IEM KOLKATA

PROFIT AND LOSS

Q1) Ajay incurred a loss of 20% by selling a vase for ₹2880. To get a profit of 20% at what price should he sell the vase?

Q2) Ramesh sells paper planes at the rate of 20 planes for ₹1. If he gets profit of 20%, how many planes did he buy with ₹1?

Q3) Uma wants to gain 15% profit on her sale of sugar. She buys 120 kg of sugar at ₹24 per kg to mix with 180kg of sugar bought at ₹28 per kg. She sells the sugar mix at....?

Q4) Rohan buys some oranges in a shop at 4 per rupee. She goes to another shop and buys same number of oranges at 5 per rupee. She then combines them in a basket and sells them at 4 per rupee. Will she get a profit or loss? And how much?

Q5) Ramesh gets a profit of 20% in one trade and suffers a loss of 20% in the second, where he sells 2 cycles for ₹4000 each. What is his profit or loss in the entire trade?

Q6) Simran bought pet food worth ₹56000. She then sold 1/3rd of it incurring a loss of 40%. What profit she must earn on the rest of the supplies to nullify this loss?

Q7) A sold a car to B at a profit of 25%. B incurred loss of 15% while selling the same car to C. A spent ₹50000 for this car. At what price did C buy it?

Q8) A cheater manipulated his weighing machine so that it shows 1 kg for 970 grams. How much profit does he get?

Q9) Rohit got profit of $11\frac{1}{2}$% by selling his old car. However he realized that had he sold it for ₹8100 more, his profit would be 38.5%. At what price did he buy the car?

Q10) Suman sells 40 fans at 10% profit. He wants a total of 20% profit on the entire sale. Since he got 160 fans at a rate of ₹100 each, at what profit must he sell the remaining fans?

Q11) Rohini buys 160 chocolates for ₹480. She wanted to earn 30% profit by selling them. But when Rakesh visited her, she gave him 25% of those chocolates at the cost price itself. But even after doing this, she earned a profit of 30% as decided. For how much did she sell each chocolate?

Q12) Ramesh sold a statue for a price 25% higher than the original price of the statue. He had however bought the statue at 20% discount on the original price. With the profit of ₹2025, find the original price of the statue.

Q13) A shopkeeper earns a profit of 15% after selling a book at 20% discount on the printed price. The ratio of the cost price and printed price of the book is ?

Q14) The ratio of cost price and selling price is 4:5. The profit percent is?

Q15) If selling price of 40 articles is equal to cost price of 50 articles, the loss or gain percent is?

Q16) A fruit seller buys lemons at 2 for a rupee and sells them at 5 for 3 rupees. His gain percent is?

Q17) The cost price of 20 oranges is same as selling price of 16 oranges. The profit percentage is?
(a) 30% (b) 20% (c) 25% (d) 16%

Q) If the cost price of an article is ₹250 and it is sold at a profit of 20%, what is the selling price?
(a) ₹270 (b) ₹300 (c) ₹320 (d) ₹350

Q) If Loss % = 16.66%, SP=₹545, then CP=?

Q) A shopkeeper sells an article at $28\frac{4}{7}\%$ profit and the selling price is ₹5400, then find the CP?
(a) ₹4200 (b) ₹4600 (c) ₹5200 (d) ₹5600

Q) The CP of two articles is ₹1400. If one is sold at a profit of 20% and other is sold at a loss of 15%, then there is no profit or loss in the transaction. Find the CP of the article on which the shopkeeper gains?
(a) 400 (b) 600 (c) 1000 (d) 800

Q) A shopkeeper sold an almirah for ₹9720 with a discount of 10% and earns 8% profit. If no discount is given then what will be his profit percent?
(a) 30% (b) 24% (c) 25% (d) 20%

Q) A trader marks the price of an article as ₹1800. He gives a discount of 20% and still makes a profit of 25%. What is the cost price of the article?
(a) ₹1152 (b) ₹1148 (c) ₹1252 (d) ₹1248

Q) The percentage of loss when an article is sold at Rs 50 is the same as that of the profit when it is sold at Rs 70. The above-mentioned percentage of profit or loss on the article is?

(a) 10% (b) $16\frac{2}{3}\%$ (c) 20% (d) $22\frac{2}{3}\%$

Q) The percentage of profit when the article is sold at Rs 800 is 20 times the loss incurred when the article is sold at Rs 275. Find the price at which article should be sold to get 20% profit (in Rs.)?

(a) 300 (b) 360 (c) 420 (d) 480

Q) A shopkeeper purchases 5 mangoes for Rs 4 and sells 4 mangoes for Rs 5. Find Profit or Loss%

(a) 50% (b) 56.25% (c) 56% (d) 48.25%

Q) A dishonest shopkeeper professes to sell good at 25/4 % loss on cost price but being deceitful he uses an incorrect weight of 14 grams instead of 16 grams. Find his profit or loss percentage?

(a) 7.14% loss (b) 7.16% loss (c) 7.14% profit (d) 7.16% profit

Q) A shopkeeper sells goods at 82% loss on cost price but uses 28% less weight. What is his percentage profit or loss?

(a) 54% loss (b) 54% profit (c) 75% profit (d) 75% loss

Q) A shopkeeper purchased groundnuts at ₹64/kg & sells at ₹80/kg. While selling, he uses faulty weights and gives 800 grams instead of 1kg. Find his actual profit percentage?

(a) 32.25% (b) 28.75% (c) 36.65% (d) 56.25%

Q) A shopkeeper marks an article at a price 20% higher than its CP and allows 10% discount. Find his gain percentage?

(a) 8% (b) 10% (c) 9.5% (d) 9%

Q) If SP becomes 4 times, then profit becomes 6 times, then find initial profit percentage

(a) 100% (b) 50% (c) 150% (d) 200%

Q) A man sold two TV sets for 7200 each, niether incurring a gain or loss. If he sold one TV set at a profit of $12\frac{1}{2}\%$, then the other set TV set is sold at a loss of

(a) 8.5% (b) 9% (c) 8% (d) 10%

Q) If 50 bananas are sold for ₹160 at a loss of 20%. How many bananas should he sell for ₹1540 so as to make 10% profit?

(a) 320 (b) 300 (c) 360 (d) 350

Q) Find the gain %, given that Priya sold her scooter for ₹42564 gaining $\frac{1}{6}$th of the SP.
(a) 30% (b) 20% (c) 15% (d) 40%

Q) A shopkeeper allows a discount of 37% on the sale of an article after marking it up by 37% of its CP. Then find the percentage of the total profit or loss obtained.
(a) 13.69% loss (b) 12.96% loss (c) 13.69% profit (d) 12.96% profit

Q) Sumit buys two items for ₹7500. One he sells at a profit of 16% and the other item at 14% loss. In the deal, Sumit makes niether any profit nor any loss. What is the difference between selling price of both the items.
(a) 625 (b) 610 (c) 630 (d) 620

Q) When an article is sold at 35% discount, then there is a loss of 9%. What should be the discount % in order to earn a profit of 12%?
(a) 18% (b) 24% (c) 16% (d) 20%

Q)