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(Affiliated to CBSE up to +2 Level)

Class: VII | Subject: Mathematics | Date: 06.07.2021

1. Find the simple interest and amount in each of the following:

(a) P = Rs.1800 R = 5% T = 1 year

(b) P = Rs.2600 R = 12% T = 3 years

(c) P = Rs.3125 R = 15% T = 73 days

(d) P = Rs.5660 R = 11% T = 9 months

(e) P = Rs.180 R = 3% T = $1^1/_4$ year

Word problems on simple interest worksheet:

2. What sum would yield an interest of Rs.36 in 3 years at 3% p.a.?

3. At what rate per cent per annum will Rs.250 amount to Rs.330 in 4 years?

4. At what rate per cent per annum will Rs.400 yield an interest of Rs.78 in $1^1/_2$ years ?

5. In what time will Rs.400 amount to Rs.512 if the simple interest is the calculated at 14% p.a.?

6. A sum amount to Rs.2400 at 15% simple interest per annum after 4 years. Find the sum.

7. Ken borrowed Rs.2000 from Sam at 8% per annum. After 6 year he cleared the amount by giving Rs.2600 cash and a watch. Find the cost of the watch.

8. In how many years will Rs.400 yield an interest of Rs.112 at 14% simple interest?

9. In how many years will Rs.12000 yield an interest of Rs.13230 at 10% simple interest?

10. In how many years will Rs.600 double itself at 10% simple interest?

11. At what rate of simple interest will Rs.5000 amount to Rs.6050 in 3 years, 4 months?

12. At what rate of simple interest will the sum of money double itself in 6 years?

13. Find the simple interest at the rate of 5% p.a. for 3 years on that principal which in 4 years, 8 months at the rate of 5% p.a. gives Rs.1200 as simple interest.

14. At what rate per cent per annum will $4000 yield an interest of $410 in 2 years?

15. Simple interest on a certain sum is $^{16}/_{25}$ of the sum. Find the rate per cent and time if both are numerically equal. [Hint: (T = R), P = x, S.I. = $^{16}/_{25}$ x]

16. Simple interest on a sum of money at the end of 5 years is $^4/_5$ of the sum itself. Find the rate per cent p.a.