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10 Years of Excellence

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Vedic Mathematics

1) A Girl buys a notebook for Rs 25 and sells it for Rs 20. Find her loss per cent.
a) 12%
b) 16%
c) 20%
d) 24%

2) If the marked price of an article is Rs. 380 and a discount of 5% is given on it, what is the selling price?
a) 261
b) 361
c) 371
d) 431

3) By selling an article for Rs. 825, a man loses equal to 1/3 of its selling price-
(i). Find the cost price of the article?
(ii). Find the profit percent, if the same article is sold for Rs. 1,265.
a) 550, 10%
b) 1100, 15%
c) 1000, 15%
d) 550, 15%

4) Amit bought 12 eggs for Rs. 16, for how much should he sell one egg to gain 50%?
a) 3
b) 4
c) 2
d) 5

5) By selling an article for Rs. 270, a loss of 10 percent is made. Find the C.P. of the article?
a) Rs. 100
b) Rs. 200
c) Rs. 300
d) Rs. 400

6) A dealer marks a T.V. set for 9,000 but agree to gain discount of 20%. Find the selling price of T.V. set.
a) Rs. 1800
b) Rs. 7200
c) Rs. 7800
d) Rs. 6800

7) A sells his goods at 15% discount. Find the price of an article which is sold for Rs. 680.
a) 400
b) 800
c) 1200
d) 1500

8) A shopkeeper allows a discount of 10% on the marked priced of an item but charges a sales tax of 8% on the discounted price. If the customer pays Rs 3,402 as the price including the sales tax, then the marked price is
a) Rs 3,400
b) Rs 3,500
c) Rs 3,600
d) Rs 3,800

9) A shopkeeper buys some vegetables at a discount of 15% on label price if he want to make profit of 20% after allowing a discount of 10%, then buy what % should his marked price be greater than the original labelled price?
a) 12.33%
b) 17.8%
c) 13.33%
d) 23.67%

10) At a petrol pump the operator gives 5% less petrol at the cost price. What is his profit %?
a) 4.55%
b) 5.26%
c) 7.5%
d) 9%

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11) An article is sold at a gain of 15%. Had it been sold for ₹ 27 more, the profit would have been 20%. The cost price of the article is
a) ₹ 500
b) ₹ 700
c) ₹ 540
d) ₹ 545

12) articles were bought for ₹ 5,980 and sold for ₹ 6,656. How much was the approximate profit percentage per article ?
a) 15%
b) 11%
c) 9%
d) 19%

13) A loss of 19% gets converted into a profit of 17% when the selling price is increased by ₹ 162. The cost price of the article is
a) ₹ 450
b) ₹ 600
c) ₹ 360
d) ₹ 540

14) If the ratio of cost price and selling price be 10 : 11, then the profit percentage is
a) 1%
b) 10%
c) 5%
d) 8%

15) A shopkeeper buys 144 items at 90 paise each. On the way 20 items are broken. He sells the remainder at ₹ 1.20 each. His gain per cent correct to one place of decimal is
a) 13.8%
b) 14.6%
c) 14.8%
d) 15.8%

16) An item costing ₹ 200 is being sold at 10% loss. If the price is further reduced by 5%, the selling price will be
a) ₹ 170
b) ₹ 171
c) ₹ 175
d) ₹ 179

17) By selling an article for ₹ 102, there is a loss of 15%, when the article is sold for ₹ 134.40, the net result in the transaction is
a) 12% gain
b) 12% loss
c) 10% loss
d) 15% gain

18) An article is sold at a profit of 20%. If it had been sold at a profit of 25%, it would have fetched ₹ 35 more. The cost price of the article is :
a) ₹ 650
b) ₹ 700
c) ₹ 750
d) ₹ 800

19) Saleem has 40 articles of same cost price. He sold 24 articles at a profit of 30% and 16 articles at a profit of 20%. Had he sold all the articles at a profit of 15%, then his profit would have been reduced by Rs. 880. What is the cost price (in Rs.) of each article?
a) 120
b) 200
c) 150
d) 160

20) The cost prices of three sports items, Jacket, Socks and Shoes, are in the ratio 2 : 3 : 4 respectively. If these three items are

sold such that a profit of 20% is registered on Jacket, a profit of 25% is registered on Socks and a loss of 10% is incurred on Shoes, then which of the following gives the overall percentage of profit/loss made in the three transactions put together?
a) 8.33% Profit
b) 10.33% loss
c) 11.25% Profit
d) 15.40% Profit

21) A vehicle dealer bought 5 second hand tractors for Rs. 2,00,000. He spent Rs. 2,00,000 additional on the maintenance and repairing of these 5 tractors. He sold one of the tractors for Rs. 1,50,000. What should be the average selling price of rest of the four tractors, if he makes 40% profit on the whole transaction?
a) Rs. 1,20,000
b) Rs. 1,00,000
c) Rs. 1,02,500
d) Rs. 1,25,000

22) 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.
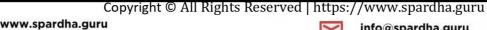a) 10%
b) 1.5%
c) 1.01%
d) 1.4%

23) Hardik and Pandya sold their bats at Rs. 5457 each but Hardik incurred a loss of 15%, while Pandya gained 2%. What is the ratio of the cost price of the bat of Hardik to that of Pandya?
a) 101 : 90
b) 467 : 389
c) 738 : 797
d) None of these

24) If selling price is doubled, the profit triples. Find the profit percent ?
a) 100%
b) 200%
c) 300%
d) 400%

25) A trader mixes 26 kg of rice at Rs. 20 per kg with 30 kg of rice of other variety at Rs. 36 per kg and sells the mixture at Rs. 30 per kg. His profit percent is:
a) No profit, no loss
b) 5%
c) 8%
d) 10%

26) A shopkeeper cheats to the extent of 10% while buying and selling, by using false weights. His total gain is.
a) 20%
b) 21%
c) 22%
d) 23%

27) By selling 45 lemons for Rs 40, a man loses 20%. How many should he sell for Rs 24 to gain 20% in the transaction ?
a) 16
b) 18
c) 20
d) 22

28) If the cost price of 12 pens is equal to the selling price of 8 pens, the gain percent is ?
a) 12%   b) 30%
c) 50%   d) 60%

29) If the cost price is 25% of selling price. Then what is the profit percent.
a) 150%   b) 200%
c) 300%   d) 350%

30) A person incurs a loss of 5% be selling a watch for Rs. 1140. At what price should the watch be sold to earn 5% profit.
a) Rs.1200   b) Rs.1230
c) Rs.1260   d) Rs.1290