Revision Assignment(Class- VII)
Comparing Quantities

Objective type:-
1. **Write 3/4 in the form of percentage?**
   (a) **60% (b) 45% (c) 75% (d) 40%**
2. **Out of 80 students in a class 30 are girls. Find the percentage of girls in class?**
   (a) 37.5% (b)20% (c)20.5% (d) 45%
3. **The ratio of 6 kg to 400 g is: (a) 10 : 1(b) 15 : 1(c) 12 : 1(d) 6 : 1**
4. **Convert 1/8 to percent:(a) 125%(b) 12.5%(c) 7.5%(d) 28%**
5. **A school team won 6 games this year against 4 games won last year. What is the percent increase? (a) 10%(b) 25%(c) 75%(d) 50%**
6. **Find 50% of 164. (a)72 (b) 62(c) 82 (d) none of these**
7. **Gardening Shares are bought for Rs 250 and sold for Rs 325. What is the profit %age?**
   (a) 30%(b) 20%(c) 45% (d) 60%
8. **There are 25 radios, 16 are out of order. Find the %age of the radios with good condition.**
   (a) 16% (b)26 % (c)36% (d)46%
9. **A bicycle is purchased for Rs 1800 and is sold at a profit of 12%. Its selling price is**
   (a) Rs 1584 (b) Rs 2016 (c) Rs1788 (d) Rs 1812
10. **Amount received on Rs 3000 for 2 years at the rate of 11% per annum is**
    (a) 2340(b)3660 (c) 4320(d)3320

Subjective type:-
11. **Sandeep brought a second-hand motorcycle for Rs 20,000 and spent Rs 6,000 for repairing it. At what price should he sell the motorcycle to get a profit of 10%?**
12. **Samaira saves Rs. 9000 from her salary every month. If it is 5% of her salary. Find her salary?**
13. **A machine costs Rs 7500. Its value decreases by 5% every year due to usage. What will be its price after one year?**
14. **Compare the given ratios   3 : 4, 5 : 6 and 3 : 8**
15. **If Rs. 500 has to be divided among John, Manvi and Meera in the ratio 1 : 3 : 6.Then how much money will each get and what will be the percentages?**

Assertion Reason
(a) Both assertion and reason are correct and reason is the correct explanation for assertion
(b) Both assertion and reason are correct but reason is not correct explanation fors assertion
(c) Assertion is correct but reason is false.
(d) Both assertion and reason are false.
1. **Assertion: The ratio of speed of cycle 12 km per hour to the speed of scooter 36 km per hour is1/4**
   Reason: Speed of cycle/Speed of scooter = 12/36 = ⅓
2. **Assertion: The cost of the article was Rs. 15500 and Rs. 500 was spent on its repairing. If it is sold for a profit of 15%. The selling price of the article is18400**
   Reason: Selling Price = cost price- Profit

Case Study

(1) A person deposited Rs 40,000 with a bank that gives a simple interest at the rate of 12.5% per annum for 5 years. He also deposited the same amount at the rate of 11% per annum in another bank for 5 years. After 5 years, he wanted to take out that cash from both banks and use it. Based on the above information, answer the following:

      (a)What is the simple interest he will get after 5 years from both banks?

      (b) What is the total amount he will be getting after 5 years?

(2) Rohit went to a wholesale market and purchased a TV for 24000 rupees and sold it for Rs 30000 to Rishabh. After few weeks due to some reason Rishabh has to sell the same TV to Arjun for Rs 24000 rupees. Based on the above information answer the following questions.

      1. Find the profit and profit percent of Rohit.

      2. Find the loss and loss percent of Rishabh.

HOTS:-

1. Rs 9000 becomes Rs 18000 at simple interest in 8 years. Find the rate per cent per annum?

2. At what annual rate of interest will a sum of money be thrice in 10 years?

3. The simple interest on a certain sum at 5% per annum for 3 years and 4 years differ by ₹ 82. Find the sum.

4.You have Rs 2400 in your account and the interest rate is 5%. After how many years would you earn Rs 240 as interest?

Answers:-

Objective:- 1 (c) ,2 (a), 3 (b), 4 (b) ,5 (d),6 (c) ,7 (a) 8 ,9 (b), 10 (b)

Subjective:- 11 Rs 28600 , 12 Rs 1,80,000 , 13 Rs 7125 , 14. 3 : 8 < 3 : 4 < 5 : 6, 15. (a) 50,10% (b) 150, 30% (c) 300,60%

Assertion reason:- (a) ,(b) Case Study:- Rs 47000, Rs 127000 ,25%,20%,

HOTS:- 1. 12.5% 2. 20%, 3. Rs 1640 4. 2 years