## Chapter 7

Profit Planning

## Planning and Control

- Planning -involves developing objectives and preparing various budgets to achieve these objectives.
- Control -- involves the steps taken by management that attempt to ensure the objectives are attained.



## Advantages of Budgeting

Define goal
and objectives
Communicating plans

## Responsibility Accounting

Managers should be held responsible for those items - and only those items - that the manager can actually control to a significant extent.


## Choosing the Budget Period

## Operating Budget



The annual operating budget may be divided into quarterly or monthly budgets.

## Participative Budget System



## The Budget Committee

A standing committee responsible for * overall policy matters relating to the budget * coordinating the preparation of the budget


## The Master Budget



## Budgeted Financial Statements

## The Sales Budget

Detailed schedule showing expected sales for the coming periods expressed in units and dollars.


## Budgeting Example

(1) Royal Company is preparing budgets for the quarter ending June 30.
(2) Budgeted sales for the next five months are: - April 20,000 units

- May 50,000 units
- June 30,000 units
- July 25,000 units
- August 15,000 units.
(3) The selling price is $\$ 10$ per unit.


## The Sales Budget

April May June Quarter
Budgeted
sales (units) $20,000 \quad 50,000 \quad 30,000 \quad 100,000$
Selling price
per unit
Total sales

## The Sales Budget

## April May June Quarter

Budgeted sales (units) $20,000 \quad 50,000 \quad 30,000 \quad 100,000$ Selling price | $\begin{array}{c}\text { per unit } \\ \text { Total sales }\end{array}$ | $\$ 200,000$ | $\$ 10$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | $\$ 500,000$ | $\$ 10$ |
|  | $\$ 300,000$ | $\$ 1,000,000$ |

## The Production Budget



Production must be adequate to meet budgeted sales and provide for sufficient ending inventory.

## The Production Budget

- Royal Company wants ending inventory to be equal to $20 \%$ of the following month's budgeted sales in units.
- On March 31, 4,000 units were on hand.
- Let's prepare the production budget.


## The Production Budget

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Budgeted sales | 20,000 | 50,000 | 30,000 | 100,000 |

Add desired ending inventory
Total needed
Less beginning
inventory
Required production $\xlongequal{26,000}$

## The Production Budget

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Budgeted sales | 20,000 | 50,000 | 30,000 | 100,000 |

Add desired ending


## Quick Check $V$

## What is the required production for May?

 a. 56,000 unitsb. 46,000 units
c. 62,000 units
d. 52,000 units

## Quick Check $V$

## What is the required production for May?

 a. 56,000 unitsb. 46,000 units
c. 62,000 units
d. 52,000 units

## The Production Budget

|  | April |  | May |  | June |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | Quarter |  |  |  |  |
| Budgeted sales | 20,000 |  | 50,000 |  | 30,000 |  |
| 100,000 |  |  |  |  |  |  |

Add desired ending
inventory
Total needed

| 10,000 |
| ---: |
| 30,000 | | 6,000 |
| ---: |
| 56,000 |

Less beginning
inventory
$\begin{array}{r}4,000 \\ \hline \underline{26,000} \\ \hline\end{array}$

## The Production Budget



## The Production Budget

|  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Budgeted sales | April |  | May |  | June |
|  | 20,000 |  | 50,000 |  | Quarter |

Add desired ending

| inventory | 10,000 | 6,000 | 5,000 | 5,000 |
| :---: | :---: | :---: | :---: | :---: |
| Total needed | 30,000 | 56,000 | 35,000 | 105,000 |
| Less beginning |  |  |  | $\checkmark$ |
| inventory | 4,000 | 10,000 | 6,000 | 4,000 |
| Required production | 26,000 | 46,000 | 29,000 | 101,000 |

## Expected Cash Collections

- All sales are on account.
- Royal's collection pattern is:
- $70 \%$ collected in the month of sale,
- $25 \%$ collected in the month following sale,
- $5 \%$ is uncollectible.
- The March 31 accounts receivable balance of $\$ 30,000$ will be collected in full.


## Expected Cash Collections

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Accounts rec. - 3/31 | \$ 30,000 |  |  | \$ 30,000 |

Total cash collections

## Expected Cash Collections

Accounts rec. - $3 / 31$

| April | May | June | Quarter |
| :---: | :---: | :---: | :---: |
| \$ 30,000 |  |  | \$ 30,000 |
| 140,000 |  |  | 140,000 |
|  | \$ 50,000 |  | 50,000 |



## Quick Check $\checkmark$

What will be the total cash collections for the quarter?
a. $\$ 700,000$
b. $\$ 220,000$
c. $\$ 190,000$
d. $\$ 905,000$

## Quick Check $\checkmark$

What will be the total cash collections for the quarter?
a. $\$ 700,000$
b. $\$ 220,000$
c. $\$ 190,000$
d. $\$ 905,000$

## Expected Cash Collections

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Accounts rec. - $3 / 31$ | \$ 30,000 |  |  | \$ 30,000 |
| April sales |  |  |  |  |
| 70\% x \$200,000 | 140,000 |  |  | 140,000 |
| 25\% x \$200,000 |  | \$ 50,000 |  | 50,000 |
| May sales |  |  |  |  |
| 70\% x \$500,000 |  | 350,000 |  | 350,000 |
| 25\% x \$500,000 |  |  | \$ 125,000 | 125,000 |
| Total cash collections | \$ 170,000 | \$ 400,000 |  |  |

## Expected Cash Collections

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Accounts rec. - $3 / 31$ | \$ 30,000 |  |  | \$ 30,000 |
| April sales |  |  |  |  |
| 70\% x \$200,000 | 140,000 |  |  | 140,000 |
| 25\% x \$200,000 |  | \$ 50,000 |  | 50,000 |
| May sales |  |  |  |  |
| 70\% x \$500,000 |  | 350,000 |  | 350,000 |
| 25\% x \$500,000 |  |  | \$ 125,000 | 125,000 |
| June sales |  |  |  |  |
| 70\% x \$300,000 |  |  | 210,000 | 210,000 |
| Total cash collections | \$ 170,000 | \$ 400,000 | \$ 335,000 | \$ 905,000 |

## The Direct Materials Budget

- At Royal Company, five pounds of material are required per unit of product.
- Management wants materials on hand at the end of each month equal to $10 \%$ of the following month's production.
- On March 31, 13,000 pounds of material are on hand. Material cost is $\$ 0.40$ per pound.
Let's prepare the direct materials budget.


## The Direct Materials Budget



## The Direct Materials Budget

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Production | 26,000 | 46,000 | 29,000 | 101,000 |
| Materials per unit | 5 | 5 | 5 | 5 |
| Production needs | 130,000 | 230,000 | 145,000 | 505,000 |
| Add desired ending inventory |  |  |  |  |
| Total needed |  |  |  |  |
| Less beginning inventory |  |  |  |  |
| Materials to be purchased |  |  |  |  |

## The Direct Materials Budget



## The Direct Materials Budget



## Quick Check $\checkmark$

How much materials should be purchased in May?
a. 221,500 pounds
b. 240,000 pounds
c. 230,000 pounds
d. 211,500 pounds

## Quick Check $\checkmark$

How much materials should be purchased in May?
a. 221,500 pounds
b. 240,000 pounds
c. 230,000 pounds
d. 211,500 pounds

## The Direct Materials Budget



## Expected Cash Disbursement for Materials

- Royal pays $\$ 0.40$ per pound for its materials.
- One-half of a month's purchases are paid for in the month of purchase; the other half is paid in the following month.
- The March 31 accounts payable balance is $\$ 12,000$.
- Let's calculate expected cash disbursements.


## Expected Cash Disbursement for Materials

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Accounts pay. 3/31 | \$12,000 |  |  | \$ 12,000 |
| April purchases |  |  |  |  |

May purchases

June purchases
Total cash
disbursements

## Expected Cash Disbursement for Materials



## Quick Check $\checkmark$

What are the total cash disbursements for the quarter?
a. $\$ 185,000$
b. $\$ 68,000$
c. $\$ 56,000$
d. $\$ 201,400$

## Quick Check $\checkmark$

## What are the total cash disbursements for the

 quarter?a. $\$ 185,000$
b. $\$ 68,000$
c. $\$ 56,000$
d. $\$ 201,400$

## Expected Cash Disbursement for Materials

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Accounts pay. 3/31 | \$12,000 |  |  | \$ 12,000 |
| April purchases |  |  |  |  |
| 50\% x \$56,000 | 28,000 |  |  | 28,000 |
| 50\% x \$56,000 |  | \$ 28,000 |  | 28,000 |
| May purchases |  |  |  |  |
| 50\% x \$88,600 |  | 44,300 |  | 44,300 |
| 50\% x \$88,600 |  |  | \$44,300 | 44,300 |
| June purchases |  |  |  |  |
| Total cash |  |  |  |  |
| disbursements | \$40,000 | \$72,300 |  |  |

## Expected Cash Disbursement for Materials

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Accounts pay. 3/31 | \$12,000 |  |  | \$ 12,000 |
| April purchases |  |  |  |  |
| 50\% x \$56,000 | 28,000 |  |  | 28,000 |
| 50\% x \$56,000 |  | \$28,000 |  | 28,000 |
| May purchases |  |  |  |  |
| 50\% x \$88,600 |  | 44,300 |  | 44,300 |
| 50\% x \$88,600 |  |  | \$44,300 | 44,300 |
| June purchases |  |  |  |  |
| 50\% x \$56,800 |  |  | 28,400 | 28,400 |
| Total cash |  |  |  |  |
| disbursements | \$40,000 | \$72,300 | \$72,700 | \$185,000 |

## The Direct Labor Budget

- At Royal, each unit of product requires 0.05 hours of direct labor.
- The Company has a "no layoff" policy so all employees will be paid for 40 hours of work each week.
- In exchange for the "no layoff" policy, workers agreed to a wage rate of $\$ 10$ per hour regardless of the hours worked (No overtime pay).
- For the next three months, the direct labor workforce will be paid for a minimum of 1,500 hours per month.
- Let's prepare the direct labor budget.


## The Direct Labor Budget

Production
Direct labor hours
Labor hours required
Guaranteed labor hours
Labor hours paid
Wage rate
Total direct labor cost


## The Direct Labor Budget

Production
Direct labor hours
Labor hours required
Guaranteed labor hours
Labor hours paid
Wage rate
Total direct labor cost

## The Direct Labor Budget

Production
Direct labor hours
Labor hours required
Guaranteed labor hours
Labor hours paid
Wage rate
Total direct labor cost


Higher of labor hours required or labor hours guaranteed

## The Direct Labor Budget

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Production | 26,000 | 46,000 | 29,000 | 101,000 |
| Direct labor hours | 0.05 | 0.05 | 0.05 | 0.05 |
| Labor hours required | 1,300 | 2,300 | 1,450 | 5,050 |
| Guaranteed labor hours | 1,500 | 1,500 | 1,500 |  |
| Labor hours paid | 1,500 | 2,300 | 1,500 | 5,300 |
| Wage rate | \$ 10 | \$ 10 | \$ 10 | \$ 10 |
| Total direct labor cost | \$ 15,000 | \$ 23,000 | \$ 15,000 | \$ 53,000 |

## Quick Check $\downarrow$

What would be the total direct labor cost for the quarter if the company follows its no lay-off policy, but pays $\$ 15$ (time-and-a-half) for every hour worked in excess of 1,500 hours in a month?
a. $\$ 79,500$
b. $\$ 64,500$
c. $\$ 61,000$
d. $\$ 57,000$

## Quick Check $\sqrt{ }$

What would be the total direct labor cost for the quarter if the company follows its no lay-off policy, but pays $\$ 15$ (time-and-a-half) for every hour worked in excess of 1,500 hours in a month?
a. $\$ 79,500$

|  | April | May | June | Quarter |
| :--- | :--- | :--- | :--- | :--- | ---: |
| Labor hours required | 1,300 | 2,300 | 1,450 |  |
| Regular hours paid | 1,500 | $\underline{1,500}$ | 1,500 | 4,500 |
| Overtime hours paid | - | 800 | - | 800 | c. $\$ 61,000$

d. $\$ 57,000$

| Total regular hours | 4,500 | $\$ 10$ | $\$ 45,000$ |
| :--- | ---: | ---: | ---: |
| Total overtime hours | 800 | $\$ 15$ | $\$ 12,000$ |
| $\quad$ Total pay |  |  | $\underline{\$ 57,000}$ |

## Manufacturing Overhead Budget

- Royal Company uses a variable manufacturing overhead rate of $\$ 1$ per unit produced.
- Fixed manufacturing overhead is $\$ 50,000$ per month and includes $\$ 20,000$ of noncash costs (primarily depreciation of plant assets).


## - Let's prepare the manufacturing overhead budget.

## Manufacturing Overhead Budget



## Manufacturing Overhead Budget

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Production in units | 26,000 | 46,000 | 29,000 | 101,000 |
| Variable mfg. OH rate | \$ 1 | \$ | \$ | \$ 1 |
| Variable mfg. OH costs | \$ 26,000 | \$ 46,000 | \$ 29,000 | \$ 101,000 |
| Fixed mfg. OH costs | 50,000 | 50,000 | 50,000 | 150,000 |
| Total mfg. OH costs | 76,000 | 96,000 | 79,000 | 251,000 |

Less noncash costs
Cash disbursements
for manufacturing OH

## Manufacturing Overhead Budget

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Production in units | 26,000 | 46,000 | 29,000 | 101,000 |
| Variable mfg. OH rate | \$ 1 | \$ | \$ | \$ 1 |
| Variable mfg. OH costs | \$ 26,000 | \$ 46,000 | \$ 29,000 | \$ 101,000 |
| Fixed mfg. OH costs | 50,000 | 50,000 | 50,000 | 150,000 |
| Total mfg. OH costs | 76,000 | 96,000 | 79,000 | 251,000 |
| Less noncash costs | 20,000 | 20,000 | 20,000 | 60,000 |

Cash disbursements
for manufacturing OH $\$ 56,000 \xlongequal{\$ 76,000} \xlongequal{\$ 59,000} \xlongequal{\$ 191,000}$

## Depreciation is a noncash charge.

## Ending Finished Goods Inventory Budget

- Now, Royal can complete the ending finished goods inventory budget.
- At Royal, manufacturing overhead is applied to units of product on the basis of direct labor hours.
- Let's calculate ending finished goods inventory.


## Ending Finished Goods Inventory Budget

Production costs per unit Direct materials
 Direct labor Manufacturing overhead

Budgeted finished goods inventory
Ending inventory in units
Unit product cost
Ending finished goods inventory

## Direct materials budget and information

## Ending Finished Goods Inventory Budget

| Production costs per unit | Quantit |  | Cost | Total |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Direct materials | 5.0 | lbs. | \$ 0.40 | \$ | 2.00 |
| Direct labor | 0.0 | hrs. | \$10.00 |  | 0.50 |

Manufacturing overhead

Budgeted finished goods inventory
Ending inventory in units
Unit product cost
Ending finished goods inventory

## Direct labor budget

## Ending Finished Goods Inventory Budget



| Total mfg. OH for quarter $\quad \$ 251,000$ |
| :--- | :--- |
| Total labor hours required $5,050 \mathrm{hrs}$. |$=\$ 49.70$ per hr.*

$\square$

## Quick Check $\checkmark$

What is the value of the ending finished goods inventory?
a. $\$ 9,980$
b. $\$ 24,950$
c. $\$ 57,385$
d. $\$ 49,900$

## Quick Check $\checkmark$

What is the value of the ending finished goods inventory?
a. \$ 9,980
b. $\$ 24,950$
c. $\$ 57,385$
d. $\$ 49,900$

## Ending Finished Goods Inventory Budget



Budgeted finished goods inventory
Ending inventory in units
Unit product cost
Ending finished goods inventory
Production Budget

## Selling and Administrative Expense Budget

- At Royal, variable selling and administrative expenses are $\$ 0.50$ per unit sold.
- Fixed selling and administrative expenses are \$70,000 per month.
- The fixed selling and administrative expenses include \$10,000 in costs - primarily depreciation that are not cash outflows of the current month.

Let's prepare the company's selling and administrative expense budget.

## Selling and Administrative Expense Budget

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Budgeted sales | 20,000 |  |  |  |
| Variable selling and admin. rate | \$ 0.50 |  |  |  |
| Variable expense | \$10,000 |  |  |  |
| Fixed selling and admin. expense | 70,000 |  |  |  |
| Total expense | 80,000 |  |  |  |
| Less noncash expenses | 10,000 |  |  |  |
| Cash disbursements for selling \& admin. | \$ 70,000 |  |  | $?$ |

## Quick Check $\checkmark$

What are the total cash disbursements for selling and administrative expenses for the quarter?
a. \$180,000
b. $\$ 230,000$
c. $\$ 110,000$
d. \$ 70,000

## Quick Check $\sqrt{ }$

What are the total cash disbursements for selling and administrative expenses for the quarter?
a. $\$ 180,000$
b. $\$ 230,000$
c. $\$ 110,000$
d. \$ 70,000

## Selling and Administrative Expense Budget

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Budgeted sales | 20,000 | 50,000 | 30,000 | 100,000 |
| Variable selling and admin. rate | \$ 0.50 | \$ 0.50 | \$ 0.50 | \$ 0.50 |
| Variable expense | \$10,000 | \$25,000 | \$15,000 | \$ 50,000 |
| Fixed selling and admin. expense | 70,000 | 70,000 | 70,000 | 210,000 |
| Total expense | 80,000 | 95,000 | 85,000 | 260,000 |
| Less noncash expenses | 10,000 | 10,000 | 10,000 | 30,000 |
| Cash disbursements for selling \& admin. | \$70,000 | \$85,000 | \$75,000 | \$230,000 |

## The Cash Budget

## Royal:

- Maintains a $16 \%$ open line of credit for \$75,000.
- Maintains a minimum cash balance of \$30,000.
- Borrows on the first day of the month and repays loans on the last day of the month.
- Pays a cash dividend of $\$ 49,000$ in April.
- Purchases $\$ 143,700$ of equipment in May and $\$ 48,300$ in June paid in cash.
- Has an April 1 cash balance of $\$ 40,000$.


## The Cash Budget



## The Cash Budget



## The Cash Budget

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Beginning cash balance | \$ 40,000 |  |  |  |
| Add cash collections | 170,000 |  |  |  |
| Total cash available | 210,000 |  |  |  |
| Less disbursements |  | Because Royal maintains a cash balance of $\$ 30,000$, the company must borrow on its line-of-credit |  |  |
| Materials | 40,000 |  |  |  |
| Mfg. overhead | 56,000 |  |  |  |
| Selling and admin. | 70,000 |  |  |  |
| Equipment purchase Dividends | 49,000 |  |  |  |
| Total disbursements | 230,000 |  |  |  |
| Excess (deficiency) of cash available over disbursements |  |  |  |  |

## Financing and Repayment



## The Cash Budget

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Beginning cash balance | \$ 40,000 | \$ 30,000 |  |  |
| Add cash collections | 170,000 | 400,000 |  |  |
| Total cash available | 210,000 | 430,000 |  |  |
| Less disbursements |  |  |  |  |
| Materials | 40,000 | 72,300 |  |  |
| Direct labor | 15,000 | 23,000 |  |  |
| Mfg. overhead | 56,000 | 76,000 |  |  |
| Selling and admin. | 70,000 | 85,000 |  |  |
| Equipment purchase | - | 143,700 |  |  |
| Dividends | 49,000 | - |  |  |
| Total disbursements | 230,000 | 400,000 |  |  |
| Excess (deficiency) of cash available over disbursements | \$ $(20,000)$ | \$ 30,000 |  |  |

## Financing and Repayment

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Excess (deficiency) of Cash available over disbursements | \$(20,000) | \$30,000 |  |  |
| Financing: |  |  |  |  |
| Borrowing | 50,000 | - |  |  |
| Repayments | - | - |  |  |
| Interest | - | - |  |  |
| Total financing | 50,000 | - |  |  |
| Ending cash balance | \$ 30,000 | \$30,000 |  |  |

Because the ending cash balance is exactly $\$ 30,000$, Royal will not repay the loan this month.

## Quick Check $\checkmark$

What is the excess (deficiency) of cash available over disbursements for June?
a. $\$ 85,000$
b. $\$(10,000)$
c. $\$ 75,000$
d. $\$ 95,000$

## Quick Check $\sqrt{ }$

What is the excess (deficiency) of cash available over disbursements for June?
a. $\$ 85,000$
b. $\$(10,000)$
c. \$75,000
d. $\$ 95,000$

## The Cash Budget

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Beginning cash balance | \$ 40,000 | \$ 30,000 | \$ 30,000 | \$40,000 |
| Add cash collections | 170,000 | 400,000 | 335,000 | 905,000 |
| Total cash available | 210,000 | 430,000 | 365,000 | 945,000 |
| Less disbursements |  |  |  |  |
| Materials | 40,000 | 72,300 | 72,700 | 185,000 |
| Direct labor | 15,000 | 23,000 | 15,000 | 53,000 |
| Mfg. overhead | 56,000 | 76,000 | 59,000 | 191,000 |
| Selling and admin. | 70,000 | 85,000 | 75,000 | 230,000 |
| Equipment purchase | - | 143,700 | 48,300 | 192,000 |
| Dividends | 49,000 | - | - | 49,000 |
| Total disbursements | 230,000 | 400,000 | 270,000 | 900,000 |
| Excess (deficiency) of cash available over disbursements | \$(20,000) | \$30,000 | \$95,000 | \$45,000 |

## The Cash Budget

| Beginning cash balance | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
|  | \$ 40,000 | \$ 30,000 | \$ 30,000 | \$40,000 |
| Add cash collections | 170,000 | 400,000 | 335,000 | 905,000 |
| Total cash available Less disbursements | 210,000 | 430,000 | 365,000 | 945,000 |
|  |  |  |  |  |
| Materials | 40,000 | 72,300 | 72,700 | 185,000 |
| Direct labor | 15,000 | 23,000 | 15,000 | 53,000 |
| Mfg. overhead | 56,000 | 76,000 | 59,000 | 191,000 |
| Selling and <br> Equipment <br> DividendsAt the <br> to repay | At the end of June, Royal has enough cash to repay the $\$ 50,000$ loan plus interest at $16 \%$. |  |  |  |
| Total disbursements | 230,000 | 400,000 | 270,000 | 900,000 |
| Excess (deficiency) of cash available over disbursements | \$(20,000) | \$30,000 | \$95,000 | \$45,000 |

## Financing and Repayment

|  | April | May | June | Quarter |
| :---: | :---: | :---: | :---: | :---: |
| Excess (deficiency) of Cash available over disbursements | \$(20,000) | \$30,000 | \$95,000 | \$45,000 |
| Financing: |  |  |  |  |
| Borrowing | 50,000 | - | - | 50,000 |
| Repayments | - | - | $(50,000)$ | $(50,000)$ |
| Interest | - | - | $\lambda(2,000)$ | $(2,000)$ |
| Total financing | 50,000 | - | $(52,000)$ | $(2,000)$ |
| Ending cash balance | \$ 30,000 | \$30,000 | \$43,000 | \$43,000 |
| \$50,000 $\times 16 \% \times 3 / 12=\$ 2,000$ |  |  |  |  |
| Borrowings on April 1 and |  |  |  |  |

## The Budgeted Income Statement



## After we complete the cash budget, we can prepare the budgeted income statement for Royal.

## The Budgeted Income Statement

## Royal Company <br> Budgeted Income Statement For the Three Months Ended June 30

Sales (100,000 units @ \$10)
Cost of goods sold (100,000 @ \$4.99) Gross margin Selling and administrative expenses Operating income Interest expense
Net income
\$1,000,000
499,000
501,000
260,000
241,000
2,000
\$ 239,000

## The Budgeted Balance Sheet

Royal reported the following account balances prior to preparing its budgeted financial statements:

* Land - \$50,000
* Common stock - \$200,000
* Retained earnings - \$146,150


## Royal Company Budgeted Balance Sheet June 30

Current assets
Cash
Accounts receivable
Raw materials inventory
Finished goods inventory
Total current assets
Property and equipment
25\%of June sales of \$300,000

Land
Equipment (assumed)
Total property and equipment
Total assets

Accounts payable
Common stock
Retained earnings
Total liabilities and equities


## Royal Company Budgeted Balance Sheet June 30

Current assets
Cash
Accounts receivable Raw materials inventory
Finished goods inventory
Total current assets
Property and equipment
Land
Equipment (assumed)
Total property and equipment
Total assets

Accounts payable
Common stock
Retained earnings
Total liabilities and equities


## End of Chapter 7



