# Financial Statements and Accounting Concepts/Principles 

## CHAPTER OUTLINE:

## I. Financial Statements

A. From Transactions to Financial Statements
B. Financial Statements Illustrated

1. Explanations and Definitions
a. Balance Sheet
b. Income Statement
c. Statement of Changes in Stockholders' Equity
d. Statement of Cash Flows
2. Comparative Statements in Subsequent Years
3. Illustration of Financial Statement Relationships
II. Accounting Concepts and Principles
A. Schematic Model of Concepts and Principles
B. Concepts/Principles Related to the Entire Model
C. Concepts/Principles Related to Transactions
D. Concepts/Principles Related to Bookkeeping Procedures and the Accounting Process
E. Concepts/Principles Related to Financial Statements
F. Limitations of Financial Statements
III. The Corporation's Annual Report

## TEACHING/LEARNING OBJECTIVES:

## Principal:

1. To illustrate the four principal financial statements and their basic form.
2. To introduce students to the terminology of financial statements.
3. To present the accounting equation.
4. To explain several of the concepts of financial accounting and financial statement presentation.

## Supporting:

5. To explain that financial statements are the product of financial accounting and that the statements represent a historical summary of transactions.
6. To explain some of the limitations of financial statements.
7. To illustrate that the financial statements are included in the corporation's annual report.
8. To introduce and explain several business procedures and their terminology.

## TEACHING OBSERVATIONS:

1. This is the keystone chapter of the text, and the material presented here becomes a foundation for all subsequent financial accounting topics. The instructor must resist trying to teach the entire course from this one chapter! Instead, try to help students sort out the key ideas that must be learned now from those that they should be acquainted with, but that will really be learned when subsequent material is covered. Items to be learned now include:
a. What a transaction is.
b. The name of each financial statement and what it shows.
c. The accounting equation.
d. Financial statement relationships.
e. Limitations of financial statements.
2. A significant amount of time should be spent illustrating and explaining the purpose and content-by account category (asset, liability, stockholders' equity, revenue, expense) -of each financial statement, and how the financial statements tie together. Some instructors may wish to discuss gains and losses at this point, but the key is to keep it as simple as possible!
3. It is recommended that the following models be emphasized:
a. Balance Sheet:

b. Income Statement: Revenues

- Expenses
$=$ Net Income
c. Statement of Changes in Stockholders' Equity:

Beginning Balance of Stockholders' Equity

+ Stockholders' Investment
+ Net Income
- Dividends
$=$ Ending Balance of Stockholders' Equity
(As with the discussion of gains and losses, some instructors may wish to acknowledge "other" sources of changes in stockholders' equity such as treasury stock, accumulated other comprehensive income, prior period adjustments, etc. This is a function of instructor preference and the extent to which students have been previously exposed to real world financial statements. An early dose of "reality" can be refreshing for graduate students, but might be distracting to a younger, less experienced audience.)

4. It is helpful to spend time with the concepts and principles model, explaining what each concept/principle means and showing how it relates to the "Transactions to Financial Statements" process.
5. It is appropriate to emphasize the limitations of financial statements now, because they can create a mindset that helps students understand more specific accounting principles when they are covered later.
6. The Business In Practice boxes are designed to enhance student understanding by removing some jargon and explanation from the flow of the text material, while providing a context for that material. These provide good class discussion topics.
7. You may wish to encourage students to self-study this material by using the PowerPoint presentations available on the website.

## ASSIGNMENT OVERVIEW:

This chapter provides a wide variety of assignments to choose from-ranging from the basic association-type mini-exercises and exercises, to the more challenging, analytical-type problems. Be careful not to over-assign or under-assign homework from this chapter.

| NO. | LEARNING OBJECTIVES |  <br> TIME ESTIMATE | OTHER COMMENTS |
| :---: | :---: | :---: | :---: |
| M2.1. | 2, 3 | Easy, 3-5 min. | Similar to E2.9.-E2.14. |
| M2.2. | 2, 3 | Easy, 3-5 min. | See M2.1. Good in-class demo exercise. |
| M2.3. | 2, 3 | Med., 7-10 min. | Challenging mini-exercise. Requires clear-cut understanding of income statement relationships. Encourage use of Exhibit 2-2 as a solution model. |
| M2.4. | 2, 3 | Med., 7-10 min. | See M2.3. Good way to review and reinforce the structure of the income statement in class. |
| M2.5. | 2, 4 | Easy, 2-3 min. | Basic identification of asset accounts. |
| M2.6. | 2, 4 | Easy, 2-3 min. | Basic identification of income statement accounts. |
| E2.7. | 2, 4 | Easy, 3-5 min. | Simple account identification exercise. |
| E2.8. | 2, 4 | Easy, 3-5 min. | See E2.7. |
| E2.9. | 2, 3 | Med., 5-8 min. | Reinforces the balance sheet equation, and stresses the distinction between PIC and RE. |
| E2.10. | 2, 3 | Med., 5-8 min. | See E2.9. Good homework assignment. |
| E2.11. | 2, 3 | Easy, 3-5 min. | "RE is affected only by net income (loss) and dividends." This is a bit of a fiction, but it works effectively in the Chapter 2. Other effects on retained earnings (i.e., stock dividends, certain treasury stock transactions, and prior period adjustments) are not discussed until Chapter 8. |
| E2.12. | 2, 3 | Easy, 3-5 min. | See E2.11. Good homework assignment. |
| E2.13. | 2, 3 | Med., 5-10 min. | The worksheet format is used to help students understand financial statement relationships. Explain that "net assets" = A-L $=\mathrm{SE}$. |
| E2.14. | 2, 3 | Med., 5-10 min. | See E2.13. Good in-class demonstration exercise. |
| P2.15. | 2, 3, 6 | Med., 7-10 min. | Most instructors omit this problem. Can be used to illustrate the sale of assets at gains/losses, and to emphasize the difference between cash and stockholders' equity. |
| P2.16. | 2, 3, 6 | Med., 10-12 min. | See P2.15. |
| P2.17. | 2, 3, 4 | Med., 15-20 min. | Straight-forward problem emphasizing financial statement relationships. Students respond well. |
| P2.18. | 2, 3, 4 | Med., 15-20 min. | See P2.17. |
| P2.19. | 2, 3, 4 | Med., 20-25 min. | Similar to P2.15., P2.16., but requires the preparation of financial statements. Good for in-class demonstration. |
| P2.20. | 2, 3, 4 | Med., 20-25 min. | Excel problem. See P2.19. Good homework assignment. |
| P2.21. | 2, 3 | Med., 5-8 min. | Can use later as a Chapter 4 assignment. |
| P2.22. | 2, 3, 6 | Med.-Hard, 15-20. | Group learning problem. Good in-class demonstration problem. |
| P2.23. | 2, 3, 5 | Med., 7-10 min. | Stress the importance of the historical cost principle. |
| P2.24. | 2, 3, 5, 6 | Med., 10-12 min. | Group learning problem. See P2.23. |
| P2.25. | 2, 4 | Med., 10-12 min. | Group learning problem. Emphasizes the structure of the income statement. |
| P2.26. | 2, 4 | Med., 10-12 min. | Explain why "Other Income, net" is excluded from operating income. |
| C2.27. | 2, 4, 6, 7 | Med., 15-20 min. | Excellent conceptual case, but be sure to relate student responses back to the terminology introduced in the chapter. |

## SOLUTIONS:

M2.1.


## Solution approach:

Beginning stockholders' equity $=\$ 96,000-\$ 54,000=\$ 42,000$. Net income increases retained earnings and dividends decrease retained earnings. Retained earnings are part of stockholders' equity, so assuming no other changes occurred during the year, ending stockholders' equity $=\$ 42,000+\$ 16,000-\$ 4,000=\$ \mathbf{5 4 , 0 0 0}$.

## M2.2.

## SE

Beginning: \$246,000
Changes: $\quad+30,000$ common stock issued at par value (increase to paid-in capital) $+36,000$ net income (increase to retained earnings)
$-9,000$ dividends (decrease to retained earnings)
Ending: ?

## Solution approach:

No information is given about assets or liabilities, so the focus is entirely on stockholders' equity. Beginning stockholders' equity $+/$ - changes during the year $=$ ending stockholders' equity. $\$ 246,000+\$ 30,000+\$ 36,000-\$ 9,000=\$ \mathbf{3 0 3}, 000$.

## M2.3.

| Net sales. | \$250,000 |
| :---: | :---: |
| Cost of goods sold | $?$ ? $=150,000$ |
| Gross profit | \$100,000 |
| Selling, general, and administrative expenses | 44,000 |
| Income from operations.. | ? $=56,000$ |
| Interest expense | $=6,000$ |
| Income before taxes. | \$ ? $=50,000$ |
| Income tax expense | 10,000 |
| Net income. | \$ 40,000 |

## Solution approach:

Set up an income statement using the structure and format as shown in Exhibit 2-2, then solve for missing amounts.

One possible calculation sequence: (1) $\$ 250,000-\$ 100,000=\mathbf{\$ 1 5 0 , 0 0 0}$ cost of goods sold. (2) $\$ 100,000-\$ 44,000=\$ 56,000$ income from operations. (3) $\$ 40,000+\$ 10,000$ $=\$ \mathbf{5 0 , 0 0 0}$ income before taxes. (4) $\$ 56,000-\$ 50,000=\mathbf{6 6 , 0 0 0}$ interest expense

M2.4.

| Net sales | \$ ? | $=\mathbf{3 0 0 , 0 0 0}(4)$ |
| :---: | :---: | :---: |
| Cost of goods sold | 120,000 |  |
| Gross profit | \$ ? | $=180,000$ (3) |
| Selling, general, and administrative expenses......... .......... | 66,000 |  |
| Income from operations | 114,000 |  |
| Interest expense | 18,000 |  |
| Income before taxes. | \$ ? | $=96,000(1)$ |
| Income tax expense | 24,000 |  |
| Net income. | \$ ? | $=72,000(2)$ |

## Solution approach:

Set up an income statement using the structure and format as shown in Exhibit 2-2, then solve for missing amounts.

Calculation sequence: (1) $\$ 114,000-\$ 18,000=\$ 96,000$ income before taxes.
(2) $\$ 96,000-\$ 24,000=\$ \mathbf{7 2 , 0 0 0}$ net income. (3) $\$ 114,000+\$ 66,000=\mathbf{1 8 0 , 0 0 0}$ gross profit. (4) $\$ 180,000+\$ 120,000=\$ \mathbf{3 0 0 , 0 0 0}$ net sales.

An alternative calculation sequence would have been to solve for gross profit and net sales first, and to then solve for income before taxes and net income.

## M2.5.

Common stock and retained earnings are stockholders' equity accounts; cost of goods sold and interest expense are expenses; sales is a revenue account; long-term debt and accounts payable are liabilities.

The assets listed are: land, merchandise inventory, equipment, accounts receivable, supplies, cash, and buildings.

## M2.6.

Sales and service revenues are revenues accounts on the income statement; income tax expense, cost of goods sold, and rent expense are expenses on the income statement.

Land, equipment, accounts receivable, supplies, buildings, and cash are assets on the balance sheet; accumulated depreciation is a contra-asset on the balance sheet; notes payable is a liability on the balance sheet; and common stock is a stockholders' equity account on the balance sheet.

|  |  | Financial |
| :--- | :---: | :---: |
| Category | Statement(s) |  |

## E2.8.

$\left.\begin{array}{lcc} & & \begin{array}{c}\text { Financial }\end{array} \\ \text { Category } \\ \text { Statement(s) }\end{array}\right)$

* Although net income appears as a caption on the income statement, it represents an increase to retained earnings, which is a stockholders' equity account.
** Trick question! "Dividends paid" appears only on the Statement of Changes in Stockholders' Equity. Dividends paid are distributions of earnings that reduce retained earnings on the balance sheet. Dividends paid are not expenses, and thus do not appear on the income statement.

E2.9.
Use the accounting equation to solve for the missing information:

## Firm A:

A $=\mathrm{L}+\mathrm{PIC}+($ Beg. RE + NI - DIV = End. RE $)$
$\$ 210,000=\$ 108,000+\$ 37,000+(\$ 39,000+$ ? $-\$ 25,000=? ~)$

In this case, the ending balance of retained earnings must be determined first:
$\$ 210,000=\$ 108,000+\$ 37,000+$ End. RE
Retained earnings, $12 / 31 / 19=\$ \mathbf{6 5 , 0 0 0}$
Once the ending balance of retained earnings is known, net income can be determined:
$\$ 39,000+\mathrm{NI}-\$ 25,000=\$ 65,000$
Net income for $2019=\mathbf{5 1 , 0 0 0}$

## Firm B:

$\mathrm{A}=\mathrm{L}+\mathrm{PIC}+($ Beg. RE $+\mathrm{NI}-\mathrm{DIV}=$ End. RE $)$
$\$ 270,000=\$ 72,000+?+(\quad ? \quad+41,000-\$ 9,000=\$ 155,000)$
$\$ 270,000=\$ 72,000+$ PIC $+\$ 155,000$
Paid-in capital, $12 / 31 / 19=\$ 43,000$

Beg. RE + \$41,000-\$9,000 = \$155,000
Retained earnings, $1 / 1 / 19=\$ 123,000$

## Firm C:

$\mathrm{A}=\mathrm{L}+\mathrm{PIC}+($ Beg. RE $+\mathrm{NI}-\mathrm{DIV}=$ End. RE $)$
$\$ 162,000=?+\$ 20,000+(\$ 21,000+\$ 56,000-\$ 32,000=?)$

In this case, the ending balance of retained earnings must be determined first:
$\$ 21,000+\$ 56,000-\$ 32,000=$ End. RE
Retained earnings, $12 / 31 / 19=\mathbf{\$ 4 5 , 0 0 0}$

Once the ending balance of retained earnings is known, liabilities can be determined:
$\$ 162,000=\mathrm{L}+\$ 20,000+\$ 45,000$
Total liabilities, $12 / 31 / 19=\$ 97,000$

E2.10.
Use the accounting equation to solve for the missing information:

## Firm A:

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    \(\mathrm{A}=\mathrm{L}+\mathrm{PIC}+(\) Beg. RE \(+\mathrm{NI}-\mathrm{DIV}=\) End. RE \()\)
\(\$\) ? \(=\$ 160,000+\$ 110,000+(\$ 100,000+136,000-\$ 24,000=? ~)\)
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In this case, the ending balance of retained earnings must be determined first:
$\$ 100,000+\$ 136,000-\$ 24,000=$ End. RE
Retained earnings, $12 / 31 / 19=\$ \mathbf{2 1 2 , 0 0 0}$
Once the ending balance of retained earnings is known, total assets can be determined:
$\mathrm{A}=\$ 160,000+\$ 110,000+\$ 212,000$
Total assets, $12 / 31 / 19=\$ 482,000$
Firm B:

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    \(\mathrm{A}=\mathrm{L}+\mathrm{PIC}+(\) Beg. RE \(+\mathrm{NI} \quad-\mathrm{DIV}=\) End. RE \()\)
\(\$ 870,000=?+\$ 118,000+(\$ 248,000+\$ 220,000-\quad\) ? \(=\$ 372,000)\)
\(\$ 870,000=\mathrm{L}+\$ 118,000+\$ 372,000\)
Total liabilities, \(12 / 31 / 19=\mathbf{3 8 0 , 0 0 0}\)
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$\$ 248,000+\$ 220,000-$ DIV $=\$ 372,000$
Dividends declared and paid during $2019=\mathbf{\$ 9 6}, 000$

## Firm C:

$\mathrm{A}=\mathrm{L}+\mathrm{PIC}+($ Beg. RE $+\mathrm{NI}-\quad \mathrm{DIV}=$ End. RE $)$
$\$ 310,000=\$ 150,000+\$ 90,000+(\quad+\quad \$ 50,000-\$ 32,000=\quad ? \quad)$

In this case, the ending balance of retained earnings must be determined first:
$\$ 310,000=\$ 150,000+\$ 90,000+$ End. RE
Retained earnings, $12 / 31 / 19=\$ 70,000$
Once the ending balance of retained earnings is known, the beginning balance of retained earnings can be determined:
Beg. RE $+\$ 50,000-\$ 32,000=\$ 70,000$
Retained earnings, $1 / 1 / 19=\$ \mathbf{5 2 , 0 0 0}$

E2.11.
Prepare the retained earnings portion of a statement of changes in stockholders' equity for the year ended December 31, 2019:

Retained Earnings, December 31, 2018.

\$ 623,600

Less: Net loss for the year ended December 31, 2019.
Less: Dividends declared and paid in 2019
Retained Earnings, December 31, 2019.
E2.12.

| Retained Earnings, December 31, 2018. | ? |
| :---: | :---: |
| Add: Net income for the year ended December 31, 2019. | 67,800 |
| Less: Dividends declared and paid in 2019 | $(13,500)$ |
| Retained Earnings, December 31, 2019 | \$630,900 |

Solving the model, retained earnings at December 31, 2018 was $\mathbf{\$ 5 7 6 , 6 0 0}$.
E2.13.

|  | SE |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | A | $=\quad \mathbf{L}$ | + PIC | + RE |
| Beginning: | \$37,200 | $=\$ 21,000$ | + \$ 0 | + \$16,200 |
| Changes: | ? | $=-3,600$ | $+0$ | $\begin{gathered} +\quad 9,000 \text { (net income) } \\ \quad ? \quad \text { (dividends) } \end{gathered}$ |
| Ending: | ? | ? | $+\quad 0$ | $+\underline{\text { \$18,000 }}$ |

## Solution approach:

$($ Remember that net assets $=$ Assets - Liabilities $=$ Stockholders' equity $=P I C+R E)$. Since paid-in capital did not change during the year, assume that the beginning and ending balances are $\$ 0$. Thus, beginning retained earnings $=\$ 37,200-\$ 21,000=$ $\mathbf{\$ 1 6 , 2 0 0}$, and ending retained earnings $=$ net assets at the end of the year $=\$ 18,000$. By looking at the RE column, it can be seen that dividends must have been $\mathbf{\$ 7 , 2 0 0}$. Also by looking at the liabilities column, it can be seen that ending liabilities are $\mathbf{\$ 1 7 , 4 0 0}$, and therefore ending assets must be $\mathbf{\$ 3 5 , 4 0 0}$. Thus, total assets decreased by $\mathbf{\$ 1 , 8 0 0}$ during the year ( $\$ 37,200-\$ 35,400$ ), which is equal to the net decrease on the righthand side of the balance sheet ( $-\$ 3,600$ liabilities $+\$ 9,000$ net income $-\$ 7,200$ dividends $=\$ 1,800$ net decrease in assets).

## E2.14.

|  |  |  |  | SE |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | A | $=\quad \mathbf{L}$ | + | PIC | + | RE |  |
| Beginning: | ? | $=\$ 160,000$ | + | \$15,000 | + | ? |  |
| Changes: | +33,000 | -9,000 | + | ? | + | ? | (net income or loss) |

Ending: $\quad \overline{\underline{?}}=\overline{\underline{?}}+\overline{\underline{\$ 96,000}}+\underline{\underline{\frac{-12,000}{?}}}\left(\begin{array}{l}\text { (dividends) } \\ (\$ 215,000 \text { total SE) }\end{array}\right.$

## Solution approach:

Ending retained earnings $=\$ 215,000$ total stockholders' equity - $\$ 96,000$ paid-in capital $=\mathbf{\$ 1 1 9 , 0 0 0}$. Ending liabilities $=\$ 160,000$ beginning liabilities $-\$ 9,000$ decrease $=\mathbf{\$ 1 5 1 , 0 0 0}$. Thus, ending assets $=\$ 151,000$ liabilities $+\$ 215,000$ stockholders' equity $=\mathbf{\$ 3 6 6 , 0 0 0}$. Beginning assets $=\$ 366,000$ ending assets $\$ 33,000$ increase $=\mathbf{\$ 3 3 3 , 0 0 0}$. Beginning retained earnings $=\$ 333,000$ assets $\$ 160,000$ liabilities $-\$ 15,000$ paid-in capital $=\mathbf{\$ 1 5 8 , 0 0 0}$. Once the beginning and ending retained earnings balances are known, the net income or loss for the year can be determined as follows:

Retained earnings, beginning \$158,000
Less: Net income or loss for the year?

Less: Dividends declared and paid during the year ... .......... ........... $(12,000)$
Retained earnings, ending $\$ 119,000$

Solving the model, the net loss of the year $=\$(27,000)$.

P2.15. Set up the accounting equation and show the effects of the transactions described. Since total assets must equal total liabilities and stockholders' equity, the unadjusted stockholders' equity can be calculated by subtracting liabilities from the total of the assets given.

| - |  |  | A | $=$ | L | + | SE |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Cash | Accounts <br> + Receivable | + Inventory + |  <br> Equipment = | Liabilities | ${ }_{s}^{S}$ | Stockholders' Equity |
| Data given | \$ 45,600 | + 228,400 | + 122,800 + | $530,000=$ | 611,200 | + | 315,600 |
| Collection of accounts receivable | +216,980 | -228,400 |  |  |  |  | -11,420 |
| Inventory liquidation | +98,240 |  | -122,800 |  |  |  | -24,560 |
| Sale of plant \& equipment | +380,000 |  |  | -530,000 |  |  | -150,000 |
| Payment of liabilities | -611,200 |  |  |  | -611,200 |  | 0 |
| Balance | \$ 129,620 | 0 | 0 | 0 | 0 |  | \$ 129,620 |

*The effects of these transactions on stockholders' equity represent losses from the sale (or collection) of the non-cash assets.

P2.16.
a. The solution approach is similar to that shown in Problem 2-15. Gains or losses
can be calculated for the sale (or collection) of each of Kimber Co.'s non-cash assets, as follows:

## Cash received upon sale or collection of asset

## Gain (loss) recorded and effect on Stockholders' Equity

| Accounts receivable $\ldots$. | $\$ 90,000 * 80 \%=$ | $\$ \mathbf{7 2 , 0 0 0}$ | $\$ 90,000 * 20 \%=$ | $\$(\mathbf{1 8 , 0 0 0})$ |
| :--- | :--- | ---: | :--- | ---: |
| Merchandise inventory.. | $\$ 150,000 * 70 \%=$ | $\mathbf{1 0 5 , 0 0 0}$ | $\$ 150,000 * 30 \%=$ | $\mathbf{( 4 5 , 0 0 0 )}$ |
| Buildings \& Equipment. | $\mathrm{BV}^{\wedge}+\$ 60,000=$ | $\mathbf{3 4 0 , 0 0 0}$ | Amount above BV $=$ | $\mathbf{6 0 , 0 0 0}$ |
| Land. $\ldots . \ldots . . . . .$. | Appraised amount $=$ | $\underline{\mathbf{8 5 , 0 0 0}}$ | $\$ 85,000-\$ 50,000=$ | $\underline{\mathbf{3 5 , 0 0 0}}$ |
| Total cash received |  | $\underline{\mathbf{\$ 6 0 2 , 0 0 0}}$ | Net gain | $\underline{\mathbf{\$ 3 2 , 0 0 0}}$ |

$\wedge \$ 400,000-\$ 120,000$ accumulated depreciation $=\$ 280,000$ book value of buildings \& equipment.

The $\$ 602,000$ cash received from the liquidation of non-cash assets would be added to the beginning cash balance of $\$ 30,000$, and $\$ 632,000$ is the amount of cash available to pay the claims of creditors and stockholders. Liabilities would be paid first (including the amounts that are not shown on the balance sheet), and the balance would be paid to the stockholders:
Total cash available \$632,000
Accounts payable ..... \$ 80,000
Notes payable ..... 110,000
Wages payable (not shown on balance sheet) ..... 5,000
Interest payable (not shown on balance sheet) ..... 10,000
Long-term debt ..... 130,000 ..... $(335,000)$
Total cash available to stockholders ..... \$297,000
The total cash available to stockholders upon liquidation can be verified, asfollows:
Total stockholders' equity (unadjusted, from balance sheet) ..... \$280,000
Add: Gain on sale of buildings \& equipment ..... 60,000
Add: Gain on sale of land ..... 35,000
Less: Loss on collection of accounts receivable ..... $(18,000)$
Less: Loss on liquidation of merchandise inventory. ..... $(45,000)$
Less: Unrecorded wages expense. ..... $(5,000)$
Less: Unrecorded interest expense ..... $(10,000)$
Total stockholders' equity, as adjusted ..... $\mathbf{\$ 2 9 7 , 0 0 0}$A summary reconciliation is as follows:
Total stockholders' equity (unadjusted, from balance sheet) ..... \$280,000
Add: Net gain from liquidation of all assets (see calculations above). ..... 32,000
Less: Unrecorded liabilities for wages and interest ..... $(15,000)$
Total stockholders' equity, as adjusted ..... $\mathbf{\$ 2 9 7 , 0 0 0}$
P2.16. (continued)
b. As shown in the schedule in part a), total stockholders' equity on the balance sheet had not been adjusted for the gains and losses from the sale (or collection) of the non-cash assets; nor was it adjusted for the effects of the expense/liability accruals for wages and interest.

## P2.17.

a. Cash
\$ 27,000

Accounts receivable 99,000
Supplies ..... 18,000
Merchandise inventory ..... 93,000
Total current assets ..... \$237,000
b. Accounts payable ..... \$ 69,000
Long-term debt ..... 120,000
Common stock ..... 30,000
Retained earnings ..... 177,000
Total liabilities and stockholders' equity ..... $\mathbf{\$ 3 9 6 , 0 0 0}$
c. Net Sales ..... \$420,000
Cost of goods sold ..... $(270,000)$
Gross profit ..... \$150,000
Service revenue ..... 60,000
Depreciation expense ..... $(36,000)$
Supplies expense ..... $(42,000)$
Earnings from operations (operating income) ..... \$132,000
d. Earnings from operations (operating income) ..... \$132,000
Interest expense ..... $(12,000)$
Earnings before taxes ..... \$120,000
Income tax expense ..... $(36,000)$
Net income ..... \$84,000
e. $\$ 36,000$ income tax expense $/ \$ 120,000$ earnings before taxes $=\mathbf{3 0 \%}$ average tax rate
f. Retained earnings, January 1, 2019?
Net income for the year ..... \$ 84,000
Dividends declared and paid during the year. ..... $(48,000)$
Retained earnings, December 31, 2019 ..... \$177,000

Solving the model, the beginning retained earnings balance must have been $\mathbf{\$ 1 4 1 , 0 0 0}$, because the account balance increased by $\$ 36,000$ during the year to an ending balance of $\$ 177,000$.

## P2.18.

a. Cash ... .......... ........... ..................... ........... .......... ........... .......... \$ 20,000
Accounts receivable ..... 28,000
Merchandise inventory ..... 106,000
Total current assets ..... $\$ 154,000$
Less: Accounts payable * ..... $(13,000)$
Current assets less current liabilities ..... $\$ 141,000$

* No other current liabilities are included in the problem.
b. Total current assets ..... \$ 154,000
Land ..... 19,000
Equipment ..... 10,000
Accumulated depreciation ..... $(3,000)$
Total assets ..... $\$ 180,000$
c. Net Sales ..... \$ 310,000
Cost of goods sold ..... $(220,000)$
Gross profit ..... \$ 90,000
Rent expense ..... $(9,000)$
Depreciation expense ..... $(1,500)$
Earnings from operations (operating income) ..... $\$ \quad 79,500$
d. Earnings from operations (operating income) ..... \$ 79,500
Interest expense ..... $(4,500)$
Earning before taxes ..... \$ 75,000
Income tax expense ..... $(30,000)$
Net income
$\$ \quad \mathbf{4 5 , 0 0 0}$
e. $\$ 30,000$ income tax expense $/ \$ 75,000$ earnings before taxes $=\mathbf{4 0 \%}$ average tax rate
f. Retained earnings, January 1, 2019 ..... ?
Net income for the year ..... \$ 45,000
Dividends declared and paid during the year. ..... $(32,000)$
Retained earnings, December 31, 2019 ..... $\$ 122,000$
Solving the model, the beginning retained earnings balance must have been $\mathbf{\$ 1 0 9 , 0 0 0}$, because the account balance increased by $\$ 13,000$ during the year to an ending balance of $\$ 122,000$.


## BREANNA, INC. Income Statement For the Year Ended December 31, 2019

Net Sales ..... \$800,000
Cost of goods sold ..... $(512,000)$
Gross profit ..... \$288,000
Selling, general, and administrative expenses ..... $(136,000)$
Earnings from operations (operating income) ..... \$152,000
Interest expense ..... $(24,000)$
Earnings before taxes ..... \$128,000
Income tax expense ..... $(32,000)$
Net income ..... \$ 96,000
BREANNA, INC. Statement of Changes in Stockholders' Equity For the Year Ended December 31, 2019
Paid-in capital:Common stock\$360,000
Retained earnings:
Beginning balance ..... \$ 92,000
Net income for the year ..... 96,000
Less: Dividends declared and paid during the year ..... $(48,000)$
Ending balance ..... 140,000
Total stockholders’ equity ..... \$500,000
BREANNA, INC.
Balance Sheet
December 31, 2019
Assets:
Cash ..... \$260,000
Accounts receivable ..... 40,000
Merchandise inventory ..... 148,000
Total current assets ..... \$448,000
Equipment ..... 480,000
Less: Accumulated depreciation ..... $(208,000)$ ..... 272,000
Total assets
Total assets ..... \$720,000
Liabilities:
Accounts payable ..... \$ 60,000
Long-term debt ..... 160,000
Total liabilities ..... \$220,000
Stockholders' Equity:
Common stock ..... \$360,000
Retained earnings
\$500,000
Total stockholders’ equity\$720,000

## P2.19. (continued)

b. $\$ 32,000$ income tax expense $/ \$ 128,000$ earnings before taxes $=\mathbf{2 5 \%}$ average tax rate.
c. $\$ 24,000$ interest expense $/ \$ 160,000$ long-term debt $=\mathbf{1 5 \%}$ interest rate. This assumes that the year-end balance of long-term debt is representative of the average long-term debt account balance throughout the year.
d. $\$ 360,000$ common stock $/ 36,000$ shares $=\$ 10$ per share par value .
e. $\$ 48,000$ dividends declared and paid $/ \$ 96,000$ net income $=\mathbf{5 0 \%}$. This assumes that the board of directors has a policy to pay dividends in proportion to earnings.

P2.20.
a.

## SHAE, INC. Income Statement For the Year Ended December 31, 2019

| Net Sales. | \$300,000 |
| :---: | :---: |
| Cost of goods sold | $(180,000)$ |
| Gross profit. | \$120,000 |
| Selling, general, and administrative expenses | $(24,000)$ |
| Earnings from operations (operating income) | \$ 96,000 |
| Interest expense | $(16,000)$ |
| Earnings before taxes | \$ 80,000 |
| Income tax expense. | $(28,000)$ |
| Net income | \$ 52,000 |

## SHAE, INC. Statement of Changes in Stockholders' Equity <br> For the Year Ended December 31, 2019

Paid-in capital:
Common stock ......... ........... ...................... ........... ..........
\$ 70,000
Retained earnings:
Beginning balance. \$ 43,000
Net income for the year 52,000
Less: Dividends declared and paid during the year ... .......... (13,000)
Ending balance
Total stockholders' equity
a.

SHAE, INC.<br>Balance Sheet<br>December 31, 2019

| Assets: |  |  |
| :---: | :---: | :---: |
| Cash | \$ 64,000 |  |
| Accounts receivable | 40,000 |  |
| Merchandise inventory. | 88,000 |  |
| Total current assets |  | \$192,000 |
| Buildings and equipment | 168,000 |  |
| Less: Accumulated depreciation. | $(72,000)$ | 96,000 |
| Total assets |  | \$288,000 |
| Liabilities: |  |  |
| Accounts payable...... .......... .................... .......... .......... | \$ 30,000 |  |
| Accrued liabilities | 6,000 |  |
| Notes payable (long term) | 100,000 |  |
| Total liabilities. |  | \$136,000 |
| Stockholders' Equity: |  |  |
| Common stock | \$ 70,000 |  |
| Retained earnings | 82,000 |  |
| Total stockholders' equity. |  | \$152,000 |
| Total liabilities and stockholders' equity ...... .......... ......... |  | \$288,000 |

b. $\$ 28,000$ income tax expense $/ \$ 80,000$ earnings before taxes $=\mathbf{3 5 \%}$ average tax rate.
c. $\$ 16,000$ interest expense $/ \$ 100,000$ notes payable (long-term) $=\mathbf{1 6 \%}$ interest rate. This assumes that the year-end balance of long-term debt is representative of the average long-term debt account balance throughout the year. If large amounts of cash had been borrowed near the end of the year, then the interest rate charged on long-term debt would be greater than $16 \%$ because the average debt outstanding would have been less than $\$ 100,000$. Likewise, if large repayments of long-term debt had occurred near year-end, then the interest rate was less than $16 \%$ because the average outstanding long-term debt would have been greater than $\$ 100,000$.
d. $\$ 70,000$ common stock $/ 14,000$ shares $=\$ \mathbf{5}$ per share par value.
e. $\$ 13,000$ dividends declared and paid $/ \$ 52,000$ net income $=\mathbf{2 5 \%}$. This assumes that the board of directors has a policy to pay dividends in proportion to earnings.
a. Borrowed cash on a bank loan
b. Paid an account payable
c. Sold common stock
d. Purchased merchandise inventory on account
e. Declared and paid dividends
f. Collected an account receivable
g. Sold inventory on account at a profit
h. Paid operating expenses in cash
i. Repaid principal and interest on a bank loan

| Assets $=$ Liabilities + |  |
| :---: | :---: |
| + | + |
| - | - |
| + | NE |
| + | + |
| - | NE |
| NE | NE |
| + | NE |
| - | NE |
| - | - |

Equity
NE
NE
$+$
NE
NE
$+$
-

## P2.22.

a.

August 1, 2019 totals..
August 3 , borrowed $\$ 50,000$ in cash from the bank New totals.

| Assets = | Stockhold |  |
| :---: | :---: | :---: |
|  | Liabilitie | ty |
| \$700,000 | \$500,000 | \$200,000 |
| +50,000 | +50,000 | 0 |
| \$750,000 | \$550,000 | \$220,000 |
| +75,000 | +75,000 |  |
| \$825,000 | \$625,000 | \$200,000 |
| -25,000 | 0 | -25,000 |
| \$800,000 | \$625,000 | \$175,000 |
| +120,000 |  | ,00 |
| -72,000 | 0 | -72,000 |
| \$848,000 | \$625,000 | \$223,000 |
| $-60,000$ | -60,000 | 0 |
| \$788,000 | \$565,000 | \$223,000 |
| 0 | 0 | 0 |
| \$788,000 | \$565,000 | \$223,000 |
| -31,000 | -30,000 | -1,000 |
| \$757,000 | \$535,000 | \$222,000 |
| -15,000 | 0 | -15,000 |
| \$742,00 |  |  |

b. Total revenues were $\$ 120,000$ (from sales) and total expenses were $\$ 98,000$ (which included $\$ 72,000$ of cost of goods sold, $\$ 25,000$ of operating expenses, and $\$ 1,000$ of interest expense). Thus, net income was $\$ 22,000(\$ 120,000-\$ 98,000)$.

Alternative calculation: Stockholder's equity increased by $\$ 7,000$ during the month of August (see answer to part c), even though a $\$ 15,000$ cash dividend was declared and paid to Rudy Gandolfi. Since there were no capital stock transactions during the month, net income was $\$ 22,000$. ( $\$ 200,000$ beginning stockholder's equity, plus $\$ 22,000$ net income, minus $\$ 15,000$ dividends, equals $\$ 207,000$ ending stockholder's equity.)

|  |  | August 1 | August 31 | Net Change |
| :--- | :--- | ---: | ---: | :---: |
| c. | Total assets.............. .......... ......... | $\$ 700,000$ | $\$ 742,000$ | $\$ 42,000$ |
|  | Total liabilities ......... ......... ........ | 500,000 | 535,000 | 35,000 |
|  | Total stockholder's equity ..... ......... | 200,000 | 207,000 | 7,000 |

## P2.22. (continued)

d. Rudy Gandolfi's stockholder's equity increased by $\$ 48,000$ as a result of the sale on August 14th ( $\$ 120,000$ revenue - $\$ 72,000$ cost of goods sold). His stockholder's equity decreased by $\$ 25,000$ for the operating expenses recorded on August 10th, by $\$ 1,000$ for the interest expense recorded on August 24th, and by $\$ 15,000$ for the cash dividend recorded on August 29th. In other words, his stockholder's equity was increased by revenues, and it was decreased by expenses and dividends.
e. Interest is an expense because it represents a necessary payment to others (i.e., creditors) for the use of their money-thus, it is a "cost" of doing business. Dividends are instead a distribution of profits to the owners/stockholders of the firm and thus represent a partial liquidation of the firm. A dividend is not an expense because it represents a profit distribution; it is not a "cost" of doing business.
f. When money is borrowed from the bank, an asset (cash) is increased and a liability (notes payable) is also increased by an equal amount. Net income is increased only when revenue has been earned-and money borrowed from the bank represents a liability that must be repaid, not revenue that has been earned.
g. Paying off accounts payable decreases an asset (cash) and decreases a liability (accounts payable) by an equal amount. Collecting an account receivable increases an asset (cash) and decreases another asset (accounts receivable) by equal amounts. In both cases, only balance sheet accounts are involved. Net income is increased by revenues and decreased by expenses. The expense associated with a cash payment of an account payable would have been recorded in an earlier transaction (when the expense was incurred and the account payable was established); by the same logic, the revenue associated with the collection of an account receivable would have been recorded in an earlier transaction (when the revenue was earned and the account receivable was established).

P2.23.
Amounts shown in the balance sheet below reflect the following use of the data given:
a. An asset should have a "probable future economic benefit"; therefore the accounts receivable are stated at the amount expected to be collected from customers.
b. Assets are reported at original cost, not current "worth." Depreciation in accounting reflects the spreading of the cost of an asset over its estimated useful life.
c. Assets are reported at original cost, not at an assessed or appraised value.
d. The amount of the note payable is calculated using the accounting equation, $\mathrm{A}=\mathrm{L}+\mathrm{SE}$. Total assets can be determined based on items (a), (b), and (c); total stockholders' equity is known after considering item (e); and the note payable is the difference between total liabilities and the accounts payable.
e. The retained earnings account balance represents the difference between cumulative net income and cumulative dividends.
P2.23. (continued)

| Assets: |  |  |
| :---: | :---: | :---: |
| Cash ...... ............. ............. ............ |  | \$ 3,500 |
| Accounts receivable............. ............. |  | 17,000 |
| Land. |  | 55,000 |
| Automobile .......... ............. ............ | \$90,000 |  |
| Less: Accumulated depreciation ........... | $(30,000)$ | 60,000 |
| Total assets.......................... |  | \$135,500 |


| Liabilities and Stockholders' Equity: |  |
| :--- | ---: |
| Note payable............................. | $\$ 12,000$ |
| Accounts payable ....................... | $\underline{16,000}$ |
| Total liabilities ....................... | $\underline{\$ 28,000}$ |
| Common stock. ........................ | 40,000 |
| Retained earnings ...................... | $\underline{67,500}$ |
| Total stockholders' equity.......... | $\underline{107,500}$ |
| Total liab.and stockholders' equity.. | $\underline{\$ 135,500}$ |

P2.24.

| EPSICO, INC. <br> Balance Sheets <br> December 31, 2019 and 2018 <br> (Amounts in thousands) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Assets | 2019 | 2018 | Liabilities | 2019 | 2018 |
| Current assets: |  |  | Current liabilities: |  |  |
| Cash.. | \$ 456 | \$ 360 | Note payable.................................. | \$ 588 | \$ 480 |
| Accounts receivable | 1,512 | 1,440 | Accounts payable | 1,476 | 1,320 |
| Inventory. | 2,892 | 2,760 | Total current liabilities................. | \$2,064 | \$1,800 |
| Total current assets. | \$4,860 | \$4,560 | Long-term debt | \$ 720 | \$ 960 |
| Land. | \$ 300 | \$ 300 | Stockholders' Equity |  |  |
| Equipment | 4,680 | 4,500 | Common stock. | \$2,400 | \$2,400 |
| Less: Accum. depreciation... | $(2,160)$ | $(1,920)$ | Retained earnings............ | 2,496 | 2,280 |
| Total land \& equipment...... | \$2,820 | \$2,880 | Total stockholders' equity. ... ....... | \$4,896 | \$4,680 |
| Total assets........................ | \$7,680 | \$7,440 | Total liabilities \& stockholders' equity. | \$7,680 | \$7,440 |

## Solution approach:

| 1. Retained earnings, $12 / 31 / 18$ | \$2,280 |
| :---: | :---: |
| Net income for 2019 (given) | 312 |
| Dividends for 2019 (given). | (96) |
| Retained earnings, 12/31/19 | \$2,496 |

2. Cash at $12 / 31 / 19$ is $\$ 96$ more than at $12 / 31 / 18$.
3. Cost of equipment at $12 / 31 / 19$ is $\$ 180$ more than the balance at $12 / 31 / 18$.
4. Land balance at $12 / 31 / 19$ is the same as at $12 / 31 / 18$. Fair market value is irrelevant.
5. Calculate total current assets, total land and equipment, and total assets.
6. Total assets can then be used for total liabilities and stockholders' equity.
7. Total stockholders' equity is calculated and added to total current liabilities. This amount is subtracted from total liabilities and stockholders' equity to determine long-term debt.

| For the years ended November 26 and 27, respectively: |  |  |
| :---: | :---: | :---: |
| Net revenues. | \$4,904,030 | \$4,552,739 |
| Cost of goods sold. | 2,341,301 | 2,223,727 |
| Gross profit. | 2,562,729 | 2,329,012 |
| Selling, general and administrative expenses. | 2,095,560 | 1,866,805* |
| Operating income | 467,169 | 462,207 |
| Interest expense, and other expenses and losses, net. | 118,388** | 54,947* |
| Income before income | 348,781 | 407,260 |
| Income tax expens | 64,225 | 116,051 |
| Net income | \$ 284,556 | \$ 291,209 |

* Includes $\$ 312$ of net restructuring charges, so 2016 selling, general and administrative expenses exclusive of these charges $=\$ 1,866,493(\$ 1,866,805-$ $\$ 312$ ). This is the amount most directly comparable to the S,G\&A expenses calculated for 2017 of $\$ 2,095,560$.
** Includes the following items:

*** Includes temporary equity of $\$ 127,035$ in 2017 and $\$ 79,346$ in 2016.

| Net sales | \$229,234 | \$215,639 |
| :---: | :---: | :---: |
| Cost of sales | $(141,048)$ | $(131,376)$ |
| Gross profit | \$88,186 | \$ 84,263 |
| Gross profit/net sales | 38.5\% | 39.1\% |

Apple was able to achieve amazingly high sales growth rates for more than a decade since the introduction of the iPod in 2001, and in subsequent years with the introduction of the iPhone in 2007 and iPad in 2010. The company has now grown to a size and scale of operations where it has become difficult to maintain high sales growth rates on a percentage basis, although in absolute terms the nearly $\$ 13.6$ billion increase in net sales from 2016 to 2017 is still a remarkable achievement.

The $0.6 \%$ decrease in the gross profit/net sales ratio during the year ended September 30, 2017 was not terribly significant. For your reference, here is Apple's 5-year trend for these data:

|  | 2017 | 2016 | 2015 | 2014 | 2013 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Net sales | \$229,234 | \$215,639 | \$233,715 | \$182,795 | \$170,910 |
| Cost of sales | $(141,048)$ | $(131,376)$ | $(140,089)$ | $(112,258)$ | $(106,606)$ |
| Gross profit | \$88,186 | \$84,263 | \$ 93,626 | \$ 70,537 | \$64,304 |
| Gross profit/net sales | 38.5\% | 39.1\% | 40.1\% | 38.6\% | 37.6\% |

b.

20172016
Gross profit (from part $a$ above) ....... ........... .......... \$88,186 \$84,263
Research and development expenses ........... .......... 11,581 10,045
Selling, general, and administrative expenses ......... $15,261 \quad 14,194$
Operating income $\qquad$ $\underline{\underline{\$ 61,344}}$
Operating income/net sales $\qquad$ 26.8\% 27.8\%

Operating income as a percentage of net sales decreased slightly (by only 1.0\%) during the fiscal year ended on September 30, 2017, which reflects well on Apple's consistency of operations and predictability of earnings.
c.

| $\mathbf{2 0 1 7}$ | $\mathbf{2 0 1 6}$ |
| :---: | :---: |
| $\$ 61,344$ | $\$ 60,024$ |
| $\underline{\mathbf{2 , 7 4 5}}$ | $\underline{1,348}$ |
| $\mathbf{\$ 6 4 , 0 8 9}$ | $\mathbf{\$ 6 1 , 3 7 2}$ |
| $\underline{(15,738)}$ | $\underline{(15,685)}$ |
| $\mathbf{\$ 4 8 , 3 5 1}$ |  |

Solution approach: The "Income before taxes" line has been added to emphasize the importance of understanding the difference between operating items and nonoperating items on the income statement. The problem could be solved without calculating this number.

In parts $a, b$ and $d$, if students are willing to share the different kinds of assets, liabilities, revenues, expenses, and cash flows they have identified, this case can be used to review the basic characteristics of the balance sheet, income statement, and statement of cash flows.

In part $c$, the point is that projected income activity for the current period has a direct impact on the projected balance sheet.

In part $e$, the point is that income and cash flow are two different things entirely. Possible explanations might include:

- Receipt of student loan proceeds (or scholarships, grants) towards the end of the semester.
- Certain costs of attending college (i.e., tuition, room and board, meal plans) might be incurred by the student, but not yet paid.
- A student may be employed on a part-time (or full-time) basis throughout the semester, which may generate more cash flow than she was able to accumulate during the summer preceding the fall semester.
$\qquad$

Presented below is the Statement of Cash Flows for Marstore, Inc., for the year ended December 31, 2019. Also shown is a partially completed comparative balance sheet as of December 31, 2019 and 2018.

## MARSTORE, INC. <br> Statement of Cash Flows <br> For the Year Ended December 31, 2019

Cash flows from operating activities:
Net Income ..... \$ 23,000
Add (deduct) items not affecting cash:
Depreciation expense ..... 6,000
Decrease in accounts receivable ..... 8,000
Decrease in accounts payable ..... $(6,000)$
Net cash provided by operating activities ..... \$31,000
Cash flows from investing activities:
Purchase of store fixtures ..... $\$(4,000)$
Cash flows from financing activities:
Repayment of long-term debt ..... \$ $(2,000)$
Payment of cash dividends on common stock ..... $(5,000)$
Net cash used by financing activities ..... $\$(7,000)$
Increase in cash for the year ..... \$20,000
MARSTORE, INC.
Balance Sheets
December 31, 2019 and 2018

|  | 2019 | 2018 | 2019 | 2018 |
| :---: | :---: | :---: | :---: | :---: |
| Current assets: |  |  |  |  |
| Cash. | \$ 37,000 | \$ | Accounts payable....... \$ | \$18,000 |
| Accounts receivable. |  | 39,000 | Long-term debt........ 18 18,000 |  |
| Total current assets..... | \$ | \$ | Total liabilities....... \$ | \$ |
| Store fixtures. | \$ | \$ 24,000 | Common stock......... \$ | \$ 20,000 |
| Less: Accumulated depreciation. | $(13,000)$ |  | Retained earnings........ Total s'holders' equity \$ |  |
| Net store fixtures. | \$ | \$ | Total liabilities and |  |
| Total assets. | \$ | \$ | s'holders' equity...... \$ | \$ |

## TAKE-HOME QUIZ -CHAPTER 2 (continued)

1. Complete the balance sheets for Marstore, Inc., at December 31, 2019 and 2018. Identify your strategy by listing, in general, the sequence of steps you used to find the unknown amounts.
2. Does the amount shown on the balance sheet for Net Store Fixtures represent the current fair market value of the store fixtures? Explain your answer.
3. Prepare a Statement of Changes in Retained Earnings for the year ended December 31, 2019.

## TAKE-HOME QUIZ KEY-CHAPTER 2

1.     - Use information in the statement of cash flows to determine either the beginning or ending amounts for assets and liabilities. For example, accounts receivable decreased $\$ 8,000$, so at the end of 2019 the balance was $\$ 31,000$.

- Based on total assets and total liabilities at the beginning and end of the year, determine total stockholders' equity at each date.
- Using total stockholders' equity at the end of 2018, solve for retained earnings at that date.
- The cash flows from financing activities on the statement of cash flows does not show any cash from the sale of additional stock, so the ending balance is the same as the beginning balance. Knowing this, retained earnings at the end of the year can be determined.
- Or, use information about net income and dividends from the statement of cash flows, and the beginning balance of retained earnings (as determined above) to calculate ending retained earnings. Then, capital stock at the end of the year can be determined.


## MARSTORE, INC. <br> Balance Sheets <br> December 31, 2019 and 2018

|  | 2019 | 2018 |  | 2019 | 2018 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Current assets: |  |  |  |  |  |
| Cash. | \$37,000 | \$17,000 | Accounts payable........ | \$12,000 | \$18,000 |
| Accounts receivable | 31,000 | 39,000 | Long-term debt. | 18,000 | 20,000 |
| Total current assets | \$68,000 | \$56,000 | Total liabilities. | \$30,000 | \$38,000 |
| Store fixtures. | \$28,000 | \$24,000 | Common stock | \$20,000 | \$20,000 |
| Less: Accumulated |  |  | Retained earnings....... | 33,000 | 15,000 |
| depreciation..... | $(13,000)$ | $(7,000)$ | Total s'holders' equity.. | \$53,000 | \$35,000 |
| Net store fixtures | \$15,000 | \$17,000 | Total liabilities and |  |  |
| Total assets. | \$83,000 | \$73,000 | s'holders' equity...... | \$83,000 | \$73,000 |

2. No. The balance sheet shows the original cost of assets, less accumulated depreciation, which for accounting purposes is that portion of the cost of the asset that has been "used up."
3. Retained earnings, $12 / 31 / 18$

Add: Net income for the year
Less: Dividends declared and paid
Retained earnings, 12/31/19

