Profit and loss Worksheet

Formula sheet:

(1) $\text{Gain} = (\text{S.P.}) - (\text{C.P.})$

(5) $\text{S.P.} = \dfrac{(100 + \text{Gain\%})}{100} \times \text{C.P.}$

(2) $\text{Loss} = (\text{C.P.}) - (\text{S.P.})$

(6) $\text{S.P.} = \dfrac{(100 - \text{Loss\%})}{100} \times \text{C.P.}$

(3) $\text{Gain\%} = \left(\dfrac{\text{Gain} \times 100}{\text{C.P.}} \right)$

(7) $\text{C.P.} = \dfrac{100}{(100 + \text{Gain\%})} \times \text{S.P.}$

(4) $\text{Loss\%} = \left(\dfrac{\text{Loss} \times 100}{\text{C.P.}} \right)$

(8) $\text{C.P.} = \dfrac{100}{(100 - \text{Loss\%})} \times \text{S.P.}$

(9) $\text{Discount \%} = \dfrac{\text{Discount}}{\text{MP}} \times 100\%$

1. The cost price of a table is $1200 and selling price is 5/4 times of his cost price. Find

    (i) Selling price of the table

    (ii) Profit or Loss as a percentage

2. The selling price of 12 eggs is equal to the cost price of 15 eggs. Find the gain per cent.

3. By selling a camera for $2400, Ron loses 4%. At what price must he sell it to gain 12 %.

4. David bought 2 dozen eggs for $ 56. Since 6 of them broke, he incurred a loss of $ 20 on selling them. What was the selling price of one egg?

5. The Cost Price of a chair is $3300. If it is sold at a loss of 10%, find the Selling Price.

6. A person incurs 5% loss by selling a laptop for $1140. At what price should the laptop be sold to earn 5% profit?

7. An article is sold at a certain price. By selling it at 2/3 of that price, one loses 10%. Find the profit percent at original price.

8. Find the cost price of an article when it is sold at a loss of 25% for $ 150.

9. By selling 33 meters of cloth, one gains the selling price of 11 meters. Find the profit percent.