



# ST. LAWRENCE HIGH SCHOOL



## A Jesuit Christian minority Institution

Subject: Mathematics Class-X

Date: 18/01/2021

### Answer key of Worksheet-1

### Chapter: Simple Interest

### Topic- Simple interest

1. Choose the correct alternative.  $1 \times 15 = 15$
- a) Kabir paid Rs 9600 as interest on a loan he took 5 years ago at 16% rate of simple interest. What was the amount he took as loan?  
i) Rs 16400 ii) **Rs 12000** iii) Rs 12500 iv) Rs 18000
- b) Suresh for 2 years invested Rs 500 in SBI. He also invested Rs 300 in ICICI bank for 4 years. At the end he received Rs 220 from both the banks as simple interest. What must have been rate of interest?  
i) **10%** ii) 12% iii) 11% iv) 5.5%
- c) In 4 years the simple interest on certain sum of money is  $\frac{9}{25}$ th part of the principal. The annual rate of interest is i) 4% ii) 4.5% iii) **9%** iv) 10%
- d) Aman invests Rs 8000 at some rate of interest. Being simple interest the money doubles in 5 years. Raj sees this and invests Rs 6250 for 3 years at same rate of interest. How much interest does Raj get?  
i) **Rs 3750** ii) Rs 6250 iii) Rs 3125 iv) Rs 4250
- e) Raman paid Rs 11400 as interest after 9 years. He had borrowed some money at rate of 6% for the first 2 years, 9% for the next 3 years and 14% for the rest of the period. How much money did he borrow?  
i) Rs 10000 ii) Rs 15,000 iii) **Rs 12000** iv) Rs 12500
- f) Find the simple interest on Rs 5200 for 2 years at 6% per annum  
i) Rs 450 ii) Rs 524 iii) Rs 600 iv) **Rs 624**

- g) Rs 1200 is lent out at 5% p.a simple interest for 3 yrs . Find the amount after 3 yrs.
- i) Rs 1380 ii) Rs 1290    iii) Rs 1470    iv) Rs 1200
- h) Interest obtained on a sum of Rs 5000 for 3 yrs is Rs 1500. Find the rate percent .
- i) 8%    ii) 9%    **iii) 10%**    iv) 11%
- i) Find the rate of interest if the amount after 2 yrs of simple interest on a capital of Rs 1200 is Rs 1440 .
- i) 8%    ii) 9%    **iii) 10%**    iv) 11%
- j) A sum was invested at simple interest at a certain interest for 2 years . It would have fetched Rs 60 more had it been invested at 2% higher rate. What was the sum?
- i) **Rs 1500**    ii) Rs 1300    iii) Rs 2500    iv) Rs 1000
- k) A sum becomes 4 times at SI in 10 years. What is the rate of interest?
- i) 10%    ii) 20%    **iii) 30%**    iv) 40%
- l) Raju lent Rs 400 to Ajay for 2 years and Rs 100 to Manoj for 4 years and received together from both Rs 60 as simple interest. Find the rate of interest .
- i) 5%**    ii) 6%    iii) 8%    iv) 9%
- m) Divide Rs 6000 into 2 parts so that simple interest on the first part for 2 years at 6% per annum may be equal to the simple interest on the second part for 3 years at 8% p.a.
- i) Rs 4000, Rs 2000**    ii) Rs 5000, Rs 1000    iii) Rs 3000, Rs 3000    iv) none of these
- n) A sum of money becomes  $\frac{7}{4}$  th of itself in 6 years at a certain rate of simple interest. Find the rate of interest.
- i) 12%    **b) 12.5%**    iii) 8%    iv) none of these
- o) If a certain sum of money becomes doubles at SI in 12 years . What would be the rate of interest p.a?
- i)  $8\frac{1}{3}\%$**     ii) 10%    iii) 12%    iv) 14%

Aparajita Mondal