

INTERNATIONAL INDIAN SCHOOL, RIYADH.

WORKSHEET

CHAPTER:8 COMPARING QUANTITIES

1. a shopkeeper purchases a T.V for Rs.12,150 and spent Rs.350 on transportation and insurance. If he wants to make a profit of 16%,for how much should he sell the T.V?
2. A sofa is sold for Rs.2,645 at a loss of 8%. What will be the gain or loss per cent, if it is sold for Rs.3,105?
3. A man bought Bananas at the rate of Rs.20 per dozen and sold them at the rate of 10 for Rs.25. Find his gain or loss per cent.
4. A man bought eggs at Rs.32 a dozen and sells them at 3 for Rs.10. Find his gain or loss per cent.
5. A shopkeeper buys 50 articles for Rs.1,500 and sells them at a profit of 18 %. Find the selling price of five articles.
6. By selling a bicycle for Rs.1,104, Nishu loses 8%. At what price should he sell to make it a profit of 10%?
7. An electrician sold two irons at Rs.960 each. On one, he gains 20% and on the other at a loss of 20%. Find the overall gain or loss in the whole transaction.
8. A man sold two cars for Rs.99000 each. One one, he gains 10%, and on the other a loss of 10 %. Find his overall gain or loss in the transaction.
9. By selling 50 bananas, a vendor gains the selling price of 10 bananas. Find his gain per cent.
10. An article was sold at a profit of 7%. If it had been sold for Rs.276 more, he could have gained 10%. Find the cost price.
11. By selling 55 oranges, a person gains an amount equal to the selling price of 11 oranges. Find his profit per cent.
12. The cost of an A.C is Rs.16500. 12% VAT is chargeable. Find the amount chargeable.
13. A fridge costs Rs.17280 inclusive of VAT at the rate of 8%. Find the cost of fridge before VAT was added.
14. A DVD player and T.V were bought for Rs.8000 each. The shopkeeper made a loss of 8% on the DVD player and a profit of 12% on the T.V. Find the gain or loss per cent on the whole transaction.
15. Find the compound interest on
 - (i) Rs.2500 for two years at 8 % per annum compounded annually.
 - (ii) Rs.8000 for 2 yrs at 12% per annum compounded annually.
 - (iii) Rs.10,000 for 3 yrs at 10% per annum compounded annually.
 - (iv) Rs.10,000 for 2 ½ yrs at 5% per annum compounded annually.
16. Find the compound interest on 12,000 at 8% for 1 yr, the interest payable half yearly.
17. Anuj borrowed Rs.62,500 for 2 yrs at 12% per annum compounded annually. How much money is required to clear the loan after 2 yrs?
18. Find the difference between compound interest and simple interest on Rs.7500 at 14% per annum for 2 yrs.
19. The difference between the compound interest and the simple interest on a certain sum at 14% per annum for 2 yrs is Rs.490. Find the sum.
20. Ashish took a loan of Rs.80,000 from a bank . if the rate of interest is 10% p.a. find the difference in amount that he would be paying after 1 ½ yrs if interest is
 - (i) Compounded yearly
 - (ii) Half yearly

ANSWERS:

1. 14,500 2. 8% 3. 50% 4. 25% 5. 177 6. 1320 7. 4% 8. 1% 9. 25% 10. 9200
11. 20% 12. 18480 13. 16000 14. 2% 15. i) 416 ii) 2035.20 iii) 3310 iv) 1300.62
16. 979.20 17. 78400 18. 147 19. 25000

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1. Find the ratio of the following:
 - i) 50 paise to Rs.2
 - ii) 75 m to 4 km
 - iii) 15 km to 25 km
 - iv) 12 minutes to 1 hour
2. Convert from ratio to percentage:
 - i) 2:5
 - ii) 3:10
 - iii) 8:25
 - iv) 43:50
3. After spending 60% of his money, Joseph has Rs.600. How much money did he have in the beginning?
4. In a picnic party girls are 40% of the total students and are 16 in no. conveyance cost Rs.1000, expenditure on refreshment is Rs.2150. Two teachers accompany the party. Find:
 - i) Ratio between no. of boys: girls
 - ii) Ratio of boys, girls and teachers.
 - iii) Cost per head.
5. A radio is marked at Rs.2500. the shopkeeper allows a discount of 15% on it. Find the selling price.
6. A mobile set is sold for Rs.4200 after a discount of 16%. Find marked price.
7. During sale, price of a washing machine is reduced from Rs.14500 to Rs.12325. Find rate of discount offered.
8. Find marked price of an electric iron that has a selling price of Rs.1260 after a discount of 10% on the marked price allowed.
9. A grocer marks his goods 20% above cost price but had to sell the goods at a discount of 20 % on the marked price. Find the gain or loss per cent in the transaction.
10. How much a dealer must mark his goods so that after allowing a discount of 25% on the marked price, he gains 20% if the cost of the goods is Rs.15000?

Answers:

- 1) i) [1:4] ii) [3:160] iii) [3:5] iv) [1:5]
- 2) i) 40% ii) 30% iii) 32% iv) 86%
- 4) i) 3:2 ii) 12:8:1 iii) Rs.75