

## Lower of Cost or Market (LCM)

## REMEMBER CONSERVATISM!

The general rule is that
The historical cost principle is abandoned when the future utility (revenueproducing ability) of the asset is no longer as great as its original cost

Note "abandoned" is not the word I would choose. Good rule of thumb is that historical Note "abandoned" is not the word I would ch
cost should be adjusted for impairments.
New Term: Net Realizable Value (NRV)= normal selling price less costs to sell
HOW IT WORKS-
Inventory is recorded at the LOWER of cost or market where:

- Cost (easy, what you have on the balance sheet if you don't do anything)
- Market= replacement cost, but can not be:
" Greater than NRV (ceiling)
Market Value Stated another way: market value is the middle value of replacement cost, NRV and NRV less normal profit margin.



## Lower of Cost or Market Example

Grant Wood Company manufactures desks. Most of the company's desks are standard models and are sold on the basis of catalog prices. At December 31, 2002, the following finished desks appear in the company's inventory:

| Finished Desks | A | B | C | D |
| :--- | ---: | ---: | ---: | ---: |
| 2002 catalog selling price | $\$ 450$ | $\$ 480$ | $\$ 900$ | $\$ 1,050$ |
| FIFO cost per inventory (12/31/02) | 470 | 450 | 830 | 960 |
| Est. cost to manufacture (12/31/02) | 460 | 440 | 610 | 1,000 |
| Sale commissions and disposal costs | 45 | 60 | 90 | 130 |
| 2003 catalog selling price | 500 | 540 | 900 | 1,200 |

The 2002 catalog was in effect through November 2002, and the 2003 catalog is effective as of December 1, 2002. All catalog prices are net of the usual discounts. Generally, the company attempts to obtain a $20 \%$ gross margin on selling price and has usually been successful in doing so.

## Can use allowance or direct method:

ALLOWANCE:

- Separate line on balance sheet to show "inventory allowance"
- Separate line on income statement to show "loss on inventory"

DIRECT:

- Charge directly to inventory, no allowance on balance sheet
- Charge directly to COS, no line for "loss on inventory" in the income statement.



## GROSS PROFIT METHOD

Backs into inventory using a rollforward and estimating the cost of goods sold by reducing sales by the profit.

- Company has sales of $\$ 100,000$ and normal profit margin of $10 \%$, so they make the following entry:

$$
\text { A/R } \quad \$ 100,000
$$

Sales $\$ 100,000$
COS \$90,000
Inventory \$90,000

- Not normally acceptable for financial reporting purposes, but sometimes practical for interim reporting.


## Retail Inventory Variations

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Textbook Illustrates:
- LCM Method (conventional retail)
    Computes cost ratio after markups (and markup cancellations) only
        **More conservative, excluding markdowns from ratio results in greater cos
    - Cost Method (average cost)
            Computes cost ratio after both markups AND markdowns (and cancellations to both)
Appendix 9A
- LIFO retail at cost with stable prices (LIFO retail) COVERED- computes ratio
    after BOTH M-ups and M-downs
    NOT COVERED AND STUDENTS NOT RESPONSIBLE FOR IN THIS CLASS:
    - LIFO at cost with fluctuating prices (dollar-value LIFO retail)
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## Retail Inventory Method

- Provides an estimate of ending inventory without a physical count.
- Produces estimates that may be acceptable for financial statement (reporting) purposes.



## Retail Inventory Example

Jared Jones Inc. uses the retail inventory method to estimate ending inventory for its monthly financial statements. The following data pertain to a single department for the month of October 2002:


Prepare a schedule computing ending inventory using the (1) cost, (2) conventional (LCM), and (3) LIFO retail methods.


## Appraisal of Retail Inventory Method

Method permits:

- the computation of net income without a physical count of inventory
- a control measure in determining inventory shortages.
- regulation of quantities of merchandise on hand.
- information needed for insurance purposes.


## SPECIAL ITEMS

The following chart will help you remember how to treat certain items when applying the various retail inventory methods:

- Multiple items purchased together, cost is assigned by allocating cost using relative proportion of estimated selling price.
Purchase Commitments:
- Because it is "executory" in nature (both $\rightarrow$ Ereigh cosis coct



## SPECIAL ITEMS ILLUSTRATION

Illustration 9-22 in chapter 9.
Based on the below facts, compute Conventional retail inventory:

- Beginning inventory $\$ 1,000$ at cost $\$ 1,800$ at retail;
- Purchases at $\$ 30 \mathrm{k}$ and $\$ 60 \mathrm{k}$ at cost and retail, respectively;
- Freight in $\mathbf{\$ 6 0 0}$;
- Purchase returns of \$1,500 and \$3,000 at cost and retail, respectively;
- Markups \$9,000;
- Abnormal shortage \$1,200 and \$2,000 at cost and retail, respectively;
- Net markdowns \$1,400
- Sales $\$ 36,000$
- Sales returns $\$ 900$
- Employee discounts \$800
- Normal shortage \$1,300

Slide 9-19

## METHODS COVERED

## - FIFO=LISH

- LIFO=FISH
- SPEC. IDENTIFICATION- COMPUTER TRACKING
- AVERAGE COST
- DOLLAR VALUE LIFO=D.S.M.A (Strips out effects of increasing costs in applying LIFO)
- RETAIL METHODS (Relies on Retail Tracking and cost:retail ratio to "back into" ending inventory)
- Conventional/ LCM= M-Ups only
- Cost/ Average Cost $=\mathrm{M}$-ups and M -downs, less conservative than "conventional retail
- LIFO Retail= Use retail method but determine ratios in "Layers" hence LIFO method. Uses M-ups AND M-downs
- Gross Profit= NOT GAAP, but sufficient for internal management reporting.


Slide 9-22
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