1. For agreeing to purchase a power drill for your company, the distributor will give you a 35% trade discount. What was the net price of the power drill if the list price was $150?

2. If you received a discount of $435 from a trade discount of 42%, what was the net price of the item?

3. If the list price on an item is $450 and the net price that you paid was $375, what rate of trade discount did you receive?

4. A competing company sells their product for $56 less a trade discount of 15%. What rate of discount would you have to use to reduce your product down to match your competitor’s price if your list price was $60?

5. You have just purchased an item on credit for $645 on May 16th. If you receive credit terms of 3/5, 2/10, n/30, what amount would you have to pay to settle the debt on:
   a. May 21st,
   b. May 26th
   c. June 15th?

6. On June 3rd you purchase a piece of machinery for your business. The item cost you $1999 with the following credit terms: 2/10, 1/20, n/30. If you make a payment of $475 on June 13th and $350 on June 23rd, what is left owing for the final payment on July 3rd?

7. You have three debts outstanding and you decide to pay all three on August 22nd. The three debts all have terms of 2/10, n/30. The three debts are: 1) you owe $425 from July 22nd, 2) you owe $235 from August 12th and 3) you owe $125 from a purchase on August 20th. How much would you have to pay to settle all three debts on August 22nd?

Academic Success Centre
https://rrclibrary.libguides.com/ASC_STEM_Centre/Math_1051
These questions are compiled by Michael Reimer for the Academic Success Centre.
8. You have just purchased boots at a cost of $5 per pair and you decide to markup the boots at a rate of 35% based on cost.

A. What is the selling price of the boots?
B. What is the rate of mark up based on selling price?

9. You decide you are going to sell shirts in your store for $20 each. If the markup is 25% of cost, what was the cost of the shirts?

10. You are selling ties in your store for $45 each. If markup was 37.5% of selling price, what was the cost of the ties?

11. You have just purchased coats for $85 each less a trade discount of 25%. If you decide to mark the coats up 55% of selling price.

A. What is the selling price of these coats?
B. What is the rate of markup based on cost?

12. You purchase jeans from a nationally known manufacturer for $89 less a 22.5% trade discount. If overhead expenses are 25% of the selling price and we require a profit of 35% of selling price.

A. What is the selling price of the jeans?
B. What would be the break even selling price for the jeans?

13. A television store had purchased televisions for $599. The store had marked them up by 45% of cost. Since the television store has now brought in this year’s televisions they are now forced to sell off the older televisions. If the selling price is reduced by 35%, what is the reduced price on the LCD televisions?