Retail Buying Math Practice from Chapter 2 (worth 8 points)

1. **An item cost a retailer $62.12. If it sold for $125.00, what was the markup percentage?**
   Markup % = 50.3%

2. **An item retails for $150.00. If it cost the store $71.25, what was the markup percentage?**
   Markup % = 52%

3. **At the beginning of the season, a buyer's inventory of socks had a total retail value of $5,600. The socks had cost $2,750. What is the cumulative markup percentage for these socks at the beginning of the season?**
   Cumulative markup % = 50.9%

4. **At the beginning of the season, a buyer purchased 700 scarves for $8,000. A retail price of $20.00 was placed on each scarf. What is the cumulative markup percentage for the scarves at the beginning of the season?**
   Cumulative markup % = 42.9%

5. **At the beginning of the season, a buyer's inventory of white t-shirts had the following values:**
   Total Cost: $5,400
   Total Retail: $10,000
   The following purchase was added to inventory—600 T-shirts costing $3,000. A $12.00 retail price was placed on the T-shirts. What is the cumulative markup percentage to date?
   Cumulative markup % = 51.2%

6. **Beginning inventory for a department is $59,345 at cost and $120,500 at retail. New purchases have been received with a cost of $8,456 and a retail value of $26,112. What is the cumulative markup percentage to date?**
   The cumulative markup percentage to date = 53.6 %

7. **At the beginning of the season, a buyer's inventory of sweatshirts had the following values:**
   Total Cost: $2,433
   Total Retail: $4,500
   Two new purchases have just arrived. 100 sweatshirts costing $25 each will be added to inventory and retail at $55 each. 100 sweatshirts costing $21 each will be added to inventory and retail at $55 each. What is the cumulative markup percentage to date?
   Cumulative Markup Percentage = 54.6%

8. **At the beginning of the season, a buyer's inventory of tank tops had the following values:**
   Total Cost: $765
   Total Retail: $1,750
   Three new purchases have just arrived. Fifty tank tops costing $564 will be retailed at $20. One hundred tank tops costing $1,020 will also be added to inventory at a retail price of $20. Finally, 200 tank tops costing $1,950 will be added to inventory at a retail price of $20. What is the cumulative markup percentage to date?
   Cumulative markup percentage to date = 50.9%

Retail Buying Math Practice from Chapter 3 (22 points)

1. **During the month, net sales for a menswear store were $215,768. Cost of goods sold was $105,800, and operating expenses totaled $80,980. What profit (before taxes) was achieved by the store for the month? (1 point)**

   Profit _____$28,988_____

2. **Based on the income profit/loss statement that follows, calculate the percentage that each element represents. (5 points)**

Sales	**$567,100**	**100_____%**
Cost of Goods Sold	**$251,000**	**44.3_____%**
Gross Margin	**$316,100**	**55.7_____%**
Operating Expenses	**$285,500**	**50.4_____%**
Profit/Loss	**$ 30,600**	**5.40_____%**

3. **A store has the following figures available: sales were $220,000; cost of goods sold were $160,000; and operating expenses were $70,000. Calculate gross margin and profit for this store. (2 points)**
   a. **Gross Margin: _____60,000_____**
   b. **Profit: _____-10,000_____**

4. **Based on the information that follows, calculate the components of and income/profit or loss statement as a dollar amount and as a percentage. (7 points)**

Sales	**$250,000**	**___100____ %**
Cost of Goods Sold	**$118,500**	**___47.4%__%**
Operating Expenses	**$105,200**	**___42.1____%**
Gross Margin	**$131,500**	**___52.6____%**
Profit/Loss	**$26,300**	**___10.5____%**

5. **Based on the information that follows, calculate the components of and income/profit or loss statement as a dollar amount and as a percentage. (7 points)**

Sales	**$600,253**	100_____%
Cost of Goods Sold	**$301,112**	50.2 ____%
Operating Expenses	**$256,825**	42.8 ____%
Gross Margin	$299,141	49.8 ____%
Profit/Loss	$ 42,316	7.1 ____%