

### Simple Interest and Compound Interest

1. A took a certain sum as loan from bank at a rate of 8% Simple Interest per annum. A lends the same amount to B at 12% Simple interest per annum. If at the end of the five years. A made profit of ₹800 from the deal, how much was the original sum?  
(A) ₹6500 (B) ₹4000  
(C) ₹6200 (D) ₹6000  
(E) ₹4500
2. The simple interest accrued on an amount of ₹16500 at the end of 3 years is ₹5940. What would be the compound interest accrued on the same amount at the same rate in the same period? (rounded off to two digits after decimal).  
(A) ₹6681.31 (B) ₹6218.27  
(C) ₹6754.82 (D) ₹6537.47  
(E) None of these
3. The difference between CI and SI on a certain sum of money at 10% per annum for 3 years is ₹620. Find the principal if it is known that the interest is compounded annually.  
(A) ₹2,00,000 (B) ₹20,000  
(C) ₹10,000 (D) ₹1,00,000  
(E) ₹15,000
4. The simple interest on a sum of money will be ₹600 after 10 years. If the principal is trebled after 5 years, what will be the total interest at the end of the tenth year ?  
(A) ₹600 (B) ₹1200  
(C) ₹750 (D) ₹850  
(E) None of these
5. A man invested a certain sum in scheme A at 15% p.a. for 2 years and earned ₹1950 as simple interest. He increased his sum by ₹'x' and invested in another scheme B at 10% p.a. C.I. for 2 years and received ₹1680 as compound interest. Find the value of 'x' ?  
(A) ₹1750 (B) ₹1500  
(C) ₹1250 (D) None of these  
(E) ₹1850
6. Akila borrowed a certain sum of money at simple interest for 4 years at 10% per annum and he pays ₹20000 as interest. Find the compound interest for the same amount at 8% per annum for 2 years?  
(A) ₹ 8320 (B) ₹ 9450  
(C) ₹ 8620 (D) ₹ 8440  
(E) ₹ 8220
7. A and B invested an amount of ₹5000 & ₹4000 respectively in two schemes offering simple interest at the rate of 10% p.a. & 12% p.a. respectively. if A invested for 2 years while B for 3 years, then find the difference between interest received by A and B.  
(A) ₹425 (B) ₹430  
(C) ₹420 (D) ₹440  
(E) ₹435
8. An amount becomes twice when invested for 3 years at simple interest. What would be the interest received if ₹5000 invested at same rate for 2 years at compound interest. (approx.)  
(A) ₹3245 (B) ₹4257  
(C) ₹3672 (D) ₹3889  
(E) ₹4567

9. A sum of ₹15000 is divided into two parts. The first part is invested at 8% per annum, while the other part is invested at 12% per annum. The interest in both cases is calculated on the principle of simple interest, and is found to be same at the end of 2 years. What are the two parts in which money was divided?  
(A) ₹7500 each (B) ₹7000 and ₹8000  
(C) ₹9000 and ₹6000 (D) ₹5000 and ₹10000  
(E) Cannot be determined
10. On a sum of ₹6500, if the difference between the simple interest after 5 years and 2 years is ₹1560, find the rate of interest.  
(A) 4% (B) 6%  
(C) 8% (D) 10%  
(E) 12%
11. A man invested a sum at certain rate of interest on simple interest and he got 60% more amount after 8 years. If he invest ₹9600 at the same rate of interest on SI then find total interest he would get after four years  
(A) ₹3844 (B) ₹2880  
(C) ₹2520 (D) ₹2160  
(E) ₹2260
12. The simple interest accrued on an amount of ₹40,000 at the end of 3 years is ₹33,600. What would be the compound interest accrued on the same amount at the same rate in the same period?  
(A) ₹37,523.52 (B) ₹43886.08  
(C) ₹39,523.52 (D) ₹40,523.52  
(E) None of these
13. A certain sum of money amounts to ₹1008 in 2 years and to ₹1164 in 3.5 years. Find the rate of interest.  
(A) 14% (B) 13%  
(C) 12% (D) 19%
- (E) None of these
14. ₹6,000 is invested at 10% p.a. on simple interest. If that interest is added to the principal after every 20 years, the amount will become ₹28,000 after :-  
(A) 20 years (B) 25 years  
(C) 25.55 years (D) 30 years  
(E) 33.33 years
15. The simple interest accrued on a sum of certain principal is ₹2,000 in five years at the rate of 4 p.c.p.a. What would be the compound interest accrued on same principal at same rate in two years?  
(A) ₹716 (B) ₹724  
(C) ₹824 (D) ₹816  
(E) None of these
16. ₹6000 was lent partly @ 5% and partly @ 7% simple interest. The total interest received after 4 years is ₹1600. What is the amount lent @ 5% SI?  
(A) ₹2500 (B) ₹1500  
(C) ₹3200 (D) ₹1000  
(E) None of these
17. The difference between compound interest, compounded annually and simple interest at the end of two years on ₹6,40,000 is ₹14,400. What is the simple interest for the first year?  
(A) ₹96,000 (B) ₹64,000  
(C) ₹72,000 (D) ₹60,000  
(E) ₹50,000
18. Two equal sums of money were lent at simple interest at 11%p.a for 3.5 years and 4.5 years respectively. If the difference in interest for two periods was ₹412.50, then each sum is  
(A) ₹3250 (B) ₹3500  
(C) ₹3750 (D) ₹4250  
(E) None of these

19. Rohtash earns an interest of ₹300 over 2 years on a simple interest basis and ₹315 at the same interest rate on compound interest basis. What is the compound interest for 2nd year?  
(A) ₹132 (B) ₹145  
(C) ₹154 (D) ₹165  
(E) ₹160
20. A sum of money invested at simple interest rate, becomes thrice its original value in 8 years, then in how many years will it become seven times of its original value at the same rate of interest?  
(A) 23 years (B) 24 years  
(C) 25 years (D) 26 years  
(E) 27 years