# Day - 2

1. A shopkeeper sells a watch at a 20% discount on the marked price and still earns a profit of 25%. If the cost price of the watch is Rs 400, what is the marked price of the watch?

2. A company sells a product at a 10% profit. Due to an increase in the cost price, the company decides to increase the selling price by 20%. What is the new profit percentage?

3. A trader buys 100 kilograms of rice for Rs 200. He sells 60 kilograms of rice at a profit of 20% and the remaining at a loss of 10%. What is the overall profit or loss percentage?

4. A manufacturer sells a product to a retailer at a 30% profit, and the retailer sells it to a customer at a 20% profit. If the customer pays Rs 1,200 for the product, what is the cost price for the manufacturer?

5. A person sells a bicycle at a loss of 20%. If he had sold it for Rs 300 more, he would have made a profit of 10%. What is the cost price of the bicycle?

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1. In a row of 10 chairs, Tom is sitting two chairs away from Mary. If Sam is sitting next to Tom, who is sitting exactly in the middle of the row?
   a) Sam
   b) Tom
   c) Mary
   d) None of the above

2. Five friends, Alex, Ben, Chris, Dan, and Eric, are sitting in a row. Alex is sitting between Ben and Chris. Eric is sitting at one end. Who is sitting next to Eric?
   a) Ben
   b) Chris
   c) Alex
   d) Dan

3. If Tom is the son of Mary's brother, what is the relationship of Mary to Tom?
   a) Aunt
   b) Mother
   c) Sister
   d) Grandmother

4. John's sister is married to David's brother. What is John's relationship to David?
   a) Brother-in-law
   b) Nephew
   c) Cousin
   d) None of the above

5. Arrange the following words in alphabetical order:
   Apple, Banana, Carrot, Apricot
   a) Apple, Apricot, Banana, Carrot
   b) Apricot, Apple, Banana, Carrot
   c) Apple, Banana, Carrot, Apricot
   d) Apricot, Banana, Apple, Carrot

6. If A = 1, B = 2, C = 3, and so on, what is the sum of the numerical values of the letters in the word "OPEN"?
   a) 34
   b) 44
   c) 52
   d) 60

7. Five students - Alex, Ben, Chris, Dan, and Eric - have scored the following marks: 80, 85, 90, 75, and 95, but not necessarily in that order. If Alex scored more than Ben but less than Eric, who scored the highest marks?
   a) Alex
   b) Ben
   c) Chris
   d) Eric

8. If "B" represents "+", "C" represents "-", "D" represents "*", and "E" represents "/", what is the result of the following expression?
   10 B 2 C 4 D 3 E 6
   a) 12
   b) 14
   c) 16
   d) 18

9. Arrange the following numbers in descending order:
   25, 11, 33, 17, 29
   a) 33, 29, 25, 17, 11
   b) 33, 29, 17, 25, 11
   c) 33, 29, 17, 11, 25
   d) 33, 25, 29, 17, 11

10. If "X" represents 5, "Y" represents 9, and "Z" represents 7, what is the value of "XYZ + YZX"?
    a) 747
    b) 899
    c) 959
    d) 989

1. Calculate the fibonacci series (First **n** numbers).
2. Write a program to reverse the words in a given sentence.

    **Example**:
    **Input**: "Hello World"
    **Output**: "World Hello"