

Q1

1. ABC Company's total stockholders' equity at the beginning of the year was \$200,000. During the year ABC reported the following: Net loss of \$30,000. Stock issued in exchange for land totaling \$80,000. Collections of accounts receivable \$40,000. Dividends declared and paid totaling \$2,000. What is ABC's total stockholders' equity at the end of the year?

X7

N11

Account	Amount	Margin
Revenue	1,000	100%
Cost of sales (cost of goods sold) (COGS)	(400)	40%
Operating profit	600	60%
Operating expenses	(100)	10%
Operating income	500	50%
Other income	100	10%
Income before taxes	600	60%
Income tax expense	(100)	10%
Net income	500	50%

X7A

7. \$6,000 Annual depreciation expense = (\$40,000 - \$1,000) / 6 years = \$6,500 (The \$1,000 paid for transportation is part of the asset's purchase cost.)  
 h. \$29,000 Book value at the end of year 7 = \$41,000 - 2 x \$6,000 = \$29,000

Q3

3. D-Car Corp. is a car dealership. It has provided the following information:  
 Cash sales totaled \$125,000.  
 Credit sales totaled \$279,000.  
 Cash collections from customers for services yet to be provided totaled \$38,000.  
 An \$11,000 gain from the sale of display equipment occurred.  
 Interest income totaled \$7,700.  
 How much of these items should be included in operating income? (I.e., How much revenue should be reported for the period?)

X9

Q1A

1. \$248,000      \$200,000 - \$30,000 + \$80,000 - \$2,000 = \$248,000

X11A

Account	Amount
Common stock, par \$10, authorized 100,000 shares	\$1,000,000
Additional paid-in capital	500,000
Retained earnings (see note 7)	150,000
Treasury stock, 1,000 shares, at cost (Share #)	(50,000)
Total stockholders' equity	\$1,600,000

Q7

7. On January 1, 20X1, WS Inc. purchased a machine costing \$40,000. The company also paid \$1,000 for transportation and installation. The expected useful life of the machine is 6 years and the residual value is \$5,000. How much is the annual depreciation expense assuming use of the straight-line depreciation method?

X1

Q3A

3. \$415,000      Operating revenues = \$415,000 = \$125,000 + \$279,000 + \$11,000.

X9A

9. Interest expense = \$2,000 × Annual Interest Rate × Number of months  
 Interest expense = \$2,000 × 6% × 12 = \$1,440  
 Journal entry:  
 Interest expense      \$1,440  
 Cr. Accrued interest payable      \$1,440

Q9

9. A company borrowed \$25,000 cash on October 1, 20X4, and signed a nine-month, interest-bearing note payable with interest payable at maturity. Interest rate will be calculated at an annual percentage rate of 6%, applied on monthly at the rate of 0.5% per month. Show the amount of accrued interest payable to be reported on the December 31, 20X4 balance sheet.

Q7A

7. \$6,000      Depreciation expense = (\$40,000 + \$1,000 - \$5,000) / 6 = \$6,000  
 (The \$1,000 paid for transportation is part of the asset's purchase cost.)

X1A

1. \$279,000  
 Total SE = \$279,000 = \$125,000 + \$279,000 - \$17,000 + \$42,000

Q11

11. On January 1, 20X1, the stockholders' equity section of GG Corporation's balance sheet reported the following:

Common stock, par \$10, authorized 100,000 shares, issued 10,000 shares	\$100,000
Additional paid-in capital	50,000
Retained earnings	160,000

During 20X1, the following selected transactions occurred (assume they occur in order given):

April 1	Issued a 10% stock dividend when the market price was \$12
May 1	200 shares of treasury stock were purchased at \$11 per share
Sept. 1	Declared and paid a cash dividend of \$19,800.
Dec. 31	Net income was \$30,000.

Prepare the stockholders' equity section of the balance sheet as of December 31, 20X1.

### Stock Dividend Accounting – Small Stock Dividend

Small stock dividend is one where additional shares distributed are less than 20 to 25% of pre-distribution outstanding shares. We then record the new shares at their fair value (market price) and reduce retained earnings by that amount.

Example: Colonial Bancorp, which has 2,000,000 shares of \$1 par outstanding, declares a 10% stock dividend. Market price on distribution date = \$30/share. Note: This is a "small stock dividend" (New shares < 20-25% of outstanding).  
 What happens to par value? No change in par value. (It is a stock dividend.)  
 No. of new shares issued = 200,000 shares = 2,000,000 x 10%

Accounting:  
 Dr. Retained earnings (SE)      \$600,000      = 200,000 x \$30 market price  
 Cr. Common stock at par (+SE)      200,000      = 200,000 x \$1 par value  
 Cr. Additional paid-in capital (+SE)      \$400,000      = 200,000 x (\$30 - \$1)

X4

4. On December 31, 20X1, DE Delivery Company completed its first year of operations. The following information has been provided for the year:  
 a. Total packing supplies for \$10,000 were purchased.  
 b. All packing supplies were used for cash.  
 c. Freight revenue of \$20,000 was received for services.  
 d. Freight revenue of \$10,000 was received in 2010 and the remaining for 2011.  
 e. Total \$10,000 cash for repair delivery equipment during the year.  
 f. Freight packing supplies at a cost of \$40,000 and paid for \$25,000 of those supplies. There were \$15,000 of those supplies that have not yet been used.  
 g. Paid employees \$80,000 during the year.

N5

### Recording the Sale of PPE and the Gain/Loss on Sale

A car with an acquisition cost of \$41,000 and accumulated depreciation of \$20,000 is sold for \$27,000 cash. Give the journal entry to record the sale and gain/loss.

Dr. Cash (A)      \$27,000  
 Dr. Accumulated depreciation (XA, A)      20,000  
 Cr. PP&E (or Car) (-A)      \$41,000  
 Cr. Gain on sale of asset (+R, +SE)      \$6,000

If it is a loss, make a debit entry, e.g., if car is sold for \$14,000:

Dr. Cash (A)      \$14,000  
 Dr. Accumulated depreciation (XA, A)      20,000  
 Cr. PP&E (or Car) (-A)      \$41,000  
 Dr. Loss on sale of asset (+E, -SE)      \$7,000

X4A

### DE Delivery Company Income Statement For the Year Ended December 31, 20X1

Revenue:	
Freight revenue	\$30,000
Service revenue	20,000
Total revenue	\$50,000
Operating expenses:	
Repair expense	10,000
Packing supplies expense	10,000
Freight expense	10,000
Rent expense for facilities	10,000
Fuel expense	10,000
Advertising	10,000
Total operating expenses	(70,000)
Income from operations	\$18,000
Other (nonoperating) items: Gain on sale of investments	10,000
Income before income taxes	(18,000)
Income tax expense	10,000
Net income	\$18,000

N2

Q11A

Common stock, par \$10; authorized 100,000 shares; issued 11,000 shares; outstanding 10,800 shares	\$110,000
Additional paid-in capital	\$2,000
Retained earnings	\$18,000
Less: Treasury stock, 200 shares (at cost)	(2,000)
Total stockholders' equity	\$128,000

Retained earnings = \$160,000 - \$19,800 - (1,000 shares x \$12) + \$30,000 = \$158,200

### Stock Dividend Accounting – Large Stock Dividend

Large stock dividend is one where additional shares distributed are greater than 20 to 25% of pre-distribution outstanding shares. We then record the new shares at their fair value and reduce retained earnings by that amount.

Example: Colonial Bancorp, which has 2,000,000 shares of \$1 par outstanding, declares a 30% stock dividend. Market price on distribution date = \$30/share. Note: This is a "large stock dividend" (New shares > 20-25% of outstanding).  
 What happens to par value? No change in par value. (It is a stock dividend.)  
 No. of new shares issued = 600,000 shares = 2,000,000 x 30%

Accounting:  
 Dr. Retained earnings (SE)      \$600,000      = 600,000 x \$1 par value  
 Cr. Common stock at par (+SE)      600,000

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N12

Assets (A) = Liabilities (L) + Stockholders' equity (SE)

Stockholders' equity = Contributed capital (CC) + Retained earnings (RE)

RE (ending) = RE (beginning) + Net Income - Dividends

Net income = Revenue - Expenses + Gains - Losses

X6

6. Three transactions described below were completed during 2022 by a company.

- On June 1, the company paid \$12,000 for one year's rent beginning on that date, and recorded as Prepaid Rent.
- On February 7, the company purchased office supplies for one year's supply of the supplies in a company store on an account. On December 31, a credit amount should reflect supplies of \$200 in the accounts. There was no beginning inventory of supplies on hand.
- On December 31, the company made employees \$2,000 for wages earned during December. These wages had not been paid or recorded.

For each, prepare the adjusting entries as of December 31, 2022, assuming no adjusting entries have been made during the year.

X8

8. A company purchased a computer that cost \$10,000. It had an estimated useful life of five years and a residual value of \$2,000. The computer was depreciated by the straight-line method and was sold at the end of the third year of use for \$5,000 cash. After recording one depreciation, how much of gain or loss should the company record? Show the journal entry to record the sale of the asset.

N9

### E3-3 Expense Recognition Examples (Continued)

How much expense should be recognized in January? (Adele, account side.)

- Pauline pays his subscription \$60,000 in commissions for December sales. No expense - Sales expense would have been reported in December.
- Wendy's gift to a new customer gets in January for \$12,700 cash. No expense - Property, plant and equipment asset = \$12,700.
- On January 1, supplies of \$3,500 were in storage. \$2,000 of supplies were purchased in January. On January 31, \$1,000 of supplies were in storage. \$4,500. \$3,500 Beginning inventory + \$2,000 purchase - \$1,000 Ending inventory = \$4,500 used.

X6A

A. Dr. Rent expense \$2,700  
Cr. Prepaid rent \$2,700

B. Dr. Office supplies expense \$200  
Cr. Office supplies \$200

C. Dr. Wage expense \$2,000  
Cr. Wages payable \$2,000

X8A

8. Cash on hand at year-end = \$800  
Amount of depreciation expense = (\$10,000 - \$2,000) ÷ 5 = \$1,600  
Accumulated depreciation at the end of year-end after 3 years = 3 × \$1,600 = \$4,800  
Book value at the end of the year = \$10,000 - \$4,800 = \$5,200  
Selling for cash of \$5,000, gain/loss = \$5,000 - \$5,200 = -\$200

Journal entry:  
Dr. Cash \$5,000  
Cr. Accumulated depreciation \$4,800  
Cr. Gain on sale of asset \$200

N13

### E1-13 Retained Earnings Review

Plummer Stonework Corporation was organized on January 1, 2022. (CS and RE were zero on that date.) For its first two years of operations, the company reported the following:

Net income for 2022	\$31,000	Net income for 2023	\$42,000
Dividends for 2022	\$14,200	Dividends for 2023	\$18,700
Common stock, end of 2022	\$100,000	Common stock, end of 2023	\$100,000

Calculate the company's total stockholders' equity at the end of 2023. (Note: To answer this, you will need to first calculate the retained earnings at the end of 2023.)

Solution strategy: 1) Calculate the RE at the end of 2022. 2) Use it to calculate the RE at the end of 2023. 3) Add up the 2023 CS of \$100,000 and the RE computed in step 2 to get total SE.

- RE at the end of 2022 = 0 (RE, beg.) + \$31,000 (NI) - \$14,200 (dividend) = \$16,800
- RE at the end of 2023 = \$16,800 (RE, beg.) + \$42,000 (NI) - \$18,700 (dividend) = \$40,100
- Total stockholders' equity at the end of 2023 = \$100,000 (CS) + \$40,100 (RE) = \$140,100

Q2A

2. \$10,000  
Ending RE (\$91,000) = Beginning RE (\$75,000) + Net income (\$26,000) - Dividends declared (\$10,000).

X2A

CS and RE		Partial Balance Sheet	
December 31, 2023		December 31, 2023	
Common stock	100,000	Common stock	100,000
Retained earnings	40,100	Retained earnings	40,100
Total stockholders' equity	140,100	Total stockholders' equity	140,100

Q4A

4. \$126,700  
Working from the bottom of the income statement, beginning with net income and adding back the expenses until reaching operating income:  
Step 1: Net income \$71,000 + Income tax expense \$47,000 = Income before taxes \$118,000  
Step 2: Income before taxes \$118,000 + Interest expense \$8,700 = Oper. income \$126,700

N4

2. 133  
Common stock = \$12,000 - \$7,000 = \$5,000  
Retained earnings = \$14,000 - \$1,000 = \$13,000  
Total stockholders' equity = \$5,000 + \$13,000 = \$18,000

Q6A

6. A. Dr. Insurance expense \$2,000  
Cr. Prepaid insurance \$2,000  
\$8,000 ÷ 4 = \$2,000.

B. Dr. Rent revenue receivable \$750  
Cr. Rent revenue \$750

C. Dr. Interest expense \$500  
Cr. Interest payable \$500  
\$25,000 × 6% × 4/12 = \$500.

D. Dr. Unearned rent revenue \$1,250  
Cr. Rent revenue \$1,250  
\$10,000 ÷ 3/24 = \$1,250.

### Comparing SI and DOB Methods

Date: Acquisition cost = \$41,000; Useful life = 4 years; Salvage value = \$1,000

Beginning Net Book Value	Single-Line (SL)		Double-Declining Balance (DOB)	
	Depreciation Expense	Ending Net Book Value	Depreciation Expense	Ending Net Book Value
0	\$41,000	\$41,000	\$41,000	\$41,000
1	\$10,250	\$30,750	\$20,500	\$20,500
2	\$10,250	\$20,500	\$10,250	\$10,250
3	\$10,250	\$10,250	\$5,125	\$5,125
4	\$10,250	\$1,000	\$5,125	\$1,000
Total	\$41,000	\$1,000	\$41,000	\$1,000

SL rate = 100% ÷ 4 = 25%.  
DOB rate = 100% ÷ 2 = 50%.  
SL over 4 years = \$41,000 × 25% = \$10,250  
DOB over 4 years = \$41,000 × 50% = \$20,500

Q10A

10. Item 1:  
Dr. Compensation expense \$28,000  
Cr. Accrued vacation liability \$28,000

Item 2: No accrual for this year because the rent is for the next year.

Item 3:  
Dr. Warranty expense \$2,400  
Cr. Accrued warranty liability \$2,400

Item 4: No accrual because a contingency that is reasonably possible and reasonably estimated need only be disclosed in the notes to the financial statements.

N10

E3-3 Expense Recognition Examples  
How much expense should be recognized in January? (Adele, account side.)  
a. Mackay paid \$3,000 of depreciation in January (this was his total pay).  
b. \$1,000 - (20,000 ÷ 20) = \$1,000 - \$1,000 = \$0.  
c. \$100,000 - (100,000 ÷ 10) = \$100,000 - \$10,000 = \$90,000.  
d. \$100,000 - (100,000 ÷ 10) = \$100,000 - \$10,000 = \$90,000.  
e. \$100,000 - (100,000 ÷ 10) = \$100,000 - \$10,000 = \$90,000.  
f. \$100,000 - (100,000 ÷ 10) = \$100,000 - \$10,000 = \$90,000.  
g. \$100,000 - (100,000 ÷ 10) = \$100,000 - \$10,000 = \$90,000.

Q2

2. Superior has provided the following information for its recent year of operation: The common stock account balance at the beginning of the year was \$20,000 and the year-end balance was \$25,000. The additional paid-in capital account balance increased \$2,500 during the year. The retained earnings balance at the beginning of the year was \$75,000 and the year-end balance was \$91,000. Net income was \$26,000. How much were Superior's dividend declarations during its recent year of operation?

Q4

4. The following information has been provided by FG Company for the year ended December 31, 2022:  
Net income was \$71,000;  
Income tax expense was \$47,000;  
Dividends declared and paid totaled \$7,500;  
Interest expense was \$5,700;  
Loss on sale of plant assets was \$15,000 (this is treated as operating income);  
Operating expenses for rent, wages, and insurance totaled \$91,000;  
Cash collected from customers was \$220,000.  
Calculate Flatiron's operating income.

10. The following is a partial list of account balances for CN Inc. as of December 31, 2022:

Accounts receivable	\$2,000
Accounts payable	3,000
Prepaid rent	4,000
Wages payable	6,000
Interest expense	800
Accrued interest	1,000

1. Total assets payable at the end of the year = \$2,000 + \$3,000 + \$4,000 + \$6,000 + \$800 + \$1,000 = \$24,800.  
2. Total of the Net Payable in the within one year, before is due in 3 years.  
3. Total of the Net Payable in the within one year, before is due in 3 years.  
Prepare the liability section of the company's classified balance sheet for December 31, 2022, showing current and noncurrent liabilities.

Q6

6. Below are four transactions that were completed during 20X7 by Slumber Lodge. The annual accounting period ends on December 31. Each transaction will require an adjusting entry at December 31, 20X7.

- On July 1, 20X7, the company paid \$8,000 for a two-year insurance premium for a policy on its facilities.
- On December 31, 20X7, a tenant renting some storage space from the company had not paid the rent of \$750 for December.
- On September 1, 20X7, the company borrowed \$25,000 cash and gave a one-year, 6 percent, note payable. The interest is payable on the note's due date of August 31, 20X8.
- On October 1, 20X7, the company collected \$10,000 from a tenant for two years beginning October 1, 20X7, and recorded it as Unearned rent revenue.

X2

### Dividends on Preferred Stock - Example

Zetia Company has the following outstanding: 1) Preferred stock: \$20 par, 5 percent (\$100 shares), 20,000 shares. 2) Common stock: \$0.01 par, 50,000 shares. Zetia has not paid preferred dividends for the last two years. It has \$75,000 available for dividends. How much can it pay in common dividends?  
Note: Before paying any common dividend, Zetia must first pay all preferred dividends in arrears and also pay this year's preferred dividend.  
Annual preferred stock dividend = \$1.00 × 20,000 = \$20,000  
Preferred stock dividends in arrears = \$20,000 × 2 = \$40,000  
Common stock dividend that can be paid = \$75,000 - \$40,000 (arrears) - \$20,000 (this year's preferred dividend) = \$15,000  
This equals \$15,000 ÷ \$0.05 shares = 300,000 common stock dividend.

Q10

10. An appliance company prepares annual financial statements and at December 31, 20X3. The company needs to analyze the following items to determine the whether any adjusting entries are required for the year 20X3.

- Some employees who worked during the year are expected to take their earned vacation in 20X4. Compensation expense for the earned vacation is estimated to be \$28,000.
- Office rent for January, 20X4 has not yet been paid.

2

### E9-3 Payroll

Oaks Company's January payroll has the following data: Salaries and wages earned: \$86,000; Employee income tax withheld: \$10,000; FICA payroll tax: \$6,000 assessed on employer; \$6,000 assessed on employee.  
What was the total labor cost for January?  
= \$86,000 (wages) + \$6,000 (FICA employer) = \$92,000  
What is the employee take-home pay?  
= \$86,000 (wages) - \$10,000 (tax withheld) - \$6,000 (FICA employee) = \$70,000  
List the balance sheet liabilities (employees have been paid):  
Employees' income tax withheld and payable \$10,000  
Employer's FICA payroll tax withheld and payable \$6,000  
Employer's FICA payroll tax payable \$6,000  
Total current liabilities related to payroll \$22,000

3. The company sold 3,000 coffee brewing machines for total sales of \$150,000 expects that 30 machines will need warranty repairs in the next two years and cost of repairs to be \$2,400.  
4. The company has been sued by a customer and assesses the probability of a lawsuit to be reasonably possible. The estimate of the contingency loss is \$20,000.

For each item listed, determine whether there should be an accrual and adjusting entry at December 31, 20X3. If so, then prepare the adjusting entry. If not, state the reason for not accruing a liability.