

Larry M. Walther & Christopher J. Skousen

Current Assets Exercises I

Current Assets Exercises I

1st edition

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Problem 1

Andre Sampri Sporting Goods Store purchases sporing goods merchandise on account from various vendors. Below is an invoice from Tennis Wear World.

| Tennis Wear World | |
|-----------------------------------------------------------------------|-------------------|
| Tennis Clothing High Point, CO | |
| Bill to: Andre Sampri Sporting Goods Store Reno Way, #1234 Denver, CO | INVOICE # 1288 |

| Delivery Date | Invoice Date | F.O.B. Point | Terms |
|---------------|--------------|--------------|-----------|
| May 15, 20X1 | May 15, 20X1 | Denver | 2/10,n/30 |

| QTY | Description | UNIT | PRICE | TOTAL |
|-----|----------------------------------|------|-------|--------------|
| 140 | Super Dry Shirt sport collection | \$ | 75 | \$ 10,500 |
| 25 | Tennis Visor – head wear | | 10 | \$ 250 |
| 15 | Summer Fun collection | | 30 | \$ 450 |
| | | TOTA | L | \$ 11,200 |

a) Prepare Andre Sampri's journal entries for each of the following transactions, assuming use of a periodic inventory system and the "gross method" of recording:

To record the invoice on May 15.

To record the return of the Summer Fun collection on May 17.

To record the payment of the balance due if payment occurred on May 20.

To record the payment of the balance due if payment occurred on May 30.

b) Repeat requirement (a) assuming Andre Sampri' uses the periodic inventory system and the "net method" of recording.

Worksheet 1

a)

| GENERAL JOURNAL | | | |
|-----------------|------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| May 15 | | | |
| | | | |
| | Purchased merchandise on account, | | |
| | terms 2/10,n/30 | | |
| | | | |
| May 17 | | | |
| | | | |
| | Returned the Summer Fun collection | | |
| | | | |
| May 20 | | | |
| | | | |
| | | | |
| | Paid invoice, discount taken | | |
| | | | |
| May 30 | | | |
| | | | |
| | Paid invoice, discount missed | | |

b)

| ENERAL JOURNAL | | | |
|----------------|------------------------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| May 15 | | | |
| | Purchased merchandise on account, terms 2/10,n/30 | | |
| May 17 | | | |
| | Returned the Summer Fun collection | | |
| May 20 | | | |
| | Paid invoice, discount taken | | |
| May 30 | | | |
| | | | |
| | Paid invoice, discount missed | | |

Solution 1

a)

| GENERAL JOURNAL | | | | |
|-----------------|-------------------------------------------------------------------|--------|--------|--|
| Date | Accounts | Debit | Credit | |
| May 5 | Purchases | 11,200 | | |
| | Accounts Payable | | 11,200 | |
| | Purchased merchandise on account, terms 1/10,n/30 | | | |
| | | | | |
| May 7 | Accounts Payable | 450 | | |
| | Purchases Returns & Allowances | | 450 | |
| | Returned the Summer Fun collection | | | |
| | | | | |
| May 10 | Accounts Payable | 10,750 | | |
| | Purchase Discounts | | 215 | |
| | Cash | | 10,535 | |
| | Paid invoice, discount taken ((\$11,200 - \$450) X 2% = \$215) | | | |
| | | | | |
| May 20 | Accounts Payable | 10,750 | | |
| | Cash | | 10,750 | |
| | Paid invoice, discount missed | | | |

b)

| GENERAL JOURNAL | | | | |
|-----------------|-------------------------------------------------------------------------------------------------|--------|--------|--|
| Date | Accounts | Debit | Credit | |
| May 5 | Purchases | 10,976 | | |
| | Accounts Payable | | 10,976 | |
| | Purchased merchandise on account, terms 2/10,n/30 (\$11,200 - (\$11,200 X 2%) = \$10,976) | | | |
| | | | | |
| May 7 | Accounts Payable | 441 | | |
| | Purchases Returns & Allowances | | 441 | |
| | Returned the Summer Fun collection (\$450 – (\$450 X 2%)) | | | |
| | | | | |
| May 10 | Accounts Payable | 10,535 | | |
| | Cash | | 10,535 | |
| | Paid invoice, discount taken (\$10,976 – \$491 = \$10,535) | | | |
| | | | | |
| May 20 | Accounts Payable | 10,535 | | |
| | Purchase Discounts Lost | 215 | | |
| | Cash | | 10,750 | |
| | Paid invoice, discount missed | | | |

Problem 2

Ciwick sells electronic equipment and other basic wiring components to electrical supply dealers across the country. Dealers with "preferred status" receive a 20% discount off of list price. All sales are on account, and payment terms are 1/10, n/30.

Sales of \$2,000 and up (large orders) will ship F.O.B. destination. Orders less than \$2,000 (small orders) are always F.O.B. shipping point. However, Ciwick will prepay freight on small orders by "preferred dealers." Otherwise, small orders are shipped freight collect by the common carrier making the delivery. In no event may a customer apply the cash discount terms to freight charges.

Prepare journal entries to record the sale and subsequent collection for each of the following transactions:

| Transaction | Customer Status | List Price | Freight Cost | Date of Sale | Date of Payment |
|-------------|-----------------|------------|--------------|--------------|-----------------|
| 1 | Preferred | \$ 3,000 | \$ 250 | 05-Jun | 11-Jun |
| 2 | Regular | 600 | 60 | 09-Jun | 22-Jun |
| 3 | Preferred | 1,400 | 90 | 11-Jun | 22-Jun |
| 4 | Regular | 4,000 | 400 | 12-Jun | 19-Jun |
| 5 | Regular | 3,600 | 460 | 14-Jun | 01-Jul |
| 6 | Preferred | 4,800 | 360 | 17-Jun | 29-Jun |

Worksheet 2

| GENERAL JOURNAL | | | | |
|-----------------|----------|-------|--------|--|
| Date | Accounts | Debit | Credit | |
| 05-Jun | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 11-Jun | | | | |
| | | | | |
| | | | | |
| | | | | |

2.

| GENERAL JOURNAL | | | | |
|-----------------|----------|-------|--------|--|
| Date | Accounts | Debit | Credit | |
| 09-Jun | | | | |
| | | | | |
| | | | | |
| | | | | |
| 22-Jun | | | | |
| | | | | |
| | | | | |

3.

| GENERAL JOURNAL | | | | | | |
|-----------------|---------------------|--|--|--|--|--|
| Date | Accounts Debit Cred | | | | | |
| 11-Jun | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| 22-Jun | | | | | | |
| | | | | | | |
| | | | | | | |

| GENERAL JOURNAL | | | |
|-----------------|----------|-------|--------|
| Date | Accounts | Debit | Credit |
| 12-Jun | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| 19-Jun | | | |
| | | | |
| | | | |
| | | | |

5.

| GENERAL JOURNAL | | | | | |
|-----------------|------------------------|--|--|--|--|
| Date | ate Accounts Debit Cro | | | | |
| 14-Jun | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| 01-Jul | | | | | |
| | | | | | |
| | | | | | |

| GENERAL JOURNAL | | | | |
|-----------------|----------|-------|--------|--|
| Date | Accounts | Debit | Credit | |
| 17-Jun | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| 29-Jun | | | | |
| | | | | |
| | | | | |

Solution 2

| GENERAL JOURNAL | | | |
|-----------------|-------------------------------------------------------------------------------------------------------|--------|-------|
| Date | Accounts | Credit | |
| 05-Jun | Accounts Receivable | 2,400 | |
| | Freight-out | 250 | |
| | Cash | | 250 |
| | Sales | | 2,400 |
| | Sold merchandise on account for \$2,400, terms F.O.B. destination, and paid the freight bill of \$250 | | |
| | | | |
| 11-Jun | Cash | 2,376 | |
| | Sales Discounts | 24 | |
| | Accounts Receivable | | 2,400 |
| | Collected invoice amount less 1% discount | | |



2.

| GENERAL JOURNAL | | | |
|-----------------|-----------------------------------------------------------------------|--------|-----|
| Date | Accounts | Credit | |
| 09-Jun | Accounts Receivable | 600 | |
| | Sales | | 600 |
| | Sold merchandise on account for \$600, terms F.O.B. shipping point | | |
| | | | |
| 22-Jun | Cash | 600 | |
| | Accounts Receivable | | 600 |
| | Collected invoice amount | | |

3.

| GENERAL JOURNAL | | | |
|-----------------|---------------------------------------------------------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| 11-Jun | Accounts Receivable | 1,210 | |
| | Cash | | 90 |
| | Sales | | 1,210 |
| | Sold merchandise on account for \$1,210, terms F.O.B. shipping point, freight prepaid | | |
| | | | |
| 22-Jun | Cash | 1,210 | |
| | Accounts Receivable | | 1,210 |
| | Collected invoice amount plus prepaid freight | | |

| GENERAL JOURNAL | | | |
|-----------------|-------------------------------------------------------------------------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| 12-Jun | Accounts Receivable | 4,000 | |
| | Freight-out | 400 | |
| | Cash | | 400 |
| | Sales | | 4,000 |
| | Sold merchandise on account for \$4,000, terms F.O.B. destination, and paid the freight bill of \$400 | | |
| | | | |
| 19-Jun | Cash | 3,960 | |
| | Sales Discounts | 40 | |
| | Accounts Receivable | | 4,000 |
| | Collected invoice amount less 1% discount | | |

5.

| GENERAL JOURNAL | | | | |
|-----------------|-------------------------------------------------------------------------------------------------------|-------|-------|--|
| Date | Accounts Debit Cre | | | |
| 14-Jun | Accounts Receivable | 3,600 | | |
| | Freight-out | 460 | | |
| | Cash | | 460 | |
| | Sales | | 3,600 | |
| | Sold merchandise on account for \$3,600, terms F.O.B. destination, and paid the freight bill of \$460 | | | |
| | | | | |
| 01-Jul | Cash | 3,600 | | |
| | Accounts Receivable | | 3,600 | |
| | Collected invoice amount | | | |

| GENERAL JOURNAL | | | |
|-----------------|-------------------------------------------------------------------------------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| 17-Jun | Accounts Receivable | 3,840 | |
| | Freight-out | 360 | |
| | Cash | | 360 |
| | Sales | | 3,840 |
| | Sold merchandise on account for \$1,920, terms F.O.B. destination, and paid the freight bill of \$180 | | |
| | | | |
| 29-Jun | Cash | 3,840 | |
| | Accounts Receivable | | 3,840 |
| | Collected invoice amount | | |

Problem 3

Hart Dairy produces a variety of specialty ice creams and buys ingredients from many suppliers. Each supplier seems to have unique policies about discounts and freight terms. Hart Dairy records all purchases "gross" and uses a periodic inventory system.

Hart recently hired a new bookkeeper and needs your help to develop a template of sample journal entries for different scenarios. For purposes of preparing the template, assume that the purchase is \$500 and freight is \$50.

| Scenario | Cash Discount | Freight Terms | Discount Condition |
|----------|---------------|---------------------------------------|-----------------------|
| 1 | 2/10, n/30 | F.O.B. Shipping point/freight prepaid | taken |
| 2 | 2/10, n/30 | F.O.B. Shipping point/freight prepaid | missed |
| 3 | 2/10, n/30 | F.O.B. Destination/freight prepaid | taken |
| 4 | 2/10, n/30 | F.O.B. Destination/freight prepaid | missed |
| 5 | 2/10, n/30 | F.O.B. Shipping point/freight collect | taken |
| 6 | 2/10, n/30 | F.O.B. Shipping point/freight collect | missed |



The first scenario is done as an example on the preprinted worksheet. Select from the below accounts to record each journal entry

Cash
Purchases
Accounts Payable
Purchases Discounts
Freight-in

Worksheet 3

1.

| GENERAL JOURNAL | | | | |
|-----------------|---------------------------------------|--------|-----|--|
| Date | Accounts | Credit | | |
| purchase | Purchases | 500 | | |
| | Freight-in | 50 | | |
| | Accounts Payable | | 550 | |
| | F.O.B. Shipping point/freight prepaid | | | |
| | | | | |
| pay | Accounts Payable | 550 | | |
| | Purchases Discounts | | 10 | |
| | Cash | | 540 | |
| | discount taken | | | |

| GENERAL JOURNAL | | | |
|-----------------|---------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| purchase | | | |
| | | | |
| | | | |
| | F.O.B. Shipping point/freight prepaid | | |
| | | | |
| pay | | | |
| | | | |
| | discount missed | | |

3.

| GENERAL JOURNAL | | | |
|-----------------|------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| purchase | | | |
| | Accounts Payable | | |
| | F.O.B. Destination/freight prepaid | | |
| | | | |
| pay | | | |
| | | | |
| | | | |
| | discount taken | | |

4.

| GENERAL JOURNAL | | | |
|-----------------|------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| purchase | | | |
| | | | |
| | F.O.B. Destination/freight prepaid | | |
| | | | |
| pay | | | |
| | | | |
| | discount missed | | |

| GENERAL JOURNAL | | | |
|-----------------|---------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| purchase | | | |
| | | | |
| | | | |
| | | | |
| | F.O.B. Shipping point/freight collect | | |
| | | | |
| pay | | | |
| | | | |
| | | | |
| | discount taken | | |

6.

| GENERAL JOURNAL | | | |
|-----------------|---------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| purchase | | | |
| | | | |
| | | | |
| | | | |
| | F.O.B. Shipping point/freight collect | | |
| | | | |
| pay | | | |
| | | | |
| | discount missed | | |

STUDY FOR YOUR MASTER'S DEGREE THE CRADLE OF SWEDISH ENGINEERING

Chalmers University of Technology conducts research and education in engineering and natural sciences, architecture, technology-related mathematical sciences and nautical sciences. Behind all that Chalmers accomplishes, the aim persists for contributing to a sustainable future – both nationally and globally.



Solution 3

1.

| GENERAL JOURNAL | | | |
|-----------------|---------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| purchase | Purchases | 500 | |
| | Freight-in | 50 | |
| | Accounts Payable | | 550 |
| | F.O.B. Shipping point/freight prepaid | | |
| | | | |
| pay | Accounts Payable | 550 | |
| | Purchases Discounts | | 10 |
| | Cash | | 540 |
| | discount taken | | |

2.

| GENERAL JOURNAL | | | |
|-----------------|---------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| purchase | Purchases | 500 | |
| | Freight-in | 50 | |
| | Accounts Payable | | 550 |
| | F.O.B. Shipping point/freight prepaid | | |
| | | | |
| pay | Accounts Payable | 550 | |
| | Cash | | 550 |
| | discount missed | | |

| GENERAL JOURNAL | | | |
|-----------------|------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| purchase | Purchases | 500 | |
| | Accounts Payable | | 500 |
| | F.O.B. Destination/freight prepaid | | |
| | | | |
| pay | Accounts Payable | 500 | |
| | Purchases Discounts | | 10 |
| | Cash | | 490 |
| | discount taken | | |

4.

| GENERAL JOURNAL | | | |
|-----------------|------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| purchase | Purchases | 500 | |
| | Accounts Payable | | 500 |
| | F.O.B. Destination/freight prepaid | | |
| | | | |
| pay | Accounts Payable | 500 | |
| | Cash | | 500 |
| | discount missed | | |

5.

| GENERAL JOURNAL | | | |
|-----------------|---------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| purchase | Purchases | 500 | |
| | Freight-in | 50 | |
| | Cash | | 50 |
| | Accounts Payable | | 500 |
| | F.O.B. Shipping point/freight collect | | |
| | | | |
| pay | Accounts Payable | 500 | |
| | Purchases Discounts | | 10 |
| | Cash | | 490 |
| | discount taken | | |

| GENERAL JOURNAL | | | |
|-----------------|---------------------------------------|-------|--------|
| Date | Accounts | Debit | Credit |
| purchase | Purchases | 500 | |
| | Freight-in | 50 | |
| | Cash | | 50 |
| | Accounts Payable | | 500 |
| | F.O.B. Shipping point/freight collect | | |
| | | | |
| pay | Accounts Payable | 500 | |
| | Cash | | 500 |
| | discount missed | | |

Problem 4

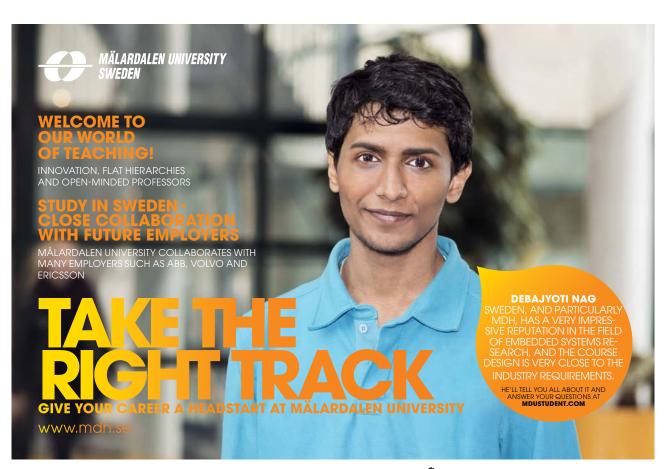
Partial information follows about net sales, net purchases, cost of goods sold, gross profit, total expenses, and net income for Jensen Company. Compute the missing values.

NET SALES

| Sales | \$2,400,000 |
|------------------------------|-------------|
| Sales discounts | 60,000 |
| Sales returns and allowances | ? |
| Net sales | 2,205,000 |

NET PURCHASES

| Purchases | \$1,200,000 |
|----------------------------------|-------------|
| Freight-in | 60,000 |
| Purchases discounts | ? |
| Purchases returns and allowances | 7,500 |
| Net purchases | 1,240,500 |



COST OF GOODS SOLD

Beginning inventory \$256,200 Ending inventory 223,500 Cost of goods sold ?

GROSS PROFIT

Gross profit ?

TOTAL EXPENSES

| Rent | \$108,000 |
|----------------|-----------|
| Salaries | 437,100 |
| Utilities | 36,900 |
| Freight-out | ? |
| Other | 72,300 |
| Total expenses | 726,600 |

NET INCOME

| Net income | ? |
|------------|---|
| | |

Worksheet 4

| Net s | ales | | \$ 2,295,000 |
|-------|------------------------------|--------------|-----------------|
| | Sales returns and allowances | 45,000 | 105,000 |
| Less: | Sales discounts | \$ 60,000 | |
| Sales | | | \$ 2,400,000 |

Solution 4

| Sales | | | \$ | 2,400,000 |
|------------------|---------------------------------|-------------|----|--------------------|
| Less: | Sales discounts | 60,000 | | |
| | Sales returns and allowances | 45,000 | | 105,000 |
| Net sales | i | | \$ | 2,295,000 |
| | | | | |
| Purchases | s | | \$ | 1,200,000 |
| Plus: | Freight-in | | | 60,000 |
| | | | \$ | 1,260,000 |
| Less: | Purchase discounts | \$ 4,000 | | |
| | Purchase returns and allowances | 7,500 | | 11,500 |
| Net purc | hases | | \$ | 1,248,500 |
| | | | | |
| Beginning | g inventory, Jan. 1 | | \$ | 256,200 |
| Net purch | nases | | | 1,248,500 |
| Goods av | ailable for sale | | \$ | 1,504,700 |
| Less: | Ending inventory, Dec. 31 | | | 223,500 |
| Cost of g | oods sold | | \$ | 1,281,200 |
| | | | | |
| Net sales | | | \$ | 2,295,000 |
| Cost of go | | | | 1,281,200 |
| Gross pro | ofit | | \$ | 1,013,800 |
| Dant | | | ė. | 100.000 |
| Rent Salaries | | | \$ | 108,000 437,100 |
| Utilities | | | | 36,900 |
| Freight-o | ut | | | 72,300 |
| Other | ut | | | 72,300 |
| Total exp | venses | | \$ | 726,600 |
| | | | | -, |
| Gross pro | fit | | \$ | 1,013,800 |
| Total expe | enses | | | 726,600 |
| Net incor | me | | \$ | 287,200 |

Problem 5

Blacksmith Hardware Company provides the following alphabetic list of accounts and their respective balances. All accounts have normal balances, and income statement account balances are for the year ending December 31, 20X5. A physical count of merchandise inventory on hand at year end revealed a balance of \$1,386,950. Use this information to prepare a comprehensive income statement.

| Accounts payable | \$ 331,995 |
|-------------------------------|---------------|
| Accounts receivable | 414,450 |
| Accumulated depreciation | 832,770 |
| Beginning inventory, Jan. 1 | 1,224,780 |
| Capital stock | 720,000 |
| Cash | 127,210 |
| Depreciation expense | 329,950 |
| Dividends | 60,000 |
| Equipment | 1,622,780 |
| Freight-in | 217,205 |
| Freight-out | 17,830 |
| Insurance expense | 43,500 |
| Marketing expense | 559,955 |
| Purchase discounts | 8,940 |
| Purchase returns & allowances | 33,325 |
| Purchases | 2,167,215 |
| Rent expense | 211,675 |
| Retained earnings, Jan. 1 | 121,635 |
| Salaries expense | 1,169,990 |
| Salaries payable | 49,775 |
| Sales | 4,889,660 |
| Sales discounts | 44,085 |
| Sales returns and allowances | 69,990 |
| Utilities expense | 94,435 |

Worksheet 5

| BLACKSMITH HARDWARE COMPANY | | | | | | | | |
|---------------------------------------|--|--|--|--|--|--|--|--|
| Income Statement | | | | | | | | |
| For the Year Ending December 31, 20X5 | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
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Solution 5

| | BLACKSMITH HARDWARE COMPANY | | | | | | |
|------------|-------------------------------|--------|-------------|----------------|----|-----------|-----------------|
| | | | Income Sta | tement | | | |
| | For | the Ye | ar Ending D | ecember 31, 20 | X5 | | |
| Revenues | • | | | | | | |
| Sales | | | | | | | \$ 4,889,660 |
| Less: | Sales discounts | | | | \$ | 44,085 | |
| | Sales returns and allowances | | | | | 69,990 | 114,075 |
| Net sale | es | | | | | | \$ 4,775,585 |
| Cost of go | oods sold | | | | | | |
| Beginni | ng inventory, Jan 1 | | | | \$ | 1,224,780 | |
| Add | Purchases | | | \$ 2,167,215 | | | |
| | Freight-in | | | 217,205 | _ | | |
| | | | | \$ 2,384,420 | | | |
| Less: | Purchase discounts | \$ | 8,940 | | | | |
| | Purchase returns & allowances | | 33,325 | 42,265 | | | |
| Net pur | chases | | | | • | 2,342,155 | |
| Goods | available for sale | | | | \$ | 3,566,935 | |
| Less: | Ending inventory, Dec. 31 | | | | | 1,386,950 | |
| Cost of | goods sold | | | | | | 2,179,985 |
| Gross pro | fit | | | | | | \$ 2,595,600 |
| Expenses | | | | | | | |
| Salaries | | | | | \$ | 1,169,990 | |
| Marketi | ng | | | | | 559,955 | |
| Rent | | | | | | 211,675 | |
| Insuran | ce | | | | | 43,500 | |
| Utilities | | | | | | 94,435 | |
| Freight- | out | | | | | 17,830 | |
| Depreci | ation | | | | | 329,950 | 2,427,335 |
| Net incon | ne | | | | | | \$ 168,265 |

Problem 6

Everything Electrical sales custom electrical fittings. Following is the corporation's income statement. Use this statement to prepare closing entries. No dividends were declared during the period.

| | EVERYTHING ELECTRICAL INC. | | | | | | | | | |
|-----------|---------------------------------------|----|--------|--------------|--------------|----|--------------|--|--|--|
| | Income Statement | | | | | | | | | |
| | For the Year Ending December 31, 20X4 | | | | | | | | | |
| Revenue | 2S | | | | | | | | | |
| Sales | | | | | | | \$ 1,775,308 | | | |
| Less: | Sales discounts | | | | \$ 9,334 | | | | | |
| | Sales returns and allowances | | | | 19,760 | | 29,094 | | | |
| Net sal | les | | | | | \$ | 1,746,214 | | | |
| Cost of g | joods sold | | | | | | | | | |
| Beginn | ning inventory, Jan 1 | | | | \$ 364,686 | | | | | |
| Add | Purchases | | | \$ 1,186,712 | | | | | | |
| | Freight-in | | | 42,180 | | | | | | |
| | | | | \$ 1,228,892 | | | | | | |
| Less: | Purchase discounts | \$ | 7,002 | | | | | | | |
| | Purchase returns & allowances | | 38,018 | 45,020 | | | | | | |
| Net pu | ırchases | | _ | | 1,183,872 | | | | | |
| Goods | available for sale | | | | \$ 1,548,558 | | | | | |
| Less: | Ending inventory, Dec. 31 | | | | 398,110 | | | | | |
| Cost of | f goods sold | | | | | | 1,150,448 | | | |
| Gross pr | ofit | | | | | \$ | 595,766 | | | |
| Expense | s | | | | | | | | | |
| Salarie | S | | | | \$ 376,000 | | | | | |
| Insurai | nce | | | | 18,304 | | | | | |
| Utilitie | S | | | | 15,520 | | | | | |
| Freigh | t-out | | | | 4,868 | | | | | |
| Depre | ciation | | | | 27,546 | | 442,238 | | | |
| Net inco | me | | | | | \$ | 153,528 | | | |

Worksheet 6

| GENERAL JOURNAL | | | | | | |
|-----------------|----------|-------|--------|--|--|--|
| Date | Accounts | Debit | Credit | | | |
| Dec. 31 | | | | | | |
| | | | | | | |
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| Dec. 31 | | | | | | |
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| Dec. 31 | | | | | | |
| | | | | | | |
| | | | | | | |

Solution 6

| GENERAL JOUR | NAL | | |
|--------------|-----------------------------------------------------------------------------------------------------|-----------|-----------|
| Date | Accounts | Debit | Credit |
| Dec. 31 | Sales | 1,775,308 | |
| | Purchase Discounts | 7,002 | |
| | Purchase Returns and Allowances | 38,018 | |
| | Inventory | 398,110 | |
| | Income Summary | | 2,218,438 |
| | To close income statement accounts with a credit balance, and establish ending inventory balance | | |
| | | | |
| Dec. 31 | Income Summary | 2,064,910 | |
| | Sales Discounts | | 9,334 |
| | Sales Returns and Allowances | | 19,760 |
| | Purchases | | 1,186,712 |
| | Freight-in | | 42,180 |
| | Salaries Expense | | 376,000 |
| | Insurance Expense | | 18,304 |
| | Utilities Expense | | 15,520 |
| | Freight-out | | 4,868 |
| | Depreciation Expense | | 27,546 |
| | Inventory | | 364,686 |
| | To close income statement accounts with a debit balance, and remove the beginning inventory balance | | |
| | | | |
| Dec. 31 | Income Summary | 153,528 | |
| | Retained Earnings | | 153,528 |
| | To close Income Summary to retained earnings | | |

Problem 7

McEnroe Corporation and Edberg Corporation each sell tennis equipment. McEnroe Corporation's strategy is to focus on selling quality units at the best possible prices, while attempting to minimize selling, general, and administrative expenses (SG&A). Edberg Corporation has concluded that many customers will differentiate more on brand than quality, and is promoting its inferior goods with a significant marketing campaign.

Study each company's income statement below, and calculate the respective proportion of sales returns, the gross profit margin, and the net profit on sales. Both companies are subject to a 30% tax rate. Assuming no change in SG&A, which company would experience the biggest increase in profit from a 10% increase in net sales? Which company would experience the biggest decline in profit from a 10% decrease in net sales?





| MCENROE CORPORATION | | | | | | | |
|-----------------------------------|------------------|--------------|--|--|--|--|--|
| Income State | Income Statement | | | | | | |
| For the Year Ending De | cember 31, 20X6 | | | | | | |
| Net sales | | | | | | | |
| Gross sales | \$ 2,837,628 | | | | | | |
| Less: Sales return | 56,754 | \$ 2,780,874 | | | | | |
| Cost of goods sold | | 2,128,221 | | | | | |
| Gross profit | | \$ 652,653 | | | | | |
| Selling expenses | \$ 135,000 | | | | | | |
| General & administrative expenses | 360,000 | 495,000 | | | | | |
| Income before taxes | | \$ 157,653 | | | | | |
| Income tax expense (30%) | | 47,296 | | | | | |
| Net income | | \$ 110,357 | | | | | |

| BORG CORPORATION | | | | |
|-----------------------------------|--------------|--------------|--|--|
| Income Statement | | | | |
| For the Year Ending Decem | ber 31, 20X6 | | | |
| Net sales | | | | |
| Gross sales | \$ 2,957,628 | | | |
| Less: Sales return | 176,754 | \$ 2,780,874 | | |
| Cost of goods sold | | 1,251,393 | | |
| Gross profit | | \$ 1.529,393 | | |
| Selling expenses | \$ 1,011,828 | | | |
| General & administrative expenses | 360,000 | 1,371,828 | | |
| Income before taxes | | \$ 157,653 | | |
| Income tax expense (30%) | | 47,296 | | |
| Net income | | \$ 110,357 | | |
| | | | | |

Worksheet 7

McEnroe Corporation

Sales returns rate

Gross profit margin

Net profit margin

Borg Corporation

Sales returns rate

Gross profit margin

Net profit margin

| McEnroe | Borg |
|---------|-------------------------|
| | |
| \$ | \$ |
| | |
| \$ | \$ |
| | |
| \$ | \$ |
| | |
| \$ | \$ |
| | |
| | |
| \$ | \$ |
| | |
| \$ | \$ |
| | |
| \$ | \$ |
| | |
| \$ | \$ |
| | \$ \$ \$ \$ \$ \$ \$ \$ |

Solution 7

| McEnroe Corporation | | |
|---------------------|-----------------------------|--------|
| Sales returns rate | (\$56,754 ÷ \$2,837,628) | 2,00% |
| Gross profit margin | (\$652,653 ÷ \$2,780,874) | 23,47% |
| Net profit margin | (\$110,357 ÷ \$2,780,874) | 3,97% |
| | | |
| Borg Corporation | | |
| Sales returns rate | (\$176,754 ÷ \$2,957,628) | 5,98% |
| Gross profit margin | (\$1,529,481 ÷ \$2,780,874) | 55,00% |
| Net profit margin | (\$110,357 ÷ \$2,780,874) | 3,97% |

Intuitively, the company with the highest gross profit rate (Borg) would benefit more from an increase in sales (assuming SG&A is not changing). Conversely, Borg will suffer more from a decline in sales. Below is a comparison of effects:

| | McEnroe | Borg |
|------------------------------------------------|-----------------|-----------------|
| 10% increase in net sales | | |
| Net sales (\$2,780,874 × 110%) | \$ 3,058,961 | \$ 3,058,961 |
| Cost of goods sold | 2,341,043 | 1,376,532 |
| Gross profit (net sales × gross profit margin) | \$ 717,918 | \$ 1,682,429 |
| SG&A | 495,000 | 1,371,828 |
| Income before taxes | \$ 222,918 | \$ 310,601 |
| Income tax expense (30%) | 66,875 | 93,180 |
| Net income | \$ 156,043 | \$ 217,421 |
| 10% decrease in net sales | | |
| Net sales (\$2,780,874 × 90%) | \$ 2,502,787 | \$ 2,502,787 |
| Cost of goods sold | 1,915,399 | 1,126,254 |
| Gross profit (net sales × gross profit margin) | \$ 587,388 | \$ 1,376,533 |
| SG&A | 495,000 | 1,371,828 |
| Income before taxes | \$ 92,388 | \$ 4,705 |
| Income tax expense (30%) | 27,716 | 1,411 |
| Net income | \$ 64,671 | \$ 3,293 |

Problem 8

Timeless Time Clock Shop reported the following merchandising-related transactions during April. Timeless Time Clock records all purchases "gross" and credit terms are precisely followed on both purchases and sales.

Prepare journal entries to record each transaction.

| 03-apr | Purchased \$2,000 of clocks on account from Tic Toc Time, F.O.B. destination, terms 1/10, n/30. |
|--------|-------------------------------------------------------------------------------------------------|
| 05-apr | Sold a \$750 clock to Harold Lee on account, terms 2/10, n/eom. The customer |
| | picked up the clock from the shop. |
| 09-apr | Paid the amount due for the purchase of April 3. |
| 11-apr | Purchased \$4,000 of clocks on account from Creighton Clockworks, F.O.B. |
| | shipping point, terms 2/10, n/30. Freight charges of \$230 were prepaid by |
| | Creighton and added to the invoice. No discount is permitted on the |
| | freight charges. |
| 19-apr | Sold a \$1,750 clock on account, terms 2/10, n/eom. Timeless sold the clock |
| | F.O.B. destination, and paid the freight charges of \$165. |
| 23-apr | The customer of April 19 called to report that the clock was received damaged. |
| | An agreement was reached to reduce the invoice by 20%. |
| 27-apr | Paid Creighton Clockworks for the purchase of April 11. |
| 27-apr | Harold Lee paid for the purchase of April 5. |
| 28-apr | The customer of April 19 paid the balance due. |

Worksheet 8

| Date | Accounts | Debit | Credit |
|--------|------------------------------------------------------------|-------|--------|
| 03-Apr | | | |
| | | | |
| | Purchased clocks on account, terms 1/10,n/30 | | |
| 05-Apr | | | |
| | Sold clock on account, terms 2/10, n/eom | | |
| 09-Apr | | | |
| | | | |
| | Paid for the puchase of April 3, taking the 1% discount | | |
| 11-Apr | | | |
| | | | |
| | Received bill for cost of supplies | | |
| 19-Apr | | | |
| | | | |
| | Sold clock on account, 2/10, n/eom, F.O.B. destination | | |
| | | | |
| 23-Apr | | | |
| | Reduced balance due from customer on account of damage | | |

| 27-Apr | | |
|--------|----------------------------------------------------------------|--|
| | | |
| | Paid the full amount due for the purchase of April 11 | |
| | | |
| 27-Apr | | |
| | | |
| | Collected the amount due for the sale on April 5 | |
| | | |
| 28-Apr | | |
| | | |
| | | |
| | Collected remaining amount for April 19 sale, less 2% discount | |



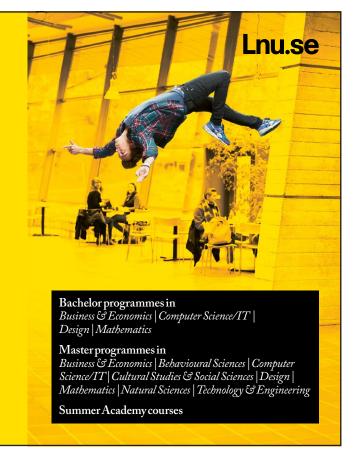
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Linnæus University

Sweden



Solution 8

| GENERAL JOURNAL | | | | |
|-----------------|------------------------------------------------------------|-------|--------|--|
| Date | Accounts | Debit | Credit | |
| 03-Apr | Purchases | 2,000 | | |
| | Accounts Payable | | 2,000 | |
| | Purchased clocks on account, terms 1/10,n/30 | | | |
| 05-Apr | Accounts Receivable | 750 | | |
| | Sales | | 750 | |
| | Sold clock on account, terms 2/10, n/eom | | | |
| 09-Apr | Accounts Payable | 2,000 | | |
| | Purchases Discounts | | 20 | |
| | Cash | | 1,980 | |
| | Paid for the puchase of April 3, taking the 1% discount | | | |
| | | | | |
| 11-Apr | Purchases | 4,000 | | |
| | Freight-in | 230 | | |
| | Accounts Payable | | 4,230 | |
| | Received bill for cost of supplies | | | |
| 19-Apr | Accounts Receivable | 1,750 | | |
| | Freight-out | 165 | | |
| | Sales | | 1,750 | |
| | Cash | | 165 | |
| | Sold clock on account, 2/10, n/eom, F.O.B. destination | | | |
| | | | | |
| 23-Apr | Sales Returns and Allowances | 350 | | |
| | Accounts Receivable | | 350 | |
| | Reduced balance due from customer on account of damage | | | |
| | | | | |

| 27-Apr | Accounts Payable | 4,230 | |
|--------|----------------------------------------------------------------|-------|-------|
| | Cash | | 4,230 |
| | Paid the full amount due for the purchase of April 11 | | |
| | | | |
| 27-Apr | Cash | 750 | |
| | Accounts Receivable | | 750 |
| | Collected the amount due for the sale on April 5 | | |
| | | | |
| 28-Apr | Cash | 1,372 | |
| | Sales Discounts | 28 | |
| | Accounts Receivable | | 1,400 |
| | Collected remaining amount for April 19 sale, less 2% discount | | |

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