

## Simple Interest

### Finding S.I:

- 1) Find S.I and an amount for Rs.20000 at 6% for 3 years.
- 2) The simple interest on a sum of money will be Rs.600 after 10 years. If the principal is tripled after 5 years what will be the total interest at the end of the tenth year?
- 3) Sonika deposited Rs.8000 which amounted to Rs.9200 after 3 years at simple interest. Had the interest been 2% more. She would get how much?

### Finding Principal :

- 4) A sum of money at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 in 4 years. The sum is?
- 5) A person lent a certain sum of money at 4% per annum at simple interest and in 8 years the interest amounted to Rs.340 less than the sum lent. What was the sum lent?
- 6) Rs.2500 is divided into two parts such that if one part is put out at 5% simple interest and the other at 6%, the yearly annual income may be Rs.140. How much was lent at 5%?
- 7) A sum of Rs.2600 is lent in two parts so that the interest on the first part for a period of 3 years at 5% may be equal to the interest on the second part for 6 years at 4%. The second part is equal to ?

### Finding Rate of Interest

- 8) At what rate percent on simple interest will Rs.750 amount to Rs.900 in 5 years?
- 9) A certain sum amounts to Rs.1725 in 3 years and Rs.1875 in 5 years. Find the rate % per annum?

### Finding Amount

- 10) If Rs.450 amounts to Rs.540 in 4 years, what will it amount to in 6 years at the same rate % per annum?
- 11) An amount of Rs. 3000 becomes Rs. 3600 in four years at simple interest. If the rate of interest was 1% more, then what was the total amount?

### Finding Time Period:

- 12) In how many years does a sum of Rs. 5000 yield a simple interest of Rs. 16500 at 15% p.a.?
- 13) The simple interest on a sum of money is  $\frac{4}{9}$  of the principal and the number of years is equal to the rate percent. Find the rate and the time?
- 14) What will be the ratio of simple interest earned by a certain amount at the same rate of interest for 6 years and that for 9 years?

### Doubles or Triples:

- 15) At what rate percent on simple interest will a sum of money four times itself in 10 years?
- 16) A sum of money becomes triple itself in 5 years at simple interest. How many years will it become six times at the same rate?

## **Compound Interest**

### **Finding C.I. & Amount:**

Find the C.I. & amount for Rs. 5000 at 10% per annum for 2 years ?

Find the C.I. for Rs. 20000 at 20% for 1 yr 6 months which is compounded half-yearly ?

Find the C.I. for Rs.10000 at 12% for 9 months which is compounded quarterly?

### **Finding Rate of Interest:**

An amount of Rs. 500 amounts to Rs. 583.20 in two years if compounded annually. Find the rate of interest per annum.

Compound interest earned on a sum for the second and the third years are Rs.1200 and Rs.1440 respectively. Find the rate of interest?

### **Finding Time:**

Rs.8000 becomes Rs.9261 in a certain interval of time at the rate of 5% per annum of C.I. Find the time?

In what time will Rs 5400 amount to Rs 6773.76 at 12% per annum compounded annually?

### **Finding Principal:**

A certain sum amounts to Rs. 2420 in 2 years and to Rs. 2662 in 3 years. Find the sum.

A certain sum amounts to Rs. 7000 in 2 years and to Rs. 8000 in 3 years. Find the sum

### **Doubles & Triples:**

A sum of money doubles itself at compound interest in 10 years. In how many years will it be eight times?

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

### **Difference b/w S.I & C.I**

The difference between C.I. and S.I. a certain sum at 10 % per annum for 2 years is Rs. 530. Find the sum.

The difference between C.I. and S.I. accrued on an amount of Rs. 20,000 in 2 years was Rs. 392. Find the rate of interest per annum.