



PROFIT & LOSS

Worksheet 4



KNOWLEDGE IS THE KEY TO UNLOCKING POTENTIAL.

1 2 3 4

1. Pooja sold two of her cars for ₹ 350000 each. On one, she made a gain of 25% and on the other a loss of 20%. Find her overall gain or loss.

- A. Loss of ₹ 18000 B. Gain of ₹ 38000 C. Gain of ₹ 42000 D. Loss of ₹ 17500
-

2. Read the given statement carefully and state 'T' for true and 'F' for false.

(i) If the ratio of three numbers is 3 : 4 : 5 and sum of their squares is 1250, then the sum of numbers is 60.

(iii) $\text{Decrease \%} = \left(\frac{\text{Decreased value}}{\text{New value}} \times 100 \right) \%$

(iii) If an article is sold for ₹ p after giving a discount of q%, then its marked price is ₹ $\frac{100p}{100 - q}$

(iv) If 44% of a number is 275, then 64% of the same number is 400.

	(i)	(ii)	(iii)	(iv)
A.	F	F	F	T
B.	T	F	T	T
C.	T	F	F	T
D.	F	T	F	T

3. The population of a state is 50000. It increases by 20% during the first year and 30% during the second year. Find the population after two years.

- A. 64000 B. 78000 C. 82000 D. 78500
-

4. What is the different between the simple interest of ₹ 500 calculated at 5% p.a. for 3 years and 4% p.a. for 4 years?

- A. ₹ 40 B. ₹ 20 C. ₹ 10 D. ₹ 5
-

5. A shopkeeper offers 10% discount on the refrigerator. If the marked price of the refrigerator is ₹ 22500, then find the selling price of the refrigerator.

- A. ₹ 21550 B. ₹ 20500 C. ₹ 21250 D. ₹ 20250
-

6. Kirti lent ₹ 20000 to Kanchan at the rate of 2% per annum compound interest. How much amount will Kanchan pay to Kirti after two years?

- A. ₹ 21800 B. ₹ 20808 C. ₹ 20400 D. ₹ 20740
-



scroll down for Answer key

7. A dealer buys a sofa set for ₹ 30000. At what price must he mark it so that after allowing a discount of 10%, he still makes a profit of 5%?

- A. ₹ 37500 B. ₹ 42450 C. ₹ 35000 D. ₹ 33000
-

8. Read the statements carefully and select the correct option.

Statement-I : If a trader offers two successive discounts of 13% and 8% on an almirah marked for ₹ 20000, then its selling price is ₹ 16008.

Statement-II : On selling a laptop for ₹ 84000, the shopkeeper lost 20%. To gain 10%, he should have sold it for ₹ 115500.

- A. Statement-I is true but Statement-II is false.
B. Statement-I is false but Statement-II is true..
C. Both Statement-I and Statement-II are false.
D. Both Statement-I and Statement-II are true.
-

9. The difference between the compound interest and the simple interest on a certain sum of money for 2 years at 11% per annum is ₹ 363. Find the sum.

- A. ₹ 33,000 B. ₹ 31,000 C. ₹ 30,000 D. ₹ 32,000
-

10. What will be the compound interest on ₹ 15625 for 3 years at 8% p.a., if the interest is compounded annually?

- A. ₹ 4805 B. ₹ 4508 C. ₹ 4580 D. ₹ 4058
-



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Answer Key

1. D
2. B
3. B
4. D
5. D
6. B
7. C
8. B
9. C
10. D



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