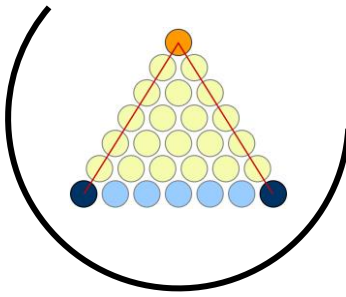


Profit & Loss

Basics



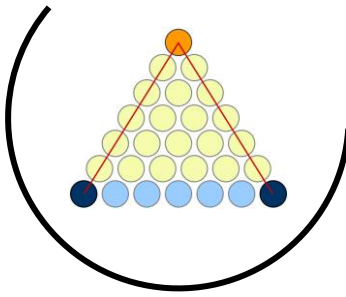
Some Terminology

Cost Price - The price at which we can purchase any article.

Selling Price - The price at which we can sell any article.

Marked Price - The price labeled on the article.





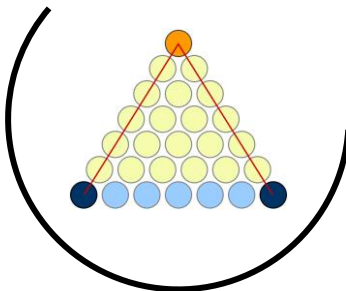
Conditions

1. $C.P < S.P$

1. $C.P > S.P$

1. $C.P = S.P$





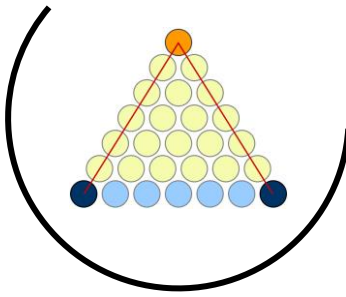
Point no 1

$$\text{Profit / Loss \%} = \frac{(\text{Selling Price} - \text{Cost Price})}{\text{Cost Price}} \times 100$$





A shopkeeper bought a table for ₹900 and sold it for ₹1000. What is the profit percentage?



Point no 2

Whenever cost price of two articles is same and profit and loss % is also same then there will be no profit and no loss.





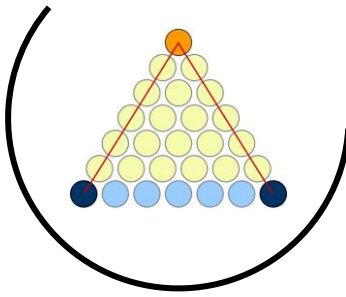
Two articles were bought for ₹ 20,000 and one is sold at 10% profit while other at 10% loss. What is over all profit or loss percentage?



Two articles were bought for same price and one is sold at 10% profit while other at 30% loss. What is over all profit or loss percentage?



Three articles were bought for ₹10000. First one is sold at 20% profit ,second at 15% loss and third at 10% profit. What is over all profit or loss percentage?



Point no 3

Whenever selling price of 2 articles is same and profit and loss is also same then there will be definitely loss .

And that loss% can be written as $(X^2/100)$





Two articles were sold at ₹ 20000 and one is sold at 10% profit while other at 10% loss. What will be overall profit or loss percentage?



If 11 chocolate is bought for ₹10 and 10 chocolate is sold for ₹ 11 what will be profit or loss% ?



The cost price of 18 chocolate is equal to selling price of 12 chocolate, find profit or loss %.



If the selling price of 15 apples is equal to the cost price of 20 apples, find the profit/loss percentage.



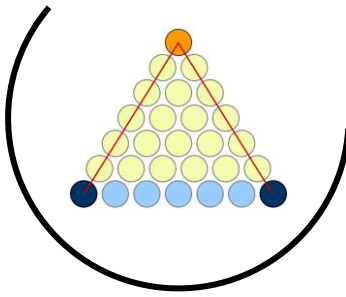
If the profit made by a merchant in selling 30 kg of rice is equal to the selling price of 6 kg of rice, find his profit percentage.



If the loss incurred by a merchant in selling 15 kg of wheat is equal to the cost price of 5 kg of wheat, find the loss percentage.



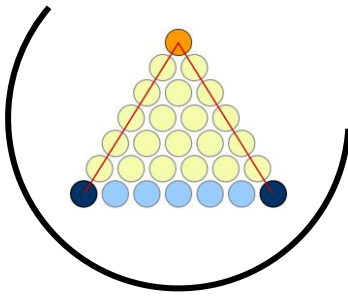
Mohit bought a certain number of calculators at the rate of 12 for ₹4,000 and sold them at the rate of 30 for ₹12,500. Find the profit/loss percentage.



Point no 4

Shopkeeper





Profit Percent





A shopkeeper sells rice. He cheats his customers by giving 200 g less for each kg that he claims to sell. If the shopkeeper sells each kilogram of rice at his cost price (per Kg), find his profit percentage.



A shopkeeper sells rice. He cheats his customers by giving 200 g less for each kg that he claims to sell. If the shopkeeper sells each kilogram of rice at 10% more than his cost price (per Kg), find his profit percentage.

Point no 5

Successive Discount





**On a certain item, two successive discounts of 10% and 20% are given.
Find the overall discount percentage.**

