Profit - Loss

BASICS :

Gain = (Selling Price) - (Cost Price)
Loss = (C.P.) - (S.P.)
Loss or gain is always reckoned on Cost Price

Gain Percentage: (Gain %) = (Gain*cost price)/100
Loss Percentage: (Loss %) = (Loss*cost price)/100

Selling Price = ((100+gain%)/100)*Cost price
Selling Price = ((100-Loss%)/100)*Cost price

If an article is sold at a gain of say 25%, then S.P. = 125% of C.P.
If an article is sold at a loss of say, 25% then S.P. = 75% of C.P.

When a person sells two similar items, one at a gain of say x%, and the other at a loss of x%, then the seller always incurs a loss given by:
 = (common loss and gain)^2 /10

If a trader professes to sell his goods at cost price but uses false weights, then
gain% = (error_wt / (true value-error_wt))/100