- Accounting Principles

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Recap the last class

- Financial Statements:
 - Statement of Financial Position(Balance Sheet, B/S)
 - Statement of Comprehensive Income (Profit and Loss statement, P/L, P&L)
 - Statement of Changes in Equity
 - Statement of Cash Flows
 - Notes

Recap the last class

- Rules:
 - Natural law
 - Man-made rules
- Accounting rules (GAAP, Generally Accepted Accounting Principles)
 - IFRS, K-IFRS, K-GAAP, etc.
 - Let's find some:

https://www.google.com/

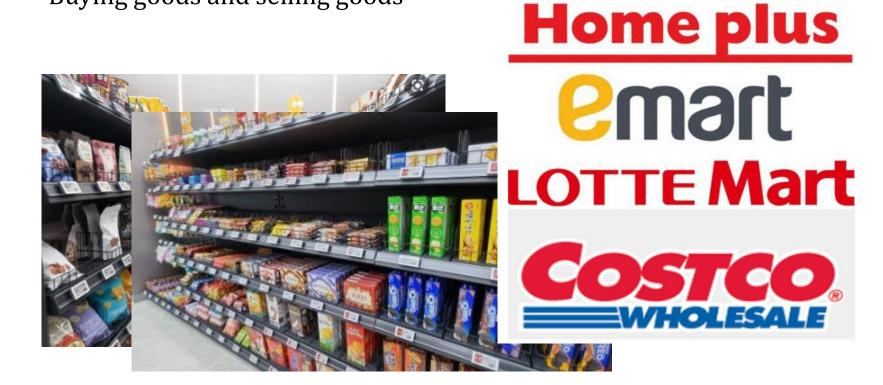
(http://www.kasb.or.kr/fe/accstd/NR list.do?sortCd=K-IFRS&divCd=01)

(https://www.ifrs.org/issued-standards/ |

Any Questions?

Merchandising Firms:

- Buying goods and selling goods



When they buy goods:

	45 000	Cl-	ф г 000
Inventory	\$5,000	Cash	\$5,000

When they sell all the goods:

Cash	\$8,000	Revenue	\$8,000
Cost of good	s \$5,000	Inventory	\$5,000

→ What if they sell just half of the goods?

What if they bought goods multiple times?

The ABC OIL started its business on 20X2. 1.10.
This is a gasoline station, and it sells only one type of gasoline.
It has bought gasolines from its suppliers.

Date	Amounts (liters)	Unit price (\$/liter)	Total Value
20X2. 1. 15.	100	20	2,000
20X2. 1. 25.	300	15	4,500
20X2. 2. 20.	500	18	9,000
20X2. 3. 25.	400	16	6,400

- 20X1. 2. 1. the shop sold 350 liters. How much is the cost of goods?
- 20X1. 2. 26. the shop sold 600 liters. How much is the cost of goods?

Inventory Cost Assumptions

- First-in, first out (FIFO)
 - First purchase amount is the first cost assigned to cost of goods sold
 - Ending inventory is based on the latest purchase amounts
- Last-in, first-out (LIFO)
 - Costing is the opposite of FIFO
 - Last purchase amount goes immediately to cost of goods sold
 - Ending inventory is based on the oldest purchase amount
- Weighted-Average Cost
 - Based on the average unit amount of inventory during the period

First-in, first out (FIFO)

The ABC OIL started its business on 20X2. 1.10.
This is a gasoline station, and it sells only one type of gasoline.
It has bought gasoline from its suppliers.

Date	Amounts (liters)	Unit price (\$/liter)	Total Value
20X2. 1. 15.	100	20	2,000
20X2. 1. 25.	300	15	4,500
20X2. 2. 20.	500	18	9,000
20X2. 3. 25.	400	16	6,400

+ 20X1. 2. 1. the shop sold 350 liters. How much is the cost of goods? 100 * 20

$$+250*15 = 2000 + 3750 = 5,750$$

• 20X1. 3. 26. the shop sold 600 liters. How much is the cost of goods? 50*15

$$+500*18$$

$$+ 50*16 = 750 + 9000 + 800 = 10050$$

First-in, first out (FIFO)

The ABC OIL started its business on 20X2. 1.10.
This is a gasoline station, and it sells only one type of gasoline.
It has bought gasoline from its suppliers.

Date	Amounts (liters)	Unit price (\$/liter)	Total Value
20X2. 1. 15.	100	20	2,000
20X2. 1. 25.	300	15	4,500
20X2. 2. 20.	500	18	9,000
20X2. 3. 25.	400	16	6,400

• 20X1. 2. 1. the shop sold 350 liters. How much is the cost of goods?

Cash	XXX	Revenue	XXXX
Cost of goods	5,750	Inventory	5,750

20X1. 3. 26. the shop sold 600 liters. How much is the cost of goods?

Cash	XXX	Revenue	XXXX
Cost of goods	10,050	Inventory	10,050

Last-in, first-out (LIFO)

The ABC OIL started its business on 20X2. 1.10.
This is a gasoline station, and it sells only one type of gasoline.
It has bought gasoline from its suppliers.

Date	Amounts (liters)	Unit price (\$/liter)	Total Value
20X2. 1. 15.	100	20	2,000
20X2. 1. 25.	300	15	4,500
20X2. 2. 20.	500	18	9,000
20X2. 3. 25.	400	16	6,400

• 20X1. 2. 1. the shop sold 350 liters. How much is the cost of goods? 50 * 20

$$+300*15 = 1000 + 4500 = 5,500$$

$$or 350*16 = 5,600$$

• 20X1. 3. 26. the shop sold 600 liters. How much is the cost of goods?

$$200*18$$

+ $400*16 = 3600 + 6400 = 10,000$

$$or 50*16 + 500*18 + 50*15 = 10,550$$

Last-in, first-out (LIFO)

The ABC OIL started its business on 20X2. 1.10.
This is a gasoline station, and it sells only one type of gasoline.
It has bought gasoline from its suppliers.

Date	Amounts (liters)	Unit price (\$/liter)	Total Value
20X2. 1. 15.	100	20	2,000
20X2. 1. 25.	300	15	4,500
20X2. 2. 20.	500	18	9,000
20X2. 3. 25.	400	16	6,400

20X1. 2. 1. the shop sold 350 liters. How much is the cost of goods?

Cash	XXX	Revenue	XXXX
Cost of goods	5,500	Inventory	5,500

20X1. 3. 26. the shop sold 600 liters. How much is the cost of goods?

Cash	XXX	Revenue	XXXX
Cost of goods	10,000	Inventory	10,000

Weighted-Average Cost

The ABC OIL started its business on 20X2. 1.10.
This is a gasoline station, and it sells only one type of gasoline.
It has bought gasoline from its suppliers.

Date	Amounts (liters)	Unit price (\$/liter)	Total Value
20X2. 1. 15.	100	20	2,000
20X2. 1. 25.	300	15	4,500
20X2. 2. 20.	500	18	9,000
20X2. 3. 25.	400	16	6,400

- 20X1. 2. 1. the shop sold 350 liters. How much is the cost of goods? [(100*20+300*15)/400]*250 = 16.25*250 = 5,687.5
- 20X1. 3. 26. the shop sold 600 liters. How much is the cost of goods? [16.25 * (100+300-350) + 500* 18 + 400 * 16] / (50+500+400) * 600 = 16212.5 / 950 * 600 = 10239.47

Weighted-Average Cost

The ABC OIL started its business on 20X2. 1.10.
This is a gasoline station, and it sells only one type of gasoline.
It has bought gasoline from its suppliers.

Date	Amounts (liters)	Unit price (\$/liter)	Total Value
20X2. 1. 15.	100	20	2,000
20X2. 1. 25.	300	15	4,500
20X2. 2. 20.	500	18	9,000
20X2. 3. 25.	400	16	6,400

20X1. 2. 1. the shop sold 350 liters. How much is the cost of goods?

Cash	XXX	Revenue	XXXX
Cost of goods	5,687.5	Inventory	5,687.5

20X1. 3. 26. the shop sold 600 liters. How much is the cost of goods?

Cash	XXX	Revenue	XXXX
Cost of goods	10,239.47	Inventory	10,239.47

Cost of goods vs. Inventory Balance

The ABC OIL started its business on 20X2. 1.10.
This is a gasoline station, and it sells only one type of gasoline.
It has bought gasoline from its suppliers.

Date	Amounts (liters)	Unit price (\$/liter)	Total Value
20X2. 1. 15.	100	20	2,000
20X2. 1. 25.	300	30	9,000
20X2. 2. 20.	500	70	35,000
Total			46,000

- 20X1. 2. 25. the shop sold 200 liters. How much is the cost of goods?
 - The unit price is increasing rapidly.
- How much is the cost of goods?

4,000 or 14,000 or other?

How much is the inventory balance at the end of February?

42,000 or 32,000 or other?

Inventory Cost Assumptions

- Accounting Rules:
- Man-made rules

- Accounting rules (GAAP, Generally Accepted Accounting Principles)
 - IFRS, K-IFRS, K-GAAP, etc.
 - Let's find some (Is LIFO method allowed in IFRS?):

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https://www.google.com/
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(http://www.kasb.or.kr/fe/accstd/NR list.do?sortCd=K-IFRS&divCd=01)

(https://www.ifrs.org/issued-standards/list-of-standards/)

- Now, you can make journal entries for a merchandising company.
- You can prepare the financial statements for a merchandising company.
 - Statement of Financial Position
 - Statement of Comprehensive Income
 - Statement of Changes in Equity
 - Statement of Cash Flows
 - Notes

Any Questions?