250

$$\$6,250 = \$25,000 \times (3/12)$$

4. Depreciation on the office building is \$16,000 for the fiscal year.

<b>AZMIE WHOLESALE FOOD COMPANY</b>			
<b>General Journal</b>			
<b>Date</b> year 2	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
June 30	Depreciation expense	4,000	
	Accumulated depreciation—building		4,000

$$\$4,000 = \$16,000 \times (3/12)$$

5. Employee salaries and wages for the month of June year 2 of \$20,000 will be paid on July 20, year 2.

<b>AZMIE WHOLESALE FOOD COMPANY</b>			
<b>General Journal</b>			
<b>Date</b> <b>year 2</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
June 30	Salaries and wages expense	20,000	
	Salaries and wages payable		20,000

# Exercise 2-12

---

The December 31, year 1, adjusted trial balance for the Blueboy Cheese Corporation is presented below.

Account Title	Debit	Credit
Cash	22,000	
Accounts receivable	285,000	
Prepaid rent	12,500	
Inventory	65,000	
Office equipment	625,500	
Accumulated depreciation—office equipment		265,000
Accounts payable		58,000
Note payable (due in six months)		59,000
Salaries payable		10,000
Interest payable		1,000
Common stock		450,000
Retained earnings		125,000
Sales revenue		850,000
Cost of goods sold	500,000	
Salaries expense	150,000	
Rent expense	45,000	
Depreciation expense	88,000	
Interest expense	7,000	
Advertising expense	18,000	
Totals	1,818,000	1,818,000



**Required:**

1. Prepare an income statement for the year ended December 31, year 1, and a classified balance sheet as of December 31, year 1.
2. Prepare the necessary closing entries at December 31, year 1.

Sales revenue	\$850,000
Cost of goods sold	500,000
Salaries expense	150,000
Rent expense	45,000
Depreciation expense	88,000
Advertising expense	18,000
Interest expense	7,000

**BLUEBOY CHEESE CORPORATION**  
**Income Statement**  
**For the year Ended December 31, year 1**

Sales Revenue		\$850,000
Cost of goods sold		<u>500,000</u>
Gross Profit		350,000
Operating expenses:		
Salaries	\$150,000	
Rent	45,000	
Depreciation	88,000	
Advertising	<u>18,000</u>	
Total operating expenses		<u>301,000</u>
Operating income		49,000
Other expense:		
Interest		<u>7,000</u>
Net Income		<u><u>\$ 42,000</u></u>

**BLUEBOY CHEESE CORP.**  
**Balance Sheet**  
**December 31, year 1**

<b>Assets</b>			
Current assets:			
Cash	\$ 22,000	Cash	\$22,000
Accounts Receivable	285,000	Accounts receivable	285,000
Inventory	65,000	Inventory	65,000
Prepaid Rent	<u>12,500</u>	Prepaid rent	12,500
Total current assets	<u>\$384,500</u>	Office equipment	626,500
Equipment:		Accumulated depreciation	265,000
Office equipment	\$625,500	Accounts payable	58,000
Less: Accumulated depreciation	<u>265,000</u>	Salaries payable	10,000
Total assets	<u><u>\$745,000</u></u>	Interest payable	1,000
<b>Liabilities and shareholders' equity</b>		Note payable	59,000
Current liabilities:		Common stock	450,000
Accounts Payable	\$ 58,000	Retained earnings	167,000
Salaries Payable	10,000		
Interest Payable	1,000		
Note Payable	<u>59,000</u>		
Total current liabilities	128,000		
Shareholders' equity			
Common stock	\$450,000		
Retained Earnings	<u>167,000</u>		
Total shareholders' equity	<u>617,000</u>		
Total liabilities and shareholders' equity	<u><u>\$745,000</u></u>		

Sales revenue	\$850,000
Cost of goods sold	500,000
Salaries expense	150,000
Rent expense	45,000
Depreciation expense	88,000
Advertising expense	18,000
Interest expense	7,000

<b>BLUEBOY CHEESE CORP</b>			
<b>General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
Dec. 31	Sales revenue	850,000	
	Income summary		\$850,000
Dec. 31	Income summary	808,000	
	Cost of goods sold		500,000
	Salaries expense		150,000
	Rent expense		45,000
	Depreciation expense		88,000
	Interest expense		7,000
	Advertising expense		18,000
Dec. 31	Income summary	42,000	
	Retained earnings		42,000

**Slide 60**

---

**MM18**

Reverse order of Interest expense and its amount with Advertising expense, and its amount, so the order is consistent with what is provided at the top of the slide. Make sure the change is made in the narration as well.

McCarthy, Mark, 12/12/2014

# Exercise 2-13

---

American Chip Corporation's fiscal year-end is December 31. The following is a partial adjusted trial balance as of December 31, year 1.

<b>Account Title</b>	<b>Debits</b>	<b>Credits</b>
Retained earnings		78,000
Sales revenue		847,000
Interest revenue		4,000
Cost of goods sold	474,320	
Salaries expense	112,933	
Rent expense	22,000	
Depreciation expense	29,500	
Interest expense	5,400	
Insurance expense	6,000	

**Required:**

Prepare the necessary closing entries at December 31, year 1.

<b>Account Title</b>	<b>Debits</b>	<b>Credits</b>	<b>Account Title</b>	<b>Debits</b>	<b>Credits</b>
Retained earnings		78,000	Rent expense	22,000	
Sales revenue		847,000	Depreciation expense	29,500	
Interest revenue		4,000	Interest expense	5,400	
Cost of goods sold	474,320		Insurance expense	6,000	
Salaries expense	112,933				

<b>AMERICA CHIP CORPORATION</b>			
<b>General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
Dec. 31	Sales revenue	847,000	
	Interest revenue	4,000	
	Income summary		851,000
Dec. 31	Income summary	650,153	
	Cost of goods sold		474,320
	Salaries expense		112,933
	Rent expense		22,000
	Depreciation expense		29,500
	Interest expense		5,400
	Insurance expense		6,000
Dec. 31	Income summary	200,847	
	Retained earnings		200,847



# Exercise 2-15

---

The Redel Shoe Store Company prepares monthly financial statements for its bank. The November 30 and December 31, year 1, trial balances contained the following account information:

	<u>November 30</u>		<u>December 31</u>	
	<u>Debits</u>	<u>Credits</u>	<u>Debits</u>	<u>Credits</u>
Supplies	1,800		3,600	
Prepaid insurance	5,600		4,200	
Salaries and wages payable		14,500		21,750
Deferred rent revenue		2,500		1,250

The following information also is known:

- The December income statement reported \$2,400 in supplies expense.
- No insurance payments were made in December.
- \$14,500 was paid to employees during December for salaries and wages.
- On November 1, year 1, a tenant paid Redel \$3,750 in advance rent for the period November through January.
- Deferred rent revenue was credited.

**Required:**

1. What was the cost of supplies purchased during December?
2. What was the adjusting entry recorded at the end of December for prepaid insurance?
3. What was the adjusting entry recorded at the end of December for accrued salaries and wages?
4. What was the amount of rent revenue recognized in December? What adjusting entry was recorded at the end of December for deferred rent?

	<u>November 30</u>		<u>December 31</u>	
	Debits	Credits	Debits	Credits
Supplies	1,800		3,600	

- a. The December income statement reported \$2,400 in supplies expense.

<b>Supplies</b>			
Nov. 30	1,800		
Purchases	4,200		
		Expense	2,400
Dec. 31	3,600		

	<u>November 30</u>		<u>December 31</u>	
	<u>Debits</u>	<u>Credits</u>	<u>Debits</u>	<u>Credits</u>
Prepaid Insurance	5,600		4,200	

- b. No insurance payments were made in December.

<b>Prepaid Insurance</b>			
Nov. 30	5,600		
Payments	0	Expense	1,400
Dec. 31	4,200		

<b>REDEL SHOE STORE COMPANY General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
Dec 31	Insurance expense	1,400	
	Prepaid insurance		1,400

	<u>November 30</u>		<u>December 31</u>	
	<u>Debits</u>	<u>Credits</u>	<u>Debits</u>	<u>Credits</u>
Salaries and Wages Payable		14,500		21,750

- c. \$14,500 was paid to employees during December for salaries and wages.

<b>Salaries and Wages Payable</b>			
		Nov. 30	14,500
Payments	14,500	Accrual	21,750
		Dec. 31	21,750

<b>REDEL SHOE STORE COMPANY</b>			
<b>General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
Dec 31	Salaries and wages expense	21,750	
	Salaries and wages payable		21,750

	<u>November 30</u>		<u>December 31</u>	
	<u>Debits</u>	<u>Credits</u>	<u>Debits</u>	<u>Credits</u>
Deferred Rent		2,500		1,250

- d. On November 1, year 1, a tenant paid Redel \$3,750 in advance rent for the period November through January. Deferred rent revenue was credited.

<b>Differed Rent Revenue</b>			
		Nov. 30	2,500
Earned	1,250		
		Dec. 31	1,250
			<u>\$3,750</u>
			3

<b>REDEL SHOE STORE COMPANY</b>			
<b>General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
Dec 31	Deferred rent revenue	1,250	
	Rent revenue		1,250

# Exercise 2-16

---



The following transactions occurred during year 1 for the Canil Honey Corporation:

- Feb. 1 Borrowed \$21,500 from a bank and signed a note. Principal and interest at 8.5% will be paid on January 31, year 2.
- Apr. 1 Paid \$3,000 to an insurance company for a two-year fire insurance policy.
- July 17 Purchased supplies costing \$2,800 on account. The company records supplies purchased in an asset account. At the year-end on December 31, year 1, supplies costing \$1,250 remained on hand.
- Nov. 1 A customer borrowed \$5,700 and signed a note requiring the customer to pay principal and 7.5% interest on April 30, year 2.

**Required:**

1. Record each transaction in general journal form. Omit explanations.
2. Prepare any necessary adjusting entries at the year-end on December 31, year 1. No adjusting entries were recorded during the year for any item.

Feb. 1 Borrowed \$21,500 from a bank and signed a note. Principal and interest at 8.5% will be paid on January 31, year 2.

<b>CANIL HONEY CORPORATION</b>			
<b>General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
Feb. 1	Cash	21,500	
	Notes payable		21,500

Apr. 1      Paid \$3,000 to an insurance company for a two-year fire insurance policy.

<b>CANIL HONEY CORPORATION</b>			
<b>General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
Apr. 1	Prepaid insurance	3,000	
	Cash		3,000

July. 17 Purchased supplies costing \$2,800 on account. The company records supplies purchased in an asset account. At the year-end on December 31, year 1, supplies costing \$1,250 remained on hand.

<b>CANIL HONEY CORPORATION</b>			
<b>General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
July. 17	Supplies	2,800	
	Accounts payable		2,800

Nov. 1 A customer borrowed \$5,700 and signed a note requiring the customer to pay principal and 7.5% interest on April 30, year 2.

<b>CANIL HONEY CORPORATION</b>			
<b>General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
Nov. 1	Notes receivable	5,700	
	Cash		5,700

Feb. 1 Borrowed \$21,500 from a bank and signed a note. Principal and interest at 8.5% will be paid on January 31, year 2.

No adjusting entries were recorded during the year for any item.

<b>CANIL HONEY CORPORATION</b>			
<b>General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
Dec. 31	Interest expense	1,675	
	Interest payable		1,675

$$\$21,500 \times 8.5\% \times \frac{11}{12} = \$1,675$$

Apr. 1      Paid \$3,000 to an insurance company for a two-year fire insurance policy.

No adjusting entries were recorded during the year for any item.

<b>CANIL HONEY CORPORATION</b>			
<b>General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
Dec. 31	Interest expense	1,675	
	Interest payable		1,675
Dec. 31	Insurance expense	1,125	
	Prepaid insurance		1,125

$$\$3,000 \times \frac{9}{24} = \$1,125$$

July 17 Purchased supplies costing \$2,800 on account. The company records supplies purchased in an asset account. At the year-end on December 31, year 1, supplies costing \$1,250 remained on hand.  
No adjusting entries were recorded during the year for any item.

<b>CANIL HONEY CORPORATION</b>			
<b>General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
Dec. 31	Interest expense	1,675	
	Interest payable		1,675
Dec. 31	Insurance expense	1,125	
	Prepaid insurance		1,125
Dec. 31	Supplies expense	1,550	
	Supplies		1,550

$$\$2,800 - \$1,250 = \$1,550$$



Nov. 1 A customer borrowed \$5,700 and signed a note requiring the customer to pay principal and 7.5% interest on April 30, year 2.

No adjusting entries were recorded during the year for any item.

<b>CANIL HONEY CORPORATION</b>			
<b>General Journal</b>			
<b>Date year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
Dec. 31	Interest expense	1,675	
	Interest payable		1,675
Dec. 31	Insurance expense	1,125	
	Prepaid insurance		1,125
Dec. 31	Supplies expense	1,550	
	Supplies		1,550
Dec. 31	Interest receivable	71	
	Interest revenue		71

$$\$5,700 \times 7.5\% \times \frac{2}{12} = \$71$$

# Exercise 2-18

---

Adam and Smith Lawn Service Company (S&J) maintains its books on a cash basis. However, the company recently borrowed \$139,000 from a local bank and the bank requires S&J to provide annual financial statements prepared on an accrual basis. During year 1, the following cash flows were recorded:

Cash collected from customers		\$375,000
Cash paid for:		
Salaries	\$134,000	
Supplies	23,500	
Rent	18,000	
Insurance	6,200	
Miscellaneous	13,500	195,200
Net operating cash flow		<u>\$179,800</u>

You are able to determine the following information about accounts receivable, prepaid expenses, and accrued liabilities:

	Jan. 1, year 1	Dec. 31, year 1
Accounts receivable	\$24,000	\$19,000
Prepaid insurance	0	1,400
Supplies	1,400	1,900
Accrued liabilities (for miscellaneous expenses)	3,100	4,100

In addition, you learn that the bank loan was dated September 30, year 1, with principal and interest at 6% due in one year. Depreciation on the company's equipment is \$12,800 for the year.

**Required:**

Prepare an accrual basis income statement for year 1. (Ignore income taxes.)

Cash collected from customers		\$375,000		Jan. 1, year 1	Dec. 31, year 1
Cash paid for:					
Salaries	\$134,000		Accounts receivable	24,000	19,000
Supplies	23,500		Prepaid insurance	0	1,400
Rent	18,000		Supplies	1,400	1,900
Insurance	6,200		Accrued liabilities for misc. expenses	3,100	4,100
Miscellaneous	13,500	<u>195,200</u>			
Net operating cash flow		<u>\$179,800</u>			

**ADAM AND SMITH LAWN SERVICE COMPANY**  
**Income Statement**  
**For the Year Ended December 31, year 1**

Sales revenue	\$370,000
---------------	-----------

**ADAM AND SMITH LAWN SERVICE COMPANY**  
**General Journal**

Date year 1	Account Title and Explanation	Debit	Credit
Dec. 31	Cash	375,000	
	Accounts receivable		5,000
	Sales revenue		370,000

Cash collected from customers		\$375,000		Jan. 1, year 1	Dec. 31, year 1
Cash paid for:					
Salaries	\$134,000		Accounts receivable	24,000	19,000
Supplies	23,500		Prepaid insurance	0	1,400
Rent	18,000		Supplies	1,400	1,900
Insurance	6,200		Accrued liabilities for misc. expenses	3,100	4,100
Miscellaneous	<u>13,500</u>	<u>195,200</u>			
Net operating cash flow		<u><u>\$179,800</u></u>			

**ADAM AND SMITH LAWN SERVICE COMPANY**  
**Income Statement**  
**For the Year Ended December 31, year 1**

Sales revenue	\$370,000
Operating expenses:	
Salaries	\$134,000

Cash collected from customers		\$375,000	
Cash paid for:			
Salaries	\$134,000		
Supplies	23,500		
Rent	18,000		
Insurance	6,200		
Miscellaneous	13,500	<u>195,200</u>	
Net operating cash flow		<u><u>\$179,800</u></u>	

	Jan. 1, year 1	Dec. 31, year 1
Accounts receivable	24,000	19,000
Prepaid insurance	0	1,400
Supplies	1,400	1,900
Accrued liabilities for misc. expenses	3,100	4,100

**ADAM AND SMITH LAWN SERVICE COMPANY**  
**Income Statement**  
**For the Year Ended December 31, year 1**

Sales revenue	\$370,000
Operating expenses:	
Salaries	\$134,000
Supplies	23,000

**ADAM AND SMITH LAWN SERVICE COMPANY**  
**General Journal**

Date year 1	Account Title and Explanation	Debit	Credit
Dec. 31	Supplies expense	23,000	
	Supplies	500	
	Cash		23,500



Cash collected from customers		\$375,000	
Cash paid for:			
Salaries	\$134,000		
Supplies	23,500		
Rent	18,000		
Insurance	6,200		
Miscellaneous	<u>13,500</u>	<u>195,200</u>	
Net operating cash flow		<u><u>\$179,800</u></u>	

	Jan. 1, year 1	Dec. 31, year 1
Accounts receivable	24,000	19,000
Prepaid insurance	0	1,400
Supplies	1,400	1,900
Accrued liabilities for misc. expenses	3,100	4,100

**ADAM AND SMITH LAWN SERVICE COMPANY**  
**Income Statement**  
**For the Year Ended December 31, year 1**

Sales revenue	\$370,000
Operating expenses:	
Salaries	\$134,000
Supplies	23,000
Rent	18,000

Cash collected from customers		\$375,000	
Cash paid for:			
Salaries	\$134,000		
Supplies	23,500		
Rent	18,000		
Insurance	6,200		
Miscellaneous	13,500	<u>195,200</u>	
Net operating cash flow		<u><u>\$179,800</u></u>	

	Jan. 1, year 1	Dec. 31, year 1
Accounts receivable	24,000	19,000
Prepaid insurance	0	1,400
Supplies	1,400	1,900
Accrued liabilities for misc. expenses	3,100	4,100

**ADAM AND SMITH LAWN SERVICE COMPANY**  
**Income Statement**  
**For the Year Ended December 31, year 1**

Sales revenue		\$370,000
Operating expenses:		
Salaries	\$134,000	
Supplies	23,000	
Rent	18,000	
Insurance	4,800	

**ADAM AND SMITH LAWN SERVICE COMPANY**  
**General Journal**

Date year 1	Account Title and Explanation	Debit	Credit
Dec. 31	Insurance expense	4,800	
	Prepaid insurance	1,400	
	Cash		6,200



Cash collected from customers		\$375,000	
Cash paid for:			
Salaries	\$134,000		
Supplies	23,500		
Rent	18,000		
Insurance	6,200		
Miscellaneous	<u>13,500</u>	<u>195,200</u>	
Net operating cash flow		<u><u>\$179,800</u></u>	

	Jan. 1, year 1	Dec. 31, year 1
Accounts receivable	24,000	19,000
Prepaid insurance	0	1,400
Supplies	1,400	1,900
Accrued liabilities for misc. expenses	3,100	4,100

**ADAM AND SMITH LAWN SERVICE COMPANY**  
**Income Statement**  
**For the Year Ended December 31, year 1**

Sales revenue		\$370,000
Operating expenses:		
Salaries	\$134,000	
Supplies	23,000	
Rent	18,000	
Insurance	4,800	
Miscellaneous	14,500	

**ADAM AND SMITH LAWN SERVICE COMPANY**  
**General Journal**

Date year 1	Account Title and Explanation	Debit	Credit
Dec. 31	Miscellaneous expense	14,500	
	Accrued liabilities		1,000
	Cash		13,500

Cash collected from customers		\$375,000		Jan. 1, year 1	Dec. 31, year 1
Cash paid for:					
Salaries	\$134,000		Accounts receivable	24,000	19,000
Supplies	23,500		Prepaid insurance	0	1,400
Rent	18,000		Supplies	1,400	1,900
Insurance	6,200		Accrued liabilities for misc. expenses	3,100	4,100
Miscellaneous	<u>13,500</u>	<u>195,200</u>			
Net operating cash flow		<u><u>\$179,800</u></u>			

**ADAM AND SMITH LAWN SERVICE COMPANY**  
**Income Statement**  
**For the Year Ended December 31, year 1**

Sales revenue		\$370,000
Operating expenses:		
Salaries	\$134,000	
Supplies	23,000	
Rent	18,000	
Insurance	4,800	
Miscellaneous	14,500	
Depreciation	<u>12,800</u>	
Total operating expenses		<u>207,100</u>
Operating income		<u>162,900</u>
Other expense:		
Interest		<u>2,085</u>
Net Income		<u><u>\$160,815</u></u>

In addition, you learn that the bank loan of \$139,000 was dated September 30, year 1, with principal and interest at 6% due in one year.

Depreciation on the company's equipment for the year \$12,800

$$\$139,000 \times 6\% \times \frac{3}{12} = \$2,085$$

# Exercise 2-20

---

The December 31, Year 1, unadjusted trial balance for the Landern Drug Company is presented below. December 31 is the company's fiscal year-end.

Account Titles	Debits	Credits
Cash	18,000	
Accounts receivable	32,000	
Prepaid rent	4,500	
Inventory	45,000	
Equipment	80,000	
Accumulated depreciation—equipment		25,000
Accounts payable		20,500
Salaries and wages payable		0
Common stock		80,000
Retained earnings		27,500
Sales revenue		292,500
Cost of goods sold	150,000	
Salaries and wages expense	72,500	
Rent expense	25,500	
Depreciation expense	0	
Utility expense	14,500	
Advertising expense	3,500	
Totals	445,500	445,500

The following year-end adjusting entries are required:

- a. Depreciation expense for the year on the equipment is \$12,000.
- b. Accrued salaries and wages payable at year-end should be \$4,500.

**Required:**

1. Prepare and complete a worksheet.
2. Prepare an income statement for Year 1 and a balance sheet as of December 31, year 1.

Account Title	Unadjusted		Adjusting		Adjusted	
	Dr.	Cr.	Dr.	Cr.	Dr.	Cr.
Cash	18,000				18,000	
Accounts receivable	32,000				32,000	
Prepaid Rent	4,500				4,500	
Inventory	45,00				45,000	
Equipment	80,000				80,000	
Accumulated depr – Equip		25,000		12,000		37,000
Accounts payable		20,500				20,500
Salaries and wages payable		0		4,500		4,500
Common stock		80,000				80,000
Retained earnings		27,500				27,500
Sales revenue		292,500				292,500
Cost of goods sold	150,000				150,000	
Salaries and wages expense	72,500		4,500		77,000	
Rent expense	25,500				25,500	
Depreciation expense	0		12,000		12,000	
Utility expense	14,500				14,500	
Advertising expense	3,500				3,500	
Totals	<u>445,500</u>	<u>445,500</u>	<u>16,500</u>	<u>16,500</u>	<u>462,000</u>	<u>462,000</u>

Account Title	Adjusted		Trial Bal.		Income		Stat.		Balance		Sheet	
	Dr.		Cr.		Dr.		Cr.		Dr.		Cr.	
Cash	18,000								18,000			
Accounts receivable	32,000								32,000			
Prepaid rent	4,500								4,500			
Inventory	45,00								45,000			
Equipment	80,000								80,000			
Accumulated depr.— Equipment			37,000									37,000
Accounts payable			20,500									20,500
Salaries and wages payable			4,500									4,500
Common stock			80,000									80,000
Retained earnings			27,500									27,500
Sales revenue			292,500				292,500					
Cost of goods sold	150,000				150,000							
Salaries and wages expense	77,000				77,000							
Rent expense	25,500				25,500							
Depreciation expense	12,000				12,000							
Utility expense	14,500				14,500							
Advertising expense	3,500				3,500							
Net Income					10,000							10,000
Totals	<u>462,000</u>		<u>462,000</u>		<u>292,500</u>		<u>292,500</u>		<u>179,500</u>			<u>179,500</u>

Sales revenue		\$292,500
Cost of goods sold	\$150,000	
Salaries expense	77,000	
Rent expense	25,500	
Depreciation expense	12,000	
Advertising expense	3,500	
Utilities expense	14,500	

**LANDERN DRUG COMPANY**  
**Income Statement**  
**For the Year Ended December 31, year 1**

Sales revenue		\$292,500
Cost of goods sold		<u>150,000</u>
Gross profit		142,500
Operating expenses:		
Salaries and wages	\$ 77,000	
Rent	25,500	
Depreciation	12,000	
Utilities	14,500	
Advertising	<u>3,500</u>	
Total operating expenses		<u>132,500</u>
Net income		<u><u>\$ 10,000</u></u>



Cash	\$18,000	
Accounts Receivable	32,000	
Inventory	45,000	
Prepaid Rent	4,500	
Office equipment	80,000	
Accumulated depreciation		\$37,000
Accounts payable		20,500
Salaries payable		4,500
Common Stock		80,000
Retained earnings		27,500
Net Income		10,000

**LANDERN DRUG COMPANY**  
**Balance Sheet**  
**December 31, year 1**

**Assets**

Current assets:

Cash		\$ 18,000
Accounts receivable		32,000
Inventory		45,000
Prepaid rent		<u>4,500</u>
Total current assets		99,500

Property and equipment

Office equipment	\$80,000	
Less: Accumulated depreciation	<u>37,000</u>	<u>43,000</u>
Total assets		<u><u>\$142,500</u></u>

**Liabilities and shareholders' equity**

Current liabilities:

Accounts payable		20,500
Salaries and wages payable		<u>4,500</u>
Total current liabilities		25,000

Shareholders' equity

Common stock	80,000	
Retained earnings	<u>37,500</u>	
Total shareholders' equity		<u>117,500</u>
Total liabilities and shareholders' equity		<u><u>\$142,500</u></u>

# Exercise 2-21

---

The employees of Gallery, Inc., are paid each Friday. The company's fiscal year-end is June 30, which falls on a Wednesday for the current year. Salaries and wages are earned evenly throughout the five-day workweek, and \$13,500 will be paid on Friday, July 2.

**Required:**

1. Prepare an adjusting entry to record the accrued Salaries and wages as of June 30, a reversing entry on July 1, and an entry to record the payment of Salaries and wages on July 2.
2. Prepare journal entries to record the accrued Salaries and wages as of June 30 and the payment of Salaries and wages on July 2 assuming a reversing entry is not recorded.

The employees of Gallery, Inc., are paid each Friday. The company's fiscal year-end is June 30, which falls on a Wednesday for the current year. Salaries and Salaries and wages are earned evenly throughout the five-day workweek, and \$13,500 will be paid on Friday, July 2.

<b>GALLERY INC.</b>				
<b>General Journal</b>				
<b>Date year 1</b>		<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
June	(30)	Salaries and wages expense	8,100	
		Salaries and wages payable		8,100
July	(1)	Salaries and wages payable	8,100	
		Salaries and wages expense		8,100
	(2)	Salaries and wages expense	13,500	
		Cash		13,500

$$\frac{13,500}{5} = \$2,700$$

$$\$2,700 \times 3 = \$8,100$$

The employees of Gallery, Inc., are paid each Friday. The company's fiscal year-end is June 30, which falls on a Wednesday for the current year. Salaries and Salaries and wages are earned evenly throughout the five-day workweek, and \$13,500 will be paid on Friday, July 2.

<b>GALLERY INC.</b>				
<b>General Journal</b>				
<b>Date</b>	<b>Year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
June	(30)	Salaries and wages expense	8,100	
		Salaries and wages payable		8,100
July	(2)	Salaries and wages payable	8,100	
		Salaries and wages expense	5,400	
		Cash		13,500

$$\$2,700 \times 2 = \$5,400$$



<b>GALLERY INC.</b>				
<b>General Journal</b>				
<b>Date</b>	<b>Year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
June	(30)	Salaries and wages expense	8,100	
		Salaries and wages payable		8,100
July	(1)	Salaries and wages payable	8,100	
		Salaries and wages expense		8,100
	(2)	Salaries and wages expense	13,500	
		Cash		13,500

<b>GALLERY INC.</b>				
<b>General Journal</b>				
<b>Date</b>	<b>Year 1</b>	<b>Account Title and Explanation</b>	<b>Debit</b>	<b>Credit</b>
June	(30)	Salaries and wages expense	8,100	
		Salaries and wages payable		8,100
July	(2)	Salaries and wages payable	8,100	
		Salaries and wages expense	5,400	
		Cash		13,500