Formulas

Profit, Loss, Discount and Different Prices

1.	$Profit = SP - CP$
2.	$Loss = CP - SP$
3.	$Profit\% = \frac{Profit}{CP} \times 100$
4.	$Loss\% = \frac{Loss}{CP} \times 100$
5.	$SP = (\frac{100 + Profit\%}{100}) \times CP$
6.	$CP = (\frac{100}{100 + Profit\%}) \times SP$
7.	$SP = (\frac{100 - Loss\%}{100}) \times CP$
8.	$CP = (\frac{100}{100 - Loss\%}) \times SP$

9.	$Discount = MP - SP$
10.	$SP = MP - Discount$
11.	$MP = SP + Discount$
12.	$SP = (\frac{100 - Discount\%}{100}) \times MP$
13.	$MP = (\frac{100}{100 - Discount\%}) \times SP$
14.	$SP = (\frac{100 - d_1}{100})(\frac{100 - d_2}{100})(\frac{100 - d_3}{100}) \times MP$
15.	$Single\ discount\ as\ percent = MP - SP$

Abbreviations:

SP ⇒ selling price
CP ⇒ cost price
MP ⇒ marked price
d ⇒ discount
d_1 ⇒ first discount %age
d_2 ⇒ second discount %age
d_3 ⇒ third discount %age