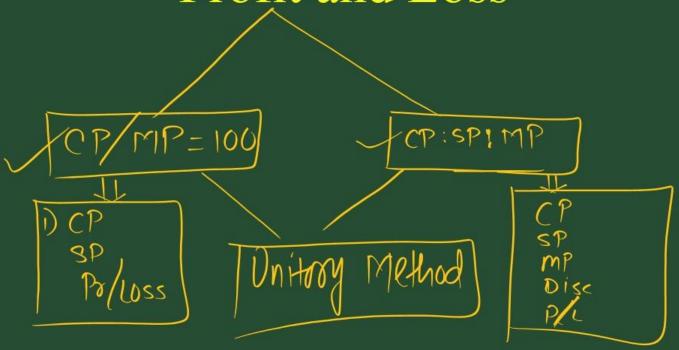
## Profit and Loss

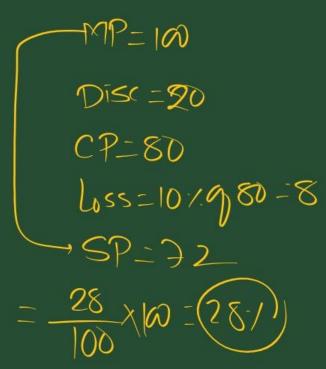


Cost Price	Selling Price	Profit /Loss	Profit/ Loss (%)
1500	2400	90	9 XIO = 60 /
2500	2900	400	25 × 100 = 16×
2800	9450	-350	350 = 12.51
1200	1600	400	12=33\\\
2000	1800	-200	$\frac{2}{20} \times  \omega = 10 \times$
5000	6000	1000	20 %
350	210	140	-40 %
	1440		20 %



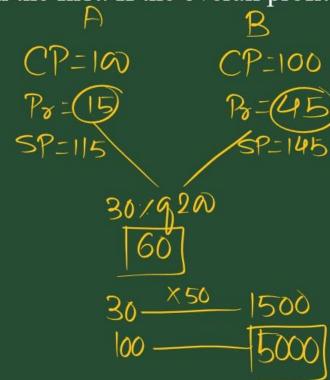
A sold an article with 10% loss on the cost price. He bought the article at a discount of 20% on the labelled price. What would have been the percentage loss had he bought it at the labelled price?

- A) 34%
- B) 18%
- C) Data inadequate
- D) 28% E) 16%



Cost price of two articles is same. One is sold at a profit of 15% and the other for Rs. 1500 more than the first. If the overall profit is 30%. Find the cost price of each article.

- 1. Rs. 4,500
- B) Rs. 5,000 C Rs. 4,800
- D) Rs. 4,600
- E) Rs. 5,400



Ramakant dealing in bedsheets allows 4% discount on the marked price. What price must be marked on a bedsheet that cost Rs. 480 so as to make a profit of 10%?

D) Rs 550
E) None of th

E) None of these

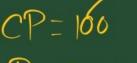
A and B both are dealers of Honda Motorcycles. The price of an used Honda Motorcycle is Rs.28,000. A gives a discount of 10% on whole, while B gives a discount of 12% on the first Rs. 20,000 and 8% on the rest Rs. 8000. What is the difference between their selling prices? A. Rs.240B. Rs.420C. Rs.640D. Rs.740E. None of these)

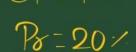
MP=28000 J Dis=2800

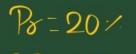
A man buys an article and sells it at a profit of 20%. If he had bought it at 20% less and sold it for Rs. 75 less, he would have gained 25%. What is the

Cost Price of the article?

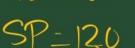
- a) 375 300
- 250
- 275
- 225















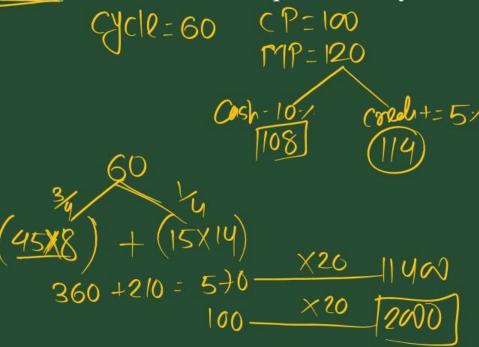
A and B, there are two companies, selling the packs of cold-drinks. For the same selling price A gives two successive discounts of 10% and 25%. While B sells it by giving two successive discounts of 15% and 20%. What is the ratio of their marked price? A. 143: 144B. 19: 11 C. 136: 135 D. 73: 77E. None of these

Ram bought a Swift D'zire car with an exchange offer. The sale price of the car was Rs. 8 lacs. He availed 20% discount from the showroom and then 10% reduction in price for his old car. He spent 10% of the cost on the interiors and stereo system. After a month he sold the car to his friend Dev for Rs. 6.4 lacs. Find his profit or loss percentage into this transaction.

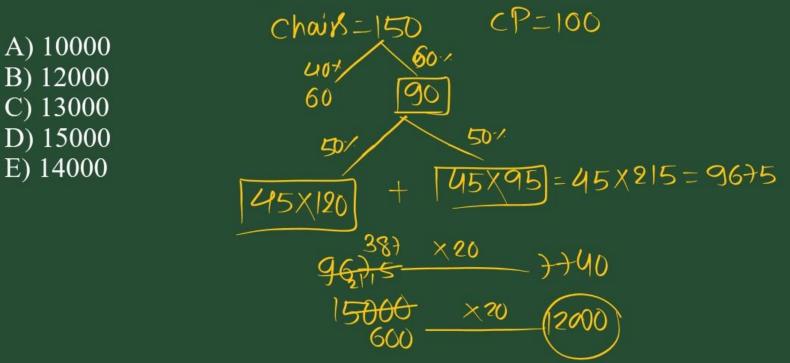
a) 2% 
$$P = 80000$$
  $P = 633600 = CP$   $P = 64000$   $P = 633600 = CP$   $P = 64000$   $P = 633600 = CP$   $P = 64000$   $P = 633600$   $P = 64000$   $P = 64000$ 

A shopkeeper buys 60 cycles and marks them at 20% above the cost price. He allows a discount of 10% on the marked price for cash sale and 5% discount for credit sales. If three-fourth of the cycles are sold at cash and remaining for credit, the total profit be Rs. 11400. What is the cost price of a cycle?

- a) 1000
- b) 1500
- c) 2000 d) 4000
- e) None of these

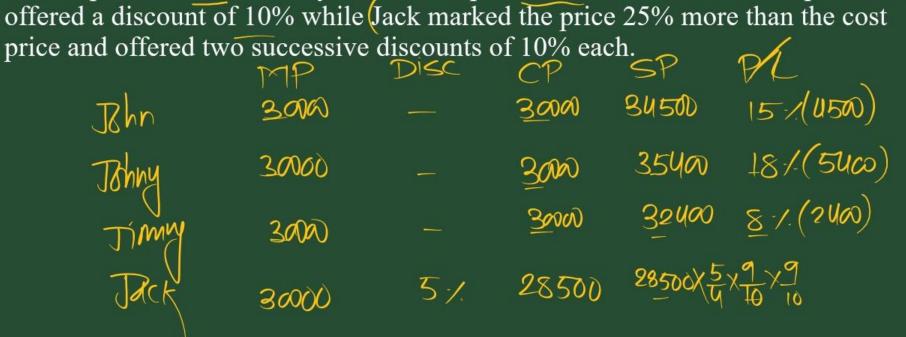


A man purchased 150 chairs, each costing the same, but 40% of them are damaged which cannot be sold. He sold 50% of the remaining at 20% profit each and remaining at 5% loss each. If the total selling price of chairs is Rs. 7740, then what was the total cost price of all chairs?



Caselet:- Ramu and Shyamu decide to sell their cars each at Rs. 36,000. While Ramu decided to give a discount of 8% on the first Rs. 8000, 5% on next Rs. 12000 and 3% on the rest to buyer Shashi. Shyamu decided to give a discount of 7% on the first 12000, 6% on next 8000 and 5% on the rest to buyer Rajesh. These discounts were, however, subject to the buyers making the payment on time failing which the discount gets reduced by 1% for every delay of a week. In each case, the selling price of 36,000 was arrived at by increasing the cost price

Caselet:- Four shopkeepers John, Johny, Jimmy and Jack buy air conditioners (ACs) from the same wholesaler at the same rate. However, this time Jack managed to get a discount of 5% from the wholesaler and got the ACs at the rate of Rs. 28,500 per AC. By selling the ACs, John earns a profit of 15% while Johny earns a profit of 18%. Jimmy marked the price 20% more than the cost price and offered a discount of 10% while Jack marked the price 25% more than the cost price and offered two successive discounts of 10% each.



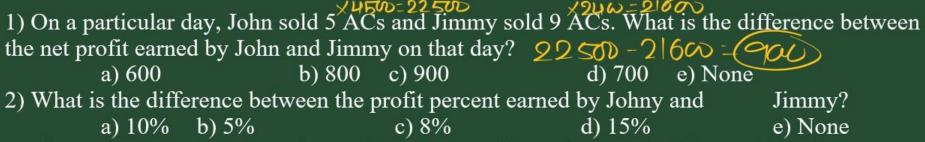
- 1) If each of them got the payments on time, what is the approximate percentage profit of the person getting the higher profit?
- 1. 19% B) 21% C) 25% D) 17% E) 20%
- 2) If Shashi defaults by 1 and 2 weeks in the second and third payments respectively, what would be the profit of Ramu in the sale of the car?
- A) Rs. 5920 B) Rs. 6240 C) Rs. 5860 D) Rs. 5980 E) Rs.

$$Raml = 5480 + 120 + 320 = 5480 + 440$$

$$1 - 12000 - 1/-120$$

$$1 - 16000 - 3.7$$

$$27-370$$



- 3) If you plan to purchase an air conditioner, you will get the best deal from which of the shopkeepers?
- a) John b) Johny c) Jimmy d) Jack e) None
- 4) If Jimmy sells three ACs on a particular day, how much profit did he earn that day?
  - a) Rs. 7,900 b) Rs. 7,200 c) Rs. 8,500 d) Rs. 7,800
- None 5) Which shopkeeper will earn the highest profit % on a day if all of them sell 10 ACs each on

e)

- that day?
  - a) John b) Johny c) Jimmy d) Jack e) None

Caselet DI:- Gauray, a sweet seller, bought some quantity of three types of sweets Rasgulla, Rasmalai and Kalakand in ratio of 6:10:9. Kalakand costed him a total of Rs. 18,900 at rate of 420 per kg. By selling Kalakand at a discount of 5% he earned a profit of On Rasmalai (which was marked Rs. 500 per kg) he earned Rs. 5 less profit per kg as compared to that on Kalakand by selling Rasmalai at 10% discount. Gauray spent a total of Rs. 46,400 on buying these sweets, while he earned a total profit of Rs. 5875 on selling all bought sweets. Rasgullas were marked 40% above cost price per kg.

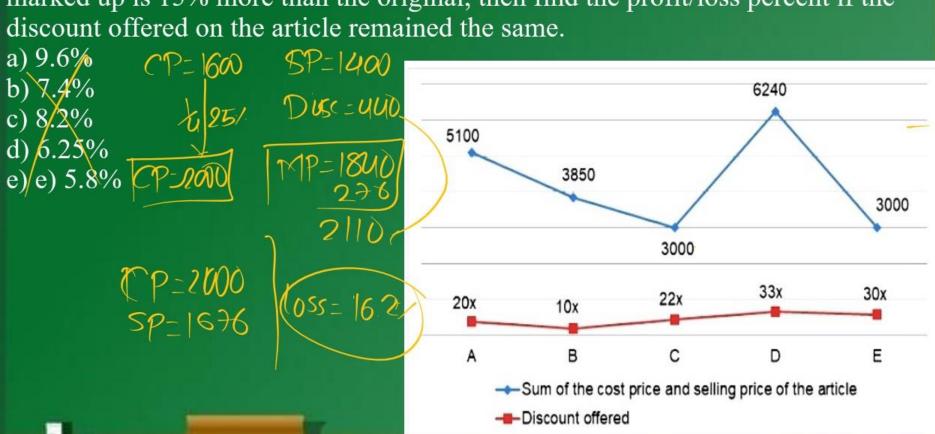
- Find the average cost price of three sweets together?
- If Gaurav gave an extra discount of 20% on Kalakand, then his gain% or loss% was
- Find the total quantity of sweets bought by Gaurav?
- If 10kg of Rasmalai was wasted away due to some reason. Find profit% or loss% by selling the remaining Rasmalai as per given condition.
- Cost price per kg of Kalakand was what percent less than marked price per kg of Kalakand?

The given line graph shows the sum of the cost price and selling price, and the discount offered on five different articles.

The sum of the discounts offered on all these articles is Rs. 2300.



The selling price of article 'C' is Rs. 200 less than its cost price. If the cost price of the article 'C' had been 25% more and the amount by which article C has been marked up is 15% more than the original, then find the profit/loss percent if the discount offered on the article remained the same.

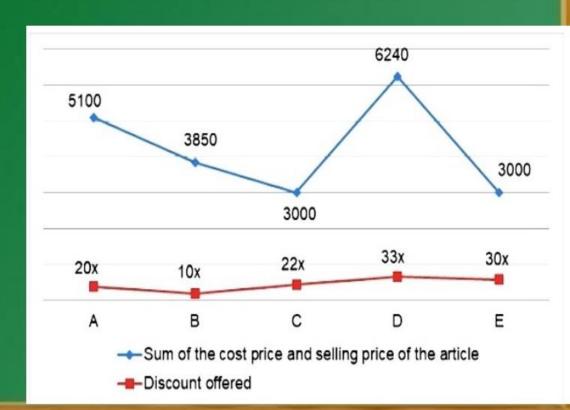


The cost price of the article 'F' is 2.5 times the discount offered on article 'D'. The sum of the selling price and cost price of article 'F' is equal to that of 'E'. If the discount offered on article 'F' is 25% of the sum of the selling price and cost price of article 'B', then find the amount by which article 'F' is marked up. a) Rs. 1080.5 b) Rs. 720 F(CP)=660X2.5-(1650 6240 c) Rs. 740 c) Rs. 740 d) Rs. 612.5 F(CP+SP)=£ 6P+CP) e) Rs. 662.5 F(CP+SP)=3000 100 3850 3000 F(SP)=1350 3000 F(DISC) = 4 B(SP+(P) = 962.5 MP = SP+Dbc = 1350+9625 (23) 10x --- Sum of the cost price and selling price of the article Discount offered

The profit earned on article 'D' is Rs. 240. If the discount offered on article D had been Rs. 390 less then what should be the cost price of the article so that the percentage by which article is marked up above its cost price and the selling price remain the same. P- 6240-240 a) Rs. 2700 b) Rs. 2500 c) Rs. 2300 Disc= 660 d) Rs. 2800 TIP= 3900 6240 SP-3240 5100 MP=32U0+270 e) Rs. 2400 pp = 30/4 3000 3000 33x 30x 22x 20x 10x --- Sum of the cost price and selling price of the article Discount offered

If the article 'B' has been marked up by 20% and then same discount is offered on it then the sum of the selling price and cost price decreases by Rs. 90. Find the percentage by which the article was marked up above its cost price originally.

- a) 40%
- b) 15%
- c) 20% d) 25%
- e) 30%

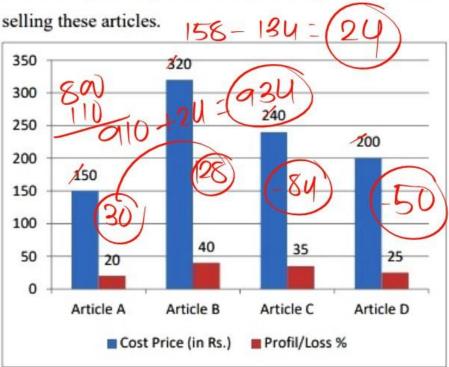


Find the total amount received and the gross profit/loss to the shopkeeper if he has sold article C and D at loss and article A and B at profit.

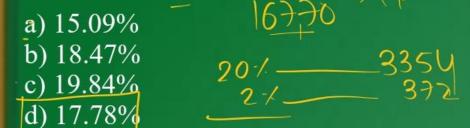
a) Rs. 886 and 2.56% loss b) Rs. 934 and 2.63% profit c) Rs. 846 and 7.03% loss d) Rs. 974 and 7.03% profit e) None of these

Directions (18 - 22): Study the following bar graph carefully and answer the following questions.

A shopkeeper sells four articles A, B, C and D. The Bar graph shows the Cost price (In Rs.) of the articles and Profit/loss percentage realized by the shopkeeper while selling these articles.



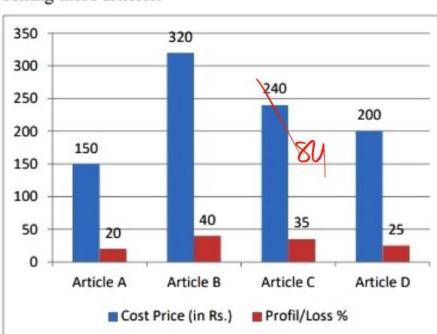
If 35 units of the article A are sold at loss and 48 units of article C are sold at profit then find the overall profit/loss percentage.



e) None of these

Directions (18 – 22): Study the following bar graph carefully and answer the following questions.

A shopkeeper sells four articles A, B, C and D. The Bar graph shows the Cost price (In Rs.) of the articles and Profit/loss percentage realized by the shopkeeper while selling these articles.

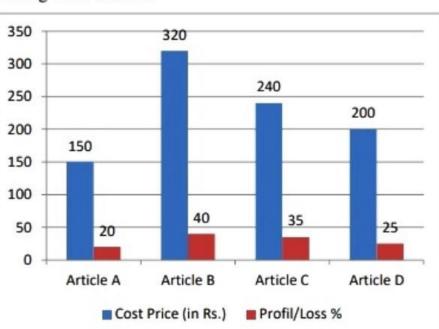


If the selling price of article A is 72% of the selling price of article D then which of the following is correct?

- a) A is sold at profit and D is sold at loss.
- b) Both A and D are sold at loss.
- c) A is sold at loss and D is sold at profit.
- d) Both A and D are sold at profit.
- e) None of these.

Directions (18 – 22): Study the following bar graph carefully and answer the following questions.

A shopkeeper sells four articles A, B, C and D. The Bar graph shows the Cost price (In Rs.) of the articles and Profit/loss percentage realized by the shopkeeper while selling these articles.



In manufacturing a certain item, 40% of the expenditure is on account of raw materials, 20% on account of labour charges, 20% on account to fixed charges and the rest on miscellaneous. The item is solid at a profit of 25%. The price of the raw materials went up by 15% and the labour charges went up by 20% and the cost on the miscellaneous heads went up by 50% while the fixed costs remained unchanged.

- 1) If the selling price remained unchanged, then what is the new profit percentage? A) 2% B) 4% C) 4 1/6 % D) 10% E) 3 1/3%
- 2) If the manufacturer wants a 13 7/11 % profit, then by what percentage should he reduce his expenditure on raw materials (at the increased price) as to achieve that target, the selling price remaining the same?
- a)17 17/23 % b)20 14/23% c) 21 17/23% d)24 14/23 % e)22 13/23%