Comparing Quantities: Worksheet -11

1. At what rate percent of simple interest will a sum of money double itself in 12 years? [ ]

(a) $8\frac{1}{4}\%$ (b) $8\frac{1}{3}\%$ (c) $8\frac{1}{2}\%$ (d) $9\frac{1}{2}\%$

2. Rs.7500 is borrowed at CI at the rate of 4% per annum. What will be The amount to be paid after 6 months, if interest is compounded quarterly? [ ]

(a) Rs.7650.75 (b) Rs.7230.25(c) Rs.7215.30(d) Rs.7035.16

3.If a sum of money at compound interest amounts to thrice itself in 3 years, then in how many years will it be 9 times itself? [ ]

(a) 12 years (b) 6 years (c) 9 years (d) 15 years

4. At what rate percent compound interest, will Rs.400 amount to Rs.441 in 2 years? [ ]

(a) 4% (b) 5% (c) 6% (d) 3%

5. The time period after which interest is added each time to form a new principal is called _ _ _ _ _ _ _ _ .

6. The amount and compound interest on Rs.2500 for 2 years at 10% p.a. respectively are (in rupees) _ _ _ _ _ _ _ _ and _ _ _ _ _ _ _ _ .

7. What will be the compound interest on Rs.15625 for 3 years at 8% p.a., if the interest is compounded annually? [ ]

(a) Rs.4805 (b) Rs.4508 (c) Rs.4580 (d) Rs.4058

8. The simple interest and the compound interest on a certain sum for 2 years is Rs.1250 and Rs.1475 respectively. Find the rate of interest. [ ]

(a) 36% p.a. (b) 34%p.a. (c) 32% p.a. (d) 38%p.a.

9. Ravi borrowed Rs.1000 from Sridhar at 3% C.I. for the first year, 5% C.I. for the second year. What amount does Sridhar get at the end of the second year? [ ]

(a) Rs.1081 (b) Rs.1081.50 (c) Rs.1082.50 (d) Rs.1083

10. Saleem borrowed Rs.20000 at compound interest and paid Rs.22050 After 2 years to clear the debt. [ ]

(a) 3% (b) 5% (c) 4% (d) 7%

11. A certain sum triples in 4 years at compound interest, interest being compounded annually. In how many years would it become 27 times itself? [ ]

(a) 9 (b) 10 (c) 12 (d) 16

12. A sum of money triples itself in 3 years at compound interest. In how many years will it become 9 times itself? [ ]

(a) 4 (b) 9 (c) 6 (d) 7

13. Find the compound interest on Rs.500000 for 3 years, compounded annually and the rate of interest being 10%, 12% and 15% for the three successive years respectively. [ ]

(a) Rs.20840 (b) Rs.70840 (c) Rs.60720 (d) Rs. 67560

14. The simple interest and the compound interest on a certain sum for 2 years is Rs.1250 and Rs.1475 respectively. Find the rate of interest. [ ]

a) 36%p.a. (b) 34%p.a. (c) 32%p.a. (d) 38%p.a.

15. Q and R borrowed Rs.26000 and Rs.25000 respectively, for a period of 2 years. Q paid simple interest at the rate of 2% p.a., while R paid compound interest at the same rate, compounded annually. Who paid more interest and by how much? [ ]

(a) R paid more than Q by Rs.40

(b) R paid more than Q by Rs.30

(c) Q paid more than R by 40

(d) Q paid more than R by Rs.30