8 CLASS MATH TUITION ASSIGNMENT

Assignment – 8

Chapter = Comparing Quantities

Submission Date = 07 November 2022   **MM = 25**

Q1. The cost of 15 articles is equal to the selling price of 12 articles. Find the profit per cent.

Q2. A watch was bought for ₹ 2,700 including 8% VAT. Find its price before the VAT was added.

Q3. Shruti bought a set of cosmetic items for Rs. 345 including 15% value added tax and a purse for Rs. 110 including 10% VAT. What percent is the VAT charged on the whole transaction?

Q4. Two candidates Raman and Rajan contested an election. Raman gets 46% of the valid votes and is defeated by 1600 votes. Find the total number of valid votes cast in the election.

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Q5. A man whose income is ₹ 57,600 a year spends ₹ 43,200 a year. What percentage of his income does he save?

Q6. Find the amount of ₹ 6,250 at 8% pa compounded annually for 2 years. Also, find the compound interest.

Q7. Find the compound interest on ₹ 31,250 at 12% pa for 12 $1/2$ years.

Q8. Vishakha offers a discount of 20% on all the items at her shop and still makes a profit of 12%. What is the cost price of an article marked at ₹ 280?

Q9. A shopkeeper bought two phones for Rs. 8,000 each. After selling the phones, there was a loss of 4% on the 1st phone while a profit of 8% on the 2nd phone. Calculate the overall gain or loss per cent on the whole transaction.

Q10. In a certain school, there are 456 girls. Calculate the total number of students if 24% of the total students are boys.

Q11. Mario invested Rs8,000 in a domain. She would be paid interest ar 5% per annum compounded annually. Find the amount credited against his name at end of third year.

Q12. a shopkeeper purchased 200 bulbs for Rs.10 each. However 5 bulbs were fused and had to be thrown away. The remaining were sold at Rs 12 each. Find the gain or loss per cent.