Comparing Quantities: Worksheet -10

1. The simple interest on a sum of money is $\frac{4}{9}$ times the principal and the rate of interest per annum is numerically equal to the number of years. Find the rate of interest per annum. [ ]

   (a) $\frac{10}{3}$ % (b) $\frac{15}{3}$% (c) $\frac{20}{3}$ % (d) $\frac{15}{2}$%

2. A certain sum becomes 3 times itself in 6 years at simple interest. In how many years will it become 9 times itself? [ ]

   (a) 18 (b) 20 (c) 24 (d) 22

3. A certain sum becomes Rs. 6400 in 4 years and Rs. 8200 in 7 years at simple interest. Find the principal. [ ]

   (a) Rs. 4000 (b) Rs. 4200 (c) Rs. 4400 (d) Rs. 40000

4. A sum of money amount to Rs. 2000 in 3 years and Rs.2500 in 5 years at simplest interest. Find the rate of interest per annum. [ ]

   (a) $33\frac{1}{3}$% (b) $12\frac{1}{3}$% (c) 25% (d) 20%

5. Find the simple interest on Rs.1098 at 5% per annum from 5 May 1996 to 25 May 1996. [ ]

   (a) Rs.5 (b) R.7 (c) Rs.3 (d) R. 4

6. A certain sum of money amounts to Rs.1125 in 5 years and to Rs. 1200 in 8 years. The sum is [ ]

   (a) Rs. 900 (b) Rs.500 (c) Rs.1000 (d) Rs. 800

7. A what rate of interest per annum will a sum becomes 5 times in 20 years at SI [ ]

   (a) 20% (b) 16% (c) 25% (d) 10%

8. A sum of money becomes $\frac{7}{4}$ of itself in 6 years at a certain rate of simple interest. The rate of interest is: [ ]

(a) 12% (b) $12\frac{1}{2}\%$ (c) 8 % (d) 14%

9. Rs.1200 amounts to Rs.1632 in 4 years at a certain rate of simple interest. If the rate of interest is increased by 1%, it would amount to how much? [ ]

(a) Rs.1635 (b) Rs. 1644 (c) Rs.1670 (d) Rs.1680

10. The difference between the interest received from two different banks on Rs.750 for 2 years is Rs.90. The difference between their rate is: [ ]

(a) 4% (b) 6% (c) 8% (d) none of these