

8th - Comparing Quantities - II

Discount

1. Marked price of an article is Rs. 3000. If a discount of 15% is allowed on the marked price, find the price to be paid by a buyer.
2. The population of a town increases by 10% annually. If the present population is 60000, what will be its population after 3 years?
3. During festival season, Akshay purchased an article for Rs. 5100 whose list price is Rs. 6000. Find the amount he saved and percent of discount, he gets on the article.
4. Sarita allows 10% discount on the marked price of her goods and still earns a profit of 255. What is the cost price of an article marked at Rs 1250 ?
5. What price should Meenu mark on a shirt which costs her Rs 1200 so as to gain 22% after allowing a discount of 12% ?
6. Find the Marked Price when Selling Price is Rs 1820 and discount is 4%.
7. Find the single discount equivalent to the successive discounts of 40%,20% and $12\frac{1}{2}\%$
8. A furniture-seller sells an office table having list price Rs. 4500 with a discount series of 15% and 5%. Find out the sale price of the table when paise involved are rounded to Rs.
9. Rohit purchased a table for Rs. 3000, having marked price of Rs. 6000, after getting two successive discounts of $33\frac{1}{3}\%$ and x%. Find the value of x.
10. Mohan's income is Rs. 15500 per month. He saves 11% of his income. If his income increases by 10%, then he reduces his savings by 1%, how much does he save now?
11. Two successive price increases of 10% and 10% of an article are equivalent to a single price increase of ?
12. Population of a city increases by 10% in 1st year, it increases by 20% in next year. If initial population in 10,000. Calculate the Population after two years.
13. If population increases by 20% in first year and decreases by 30% in second year. Calculate net percentage change?

Value Added Tax (VAT)

14. A washing machine is tested at Rs 15000. What is the cost of air conditioner to the customer, if he has to pay 5% as the sales tax?
15. A table is listed at Rs 4995. What is the cost of the table to the customer is a sales tax of 3% is added to the selling price?
16. A cloth merchant purchased 20m cloth at the cost of Rs 75 per metre. He sells the cloth at a gain of 10%. If a customer buys 8m of cloth and also pays sales tax at the rate of 4%, how much does the customer pay in all for buying 8m of cloth?

