Q1. Calculate the simple interest in the following cases and fill in the blanks in the following table:

Principal	Rate	Time	Simple Interest
₹2600	12% p.a.	3 years	
₹3125	15% p.a.	146 days	
₹5660	11% p.a.	9 months	

Q2. State True or False:

a. 12% rate of interest per annum means that interest paid on ₹100 for one month is ₹12. _____

b. 7.5% rate of interest quarterly means that interest paid on ₹100 for 4 months is ₹7.5. _____

c. 15% rate of interest half-yearly means that interest paid on ₹100 for 6 months is ₹15. _____

d. 1% rate of interest per month means that interest paid on ₹100 for a year is ₹12. _____

Q3. Tick the correct option:

The simple interest on a sum of money 'P', at a rate of interest R% p.a. for 6 months will be:

a. $\dfrac{PR}{100} \times 2$

b. $\dfrac{PR}{100} \times 6$

c. $\dfrac{PR}{100} \times \dfrac{1}{2}$

Q4. Sujata borrowed ₹10,500 from Sushma for 8 months at the rate of $3\frac{1}{2}$ p.a. How much money will Sushma receive after the end of that period?

Answer: _____

Q5. Rajiv borrowed ₹36,000 from Satish at the rate of 12% p.a. After 2 months he settled the account by paying ₹19,000 and some gold jewellery to Satish. Find the value of the gold jewellery.

Answer: _____

Q6. At what rate of interest will ₹1200 yield an interest of ₹45 in $1\frac{1}{2}$ years?

Answer: _____

Q7. Find the rate of interest at which a sum of money will double itself in 8 years.

Answer: _____

Q8. Sonika took a loan at 12% p.a. for a period of 3 years. After 3 years she cleared the loan amount by giving ₹81,600. Find the amount borrowed by Sonika initially.

Answer: _____

Q9. In how many years will ₹12,000 amount to ₹16,800 if simple interest is calculated at 8% p.a.? Choose the correct answer from the options given below:

a. 2 years

b. 3 years

c. 4 years

d. 5 years

Q10. Kiran lent a certain sum of money for 5 years at 15% p.a. Sudha lent the same sum of money at 12% for $3\frac{3}{4}$ years. At the end of the respective time periods, Kiran earned ₹2100 more as simple interest than Sudha. Find the sum of money lent by each of them.

Answer: _____

Answers

1.

Principal	Rate	Time	Simple Interest
₹2600	12% p.a.	3 years	₹936
₹3125	15%	146 days	₹187.50
₹5660	11%	9 months	₹466.95

2. a. False; b. False; c. True; d. True

3. (c)

4. ₹10,745

5. ₹17,720

6. 2.5% per annum

7. 12.5% per annum

8. ₹60,000

9. (d) 5 years

10. ₹7000