Target RBI Grade B 2023 Top 150 Questions Quant / Lecture 4 – Profit & Loss + Interest

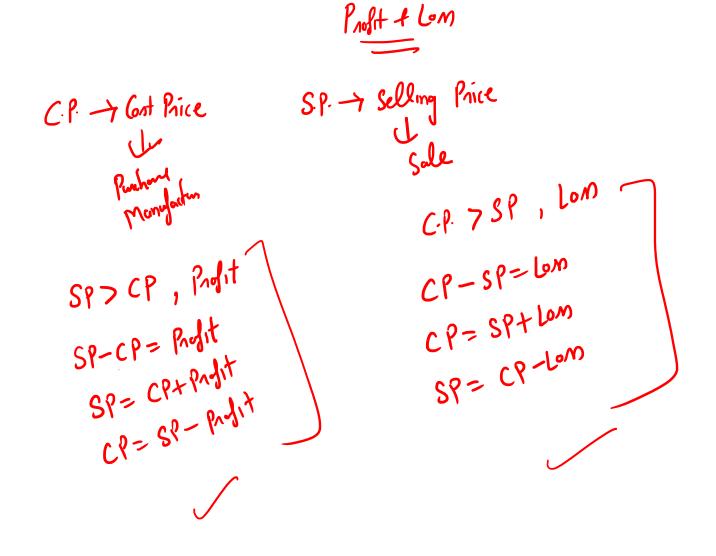
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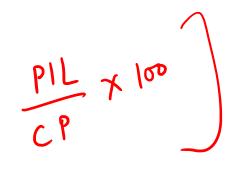


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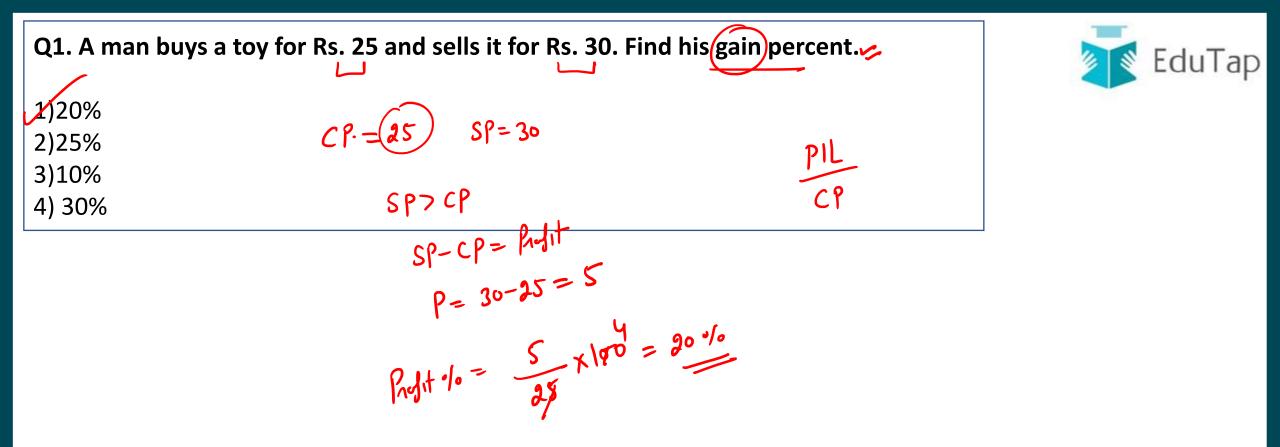








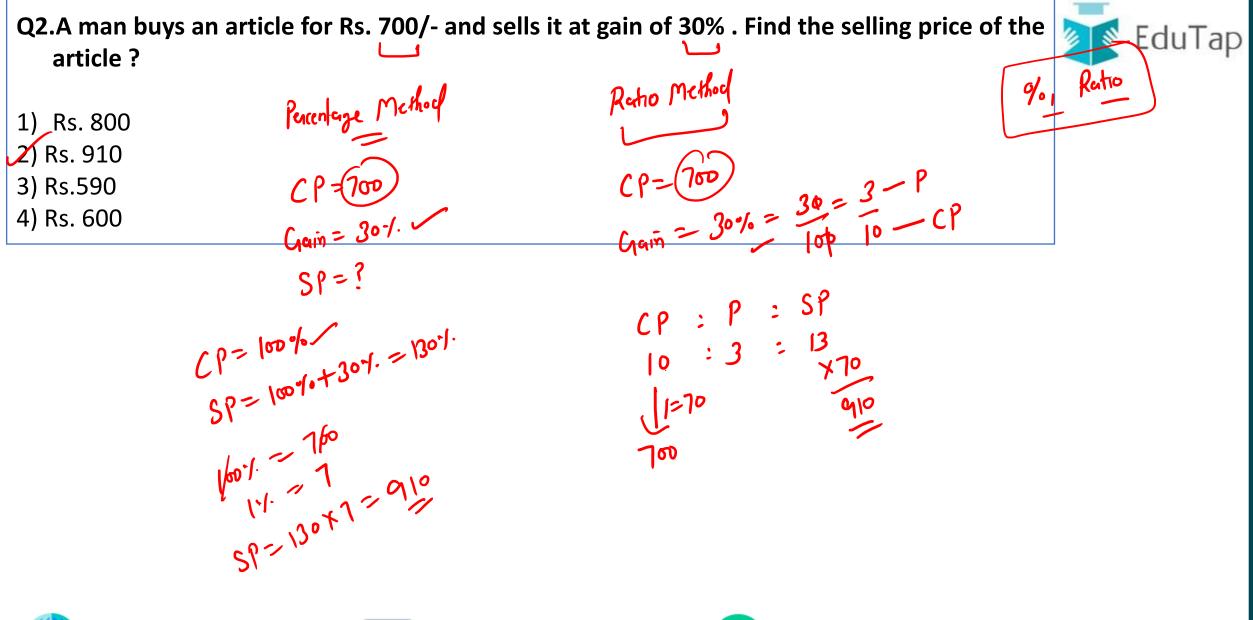
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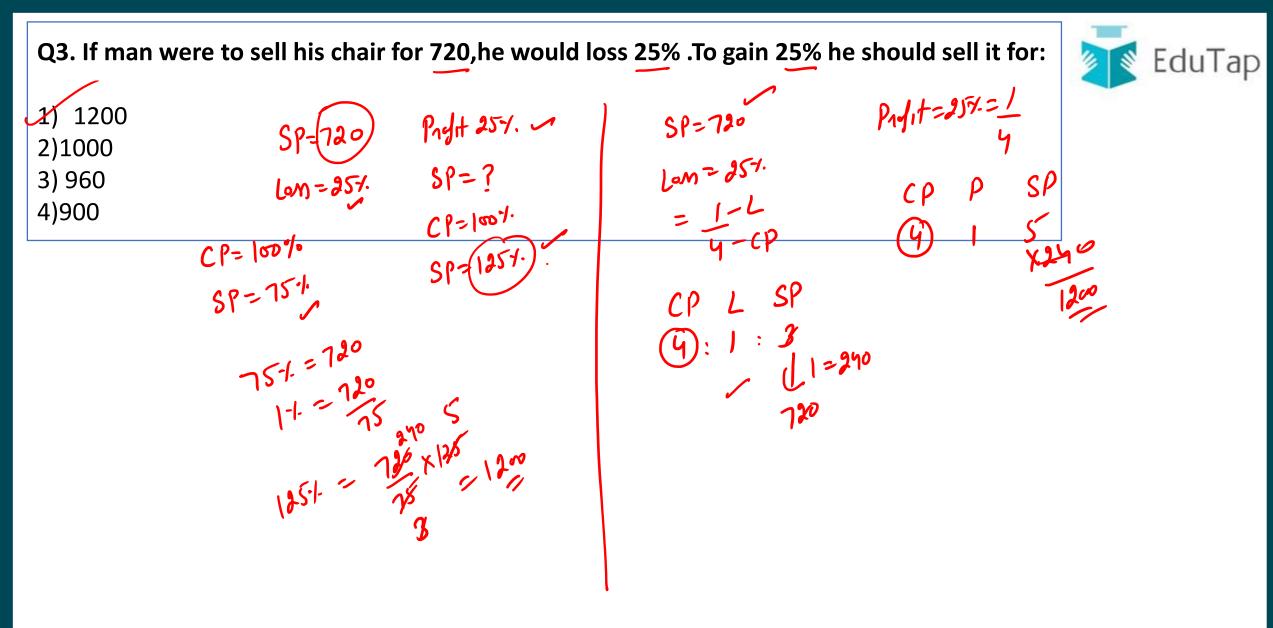




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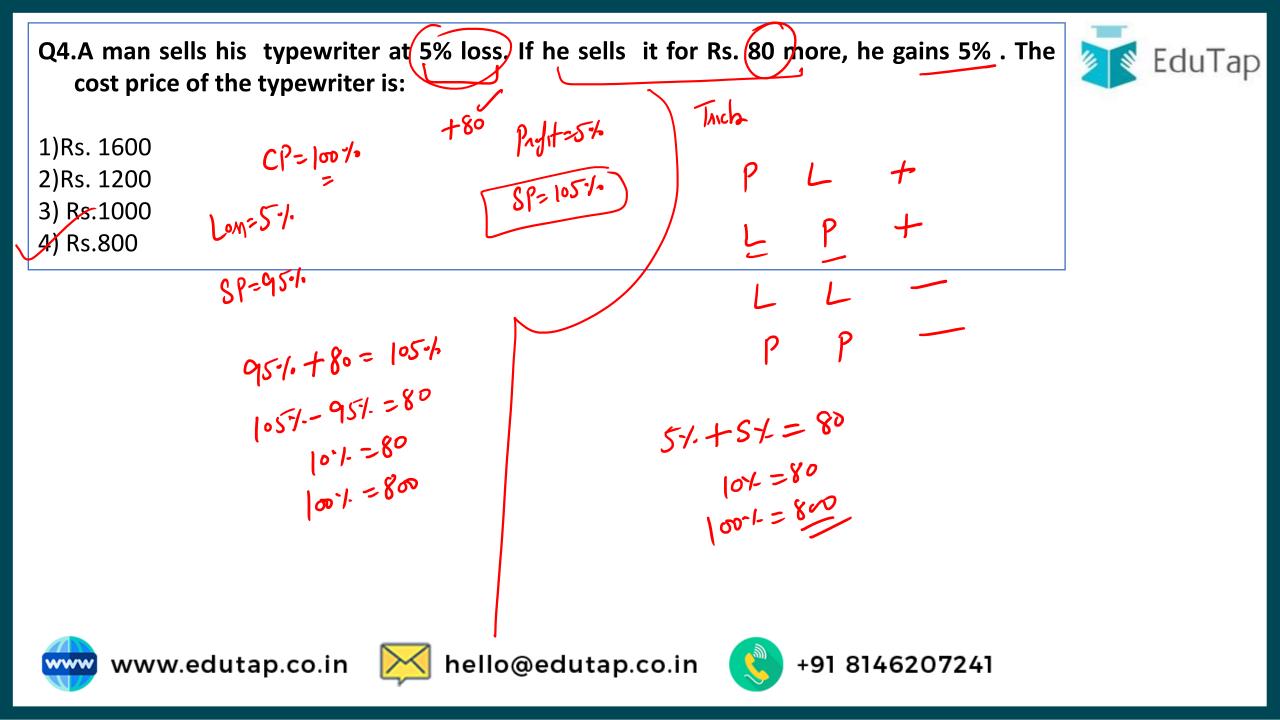


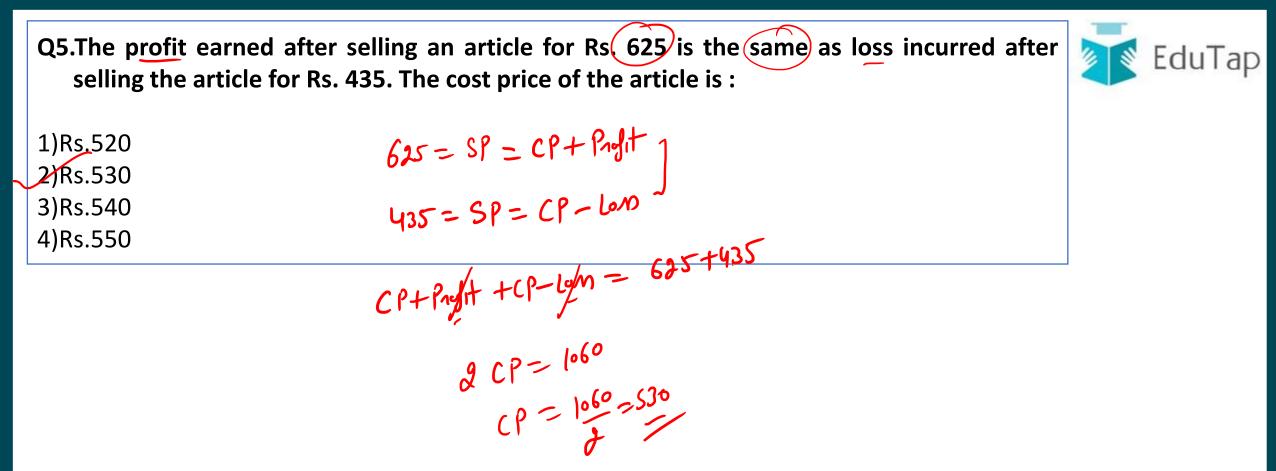










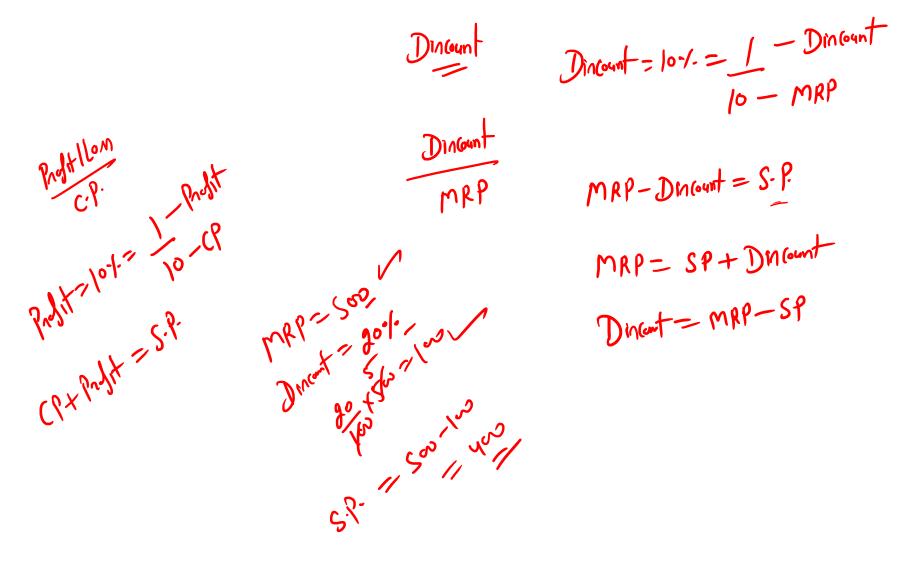








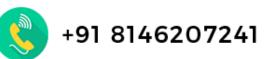


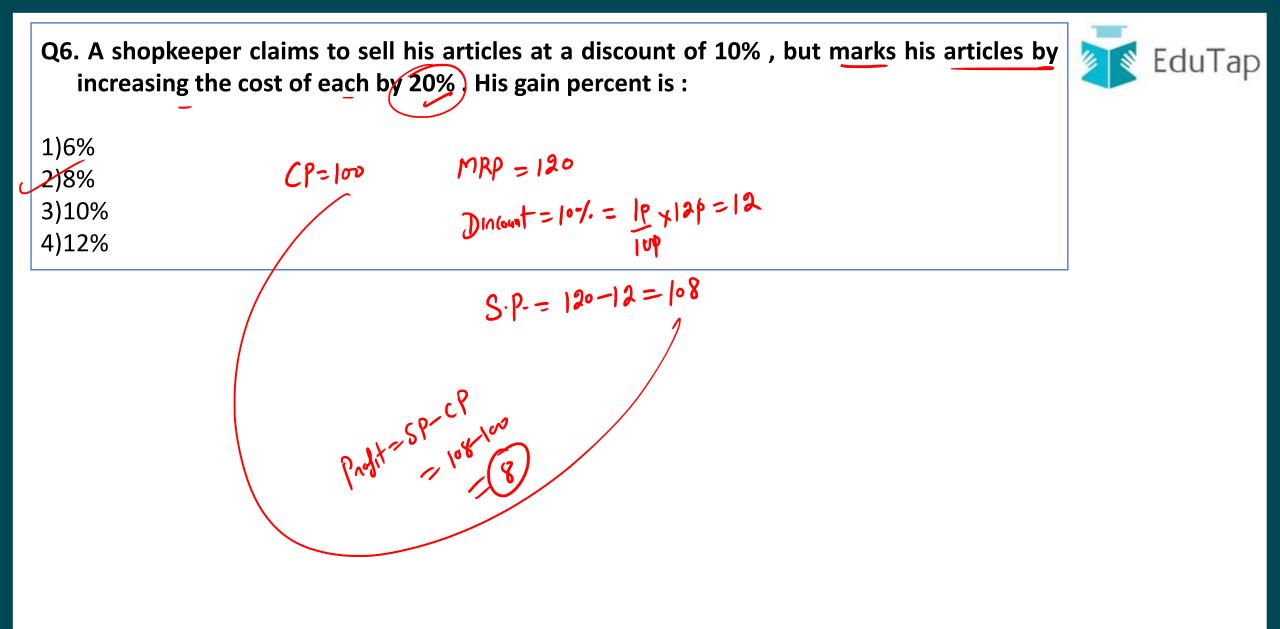


MRP-Dincount = S-P. MRP= SP+ DM count





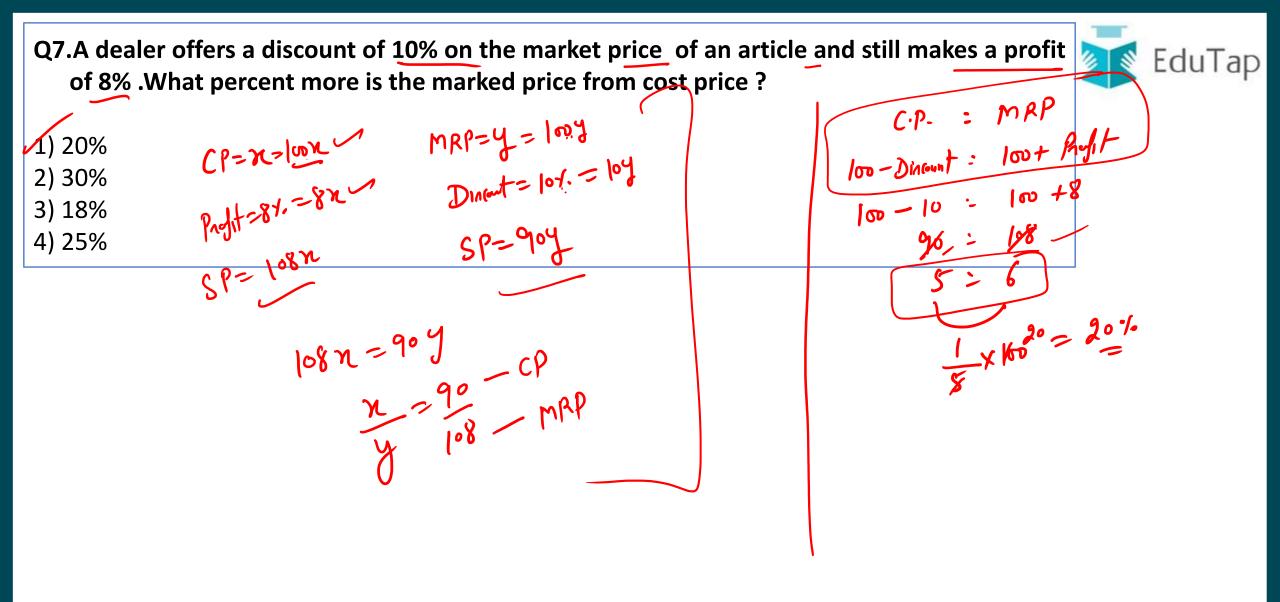








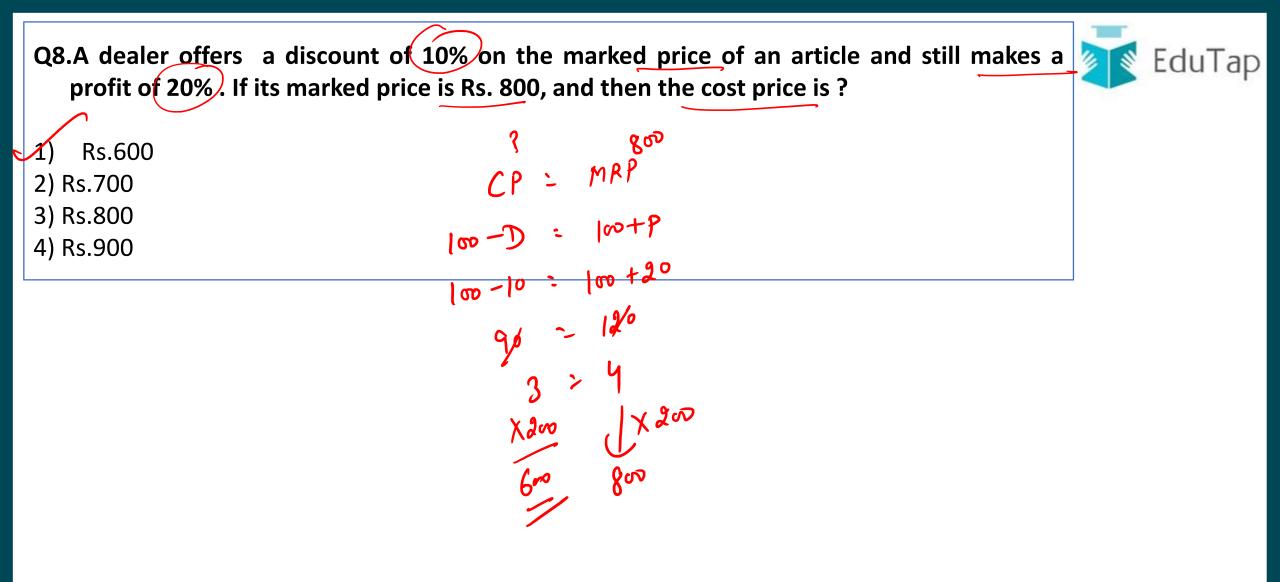








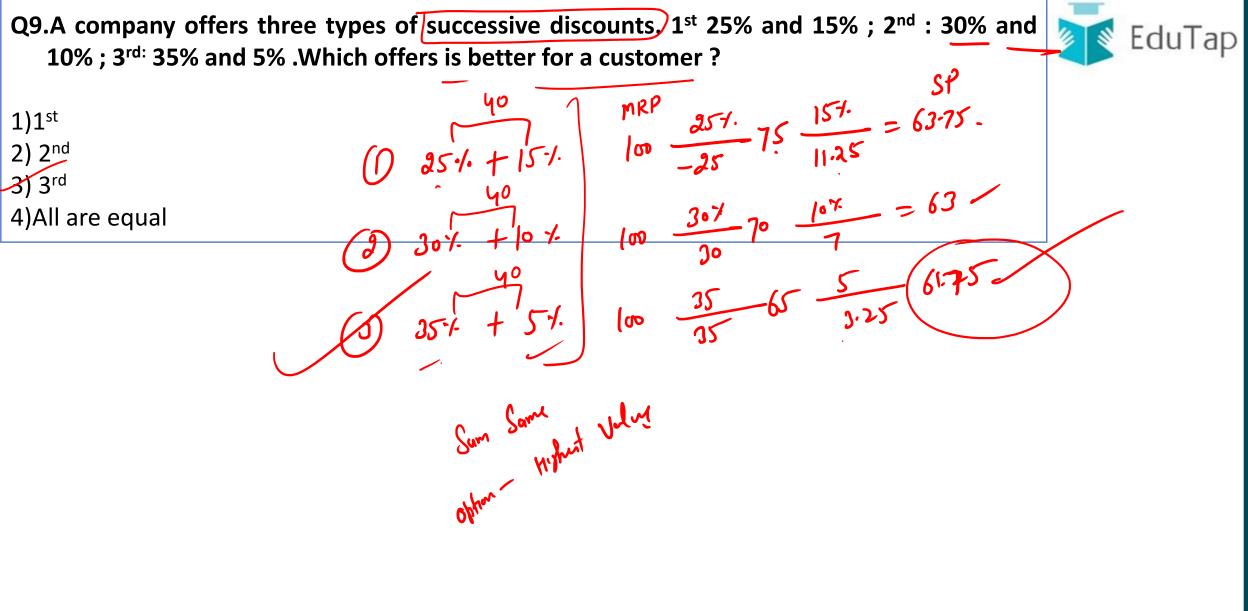








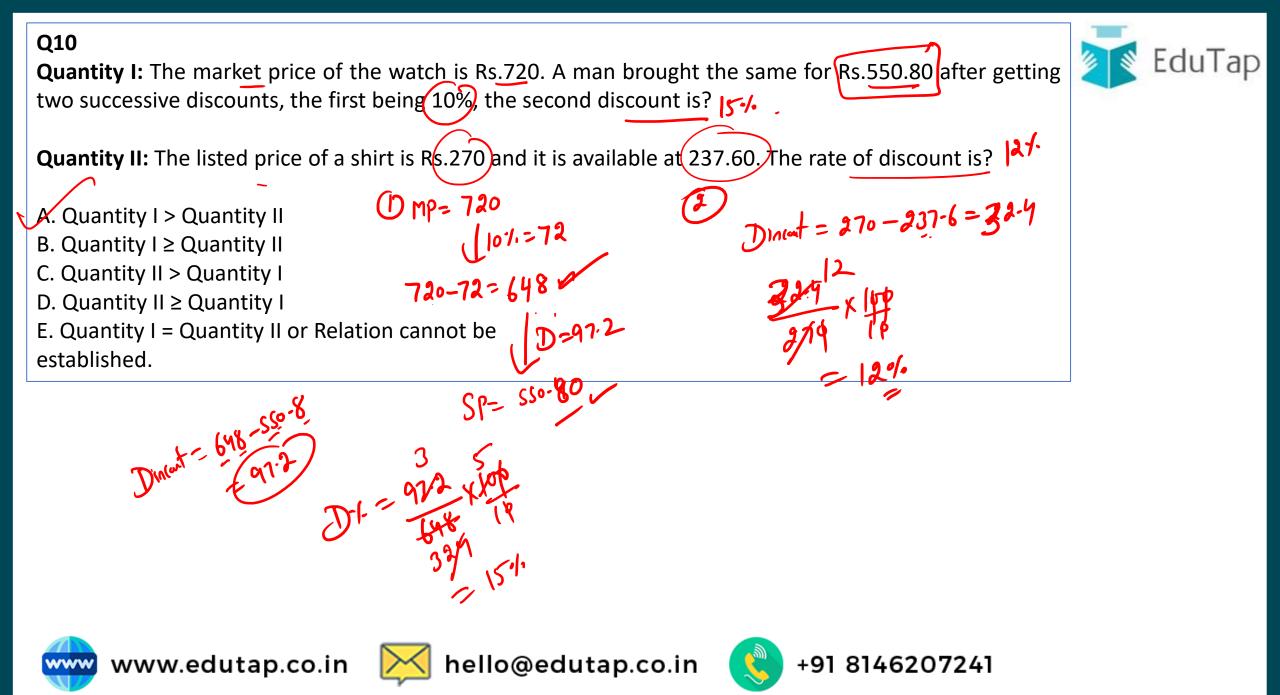




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Q11. What is the selling price of the article?

Statement I: The marked price of the article is 20% more than the cost price of the article and the shopkeeper offers the discount of 15%.

Statement II: Ratio of the cost to marked price of the article is 5:6 and the shopkeeper gets the profit of Rs.80.

A. The data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question

B. The data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question

C. The data either in statement I alone or in statement II alone is sufficient to answer the question

D. The data given in both statements I and II together are not sufficient to answer the question

E. The data given in both statements I and II together are necessary to answer the question.



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MRP

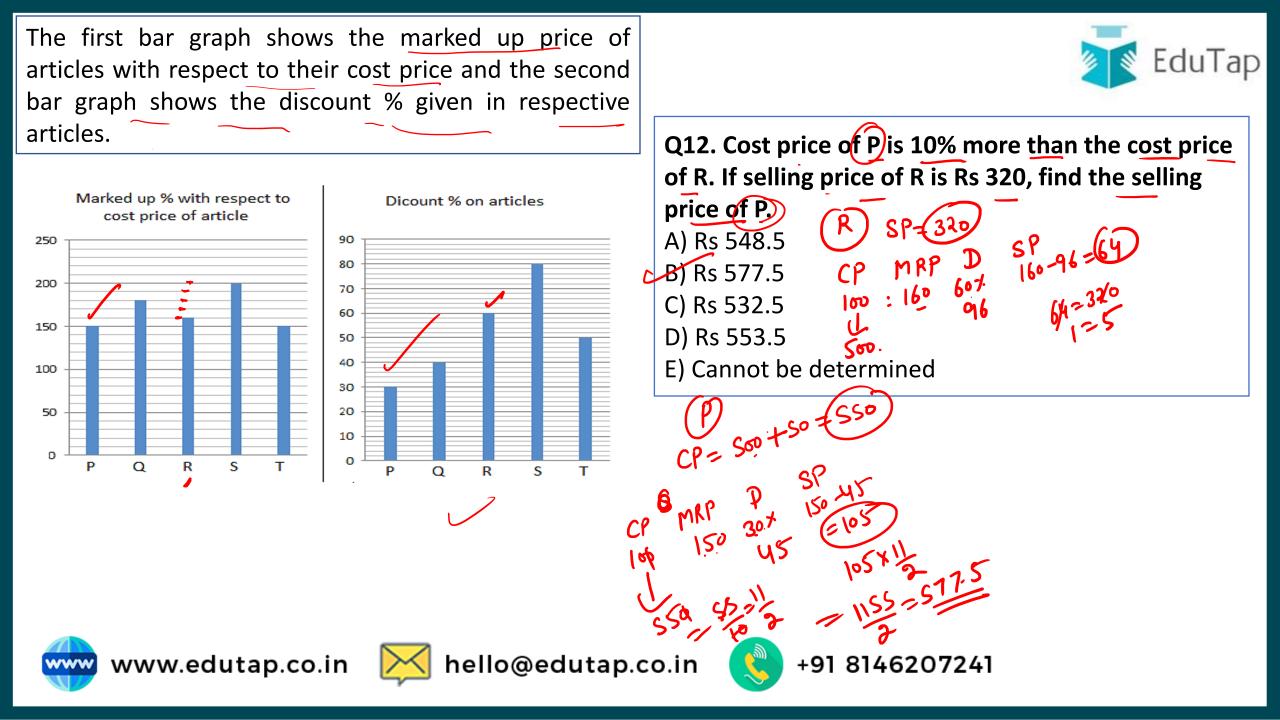
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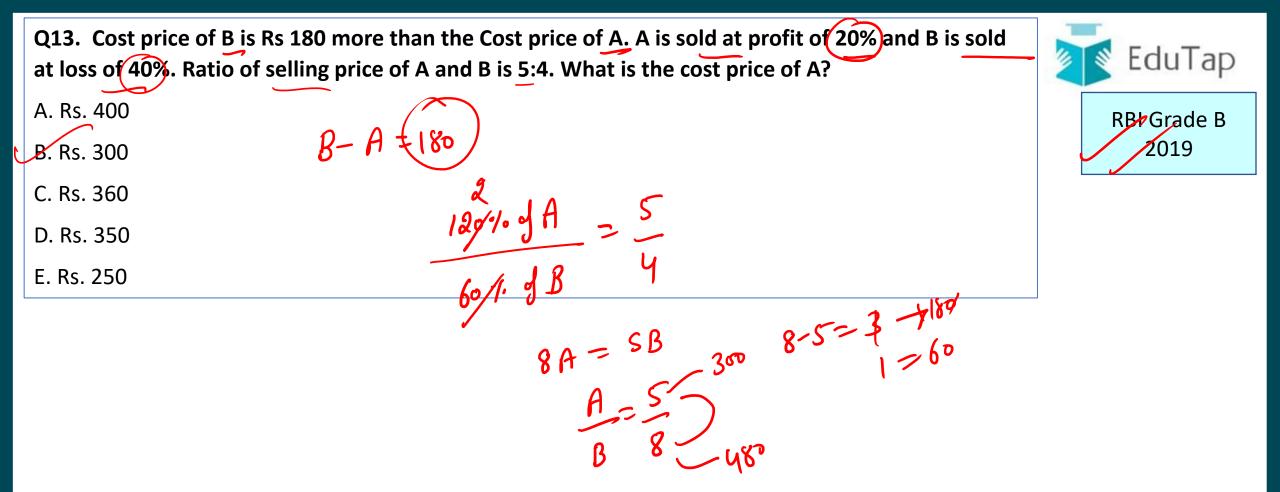
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Profit=80 Rn











Directions (: In each of the following questions 3 statements are given. You have to determine the which statement/statements are necessary to answer the given question:

Q.14) A shopkeeper sells articles at a certain profit. Find out the amount of profit.

A. Ratio of the selling price to the cost price of the articles is 4: 3. **B.** If the cost price increases by Rs 500, and selling price remains the same, the profit percentage is decrease by $13\frac{8}{9}\%$.

C. If the marked price is kept at Rs 1000 above the cost price and a discount

of 15% is given, then the profit percentage is decreased by $18\frac{3}{4}$.%.

- A. Only A and B together
- B. A and either B or C
- C. Only A and C together
- D. All statements are required
- E. None of these

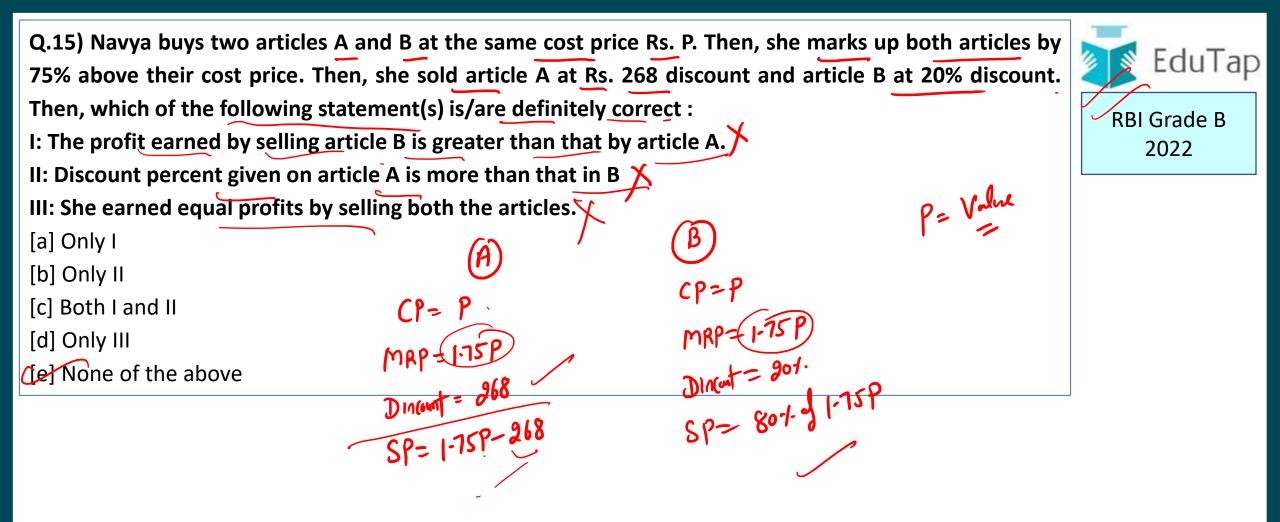










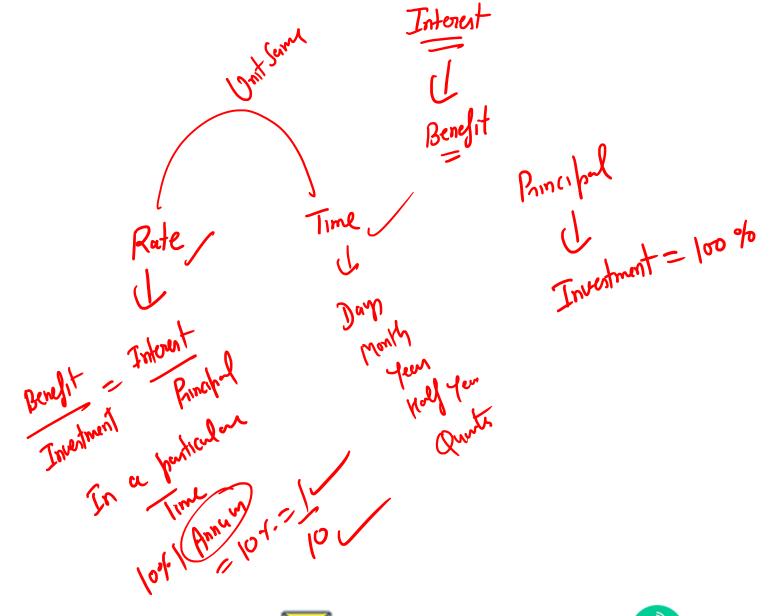










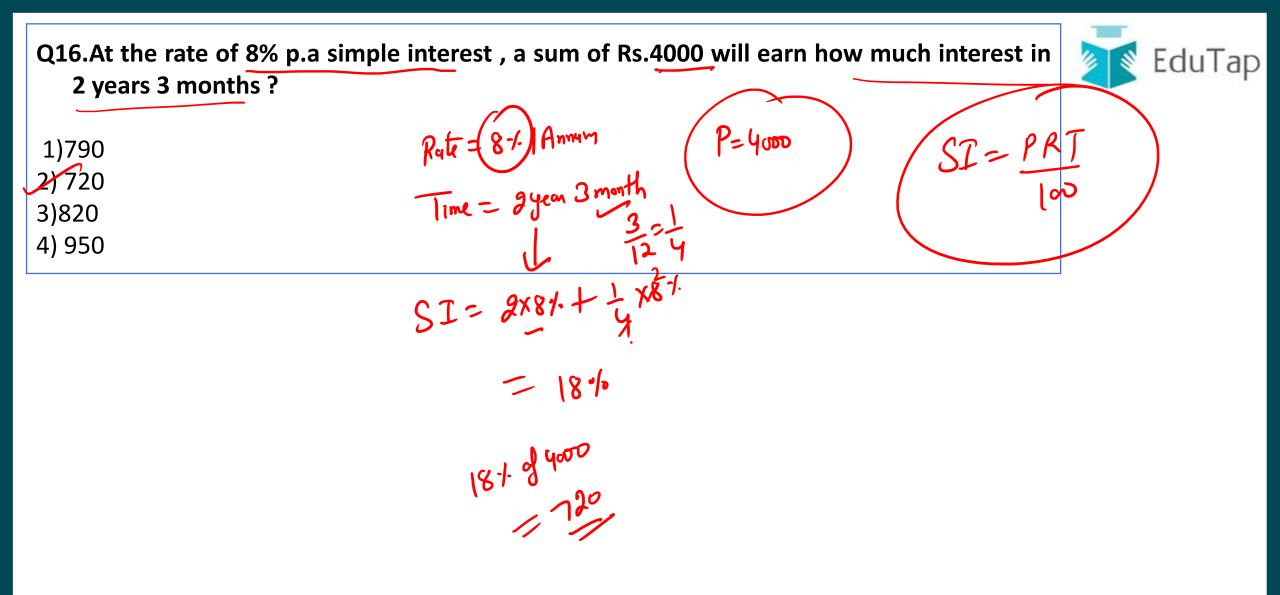








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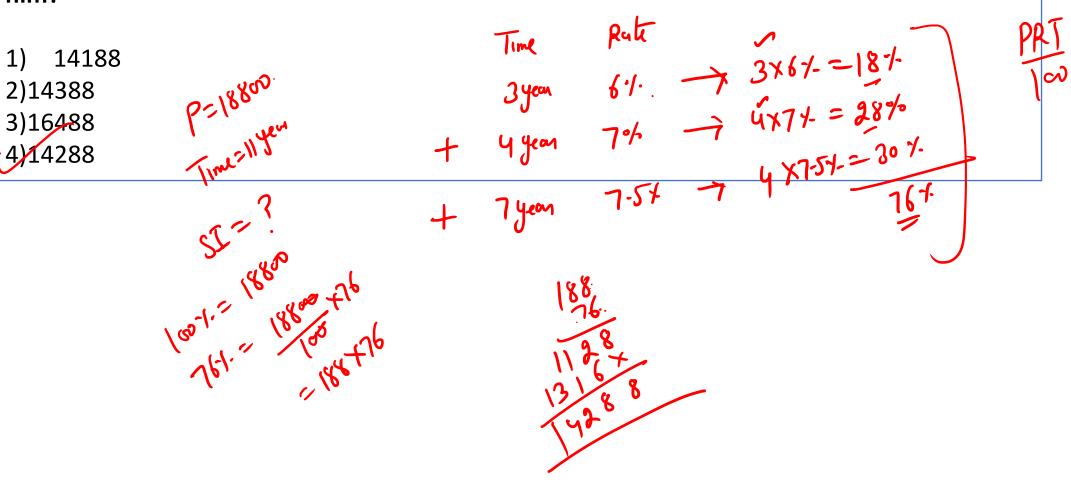








Q17.The rate of S.I for 1st 3 years is 6%, for next 4 years it is 7%. And the period beyond 7 years it is 7.5% per annum. If a man invest Rs, 18800 for 11 years, find the SI earned by him?



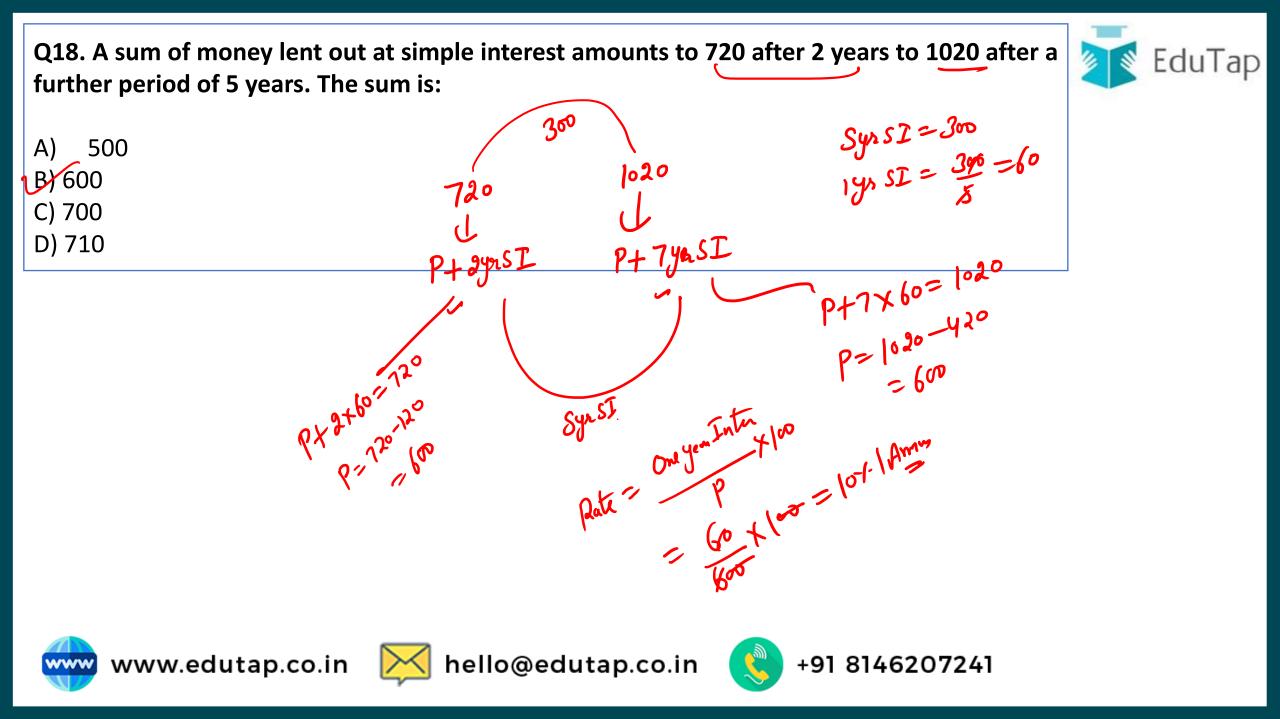


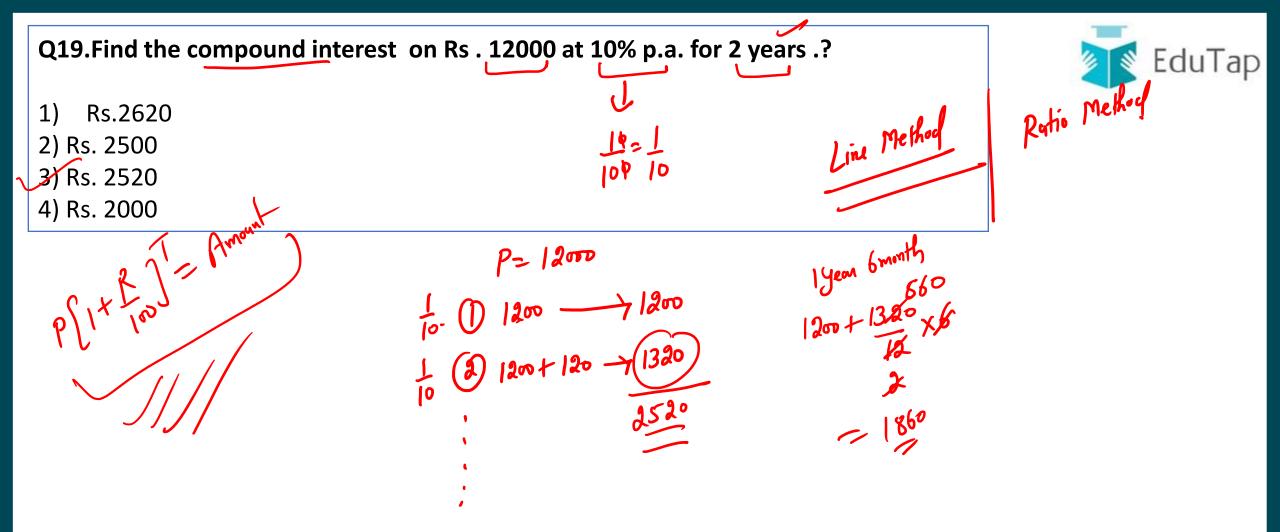


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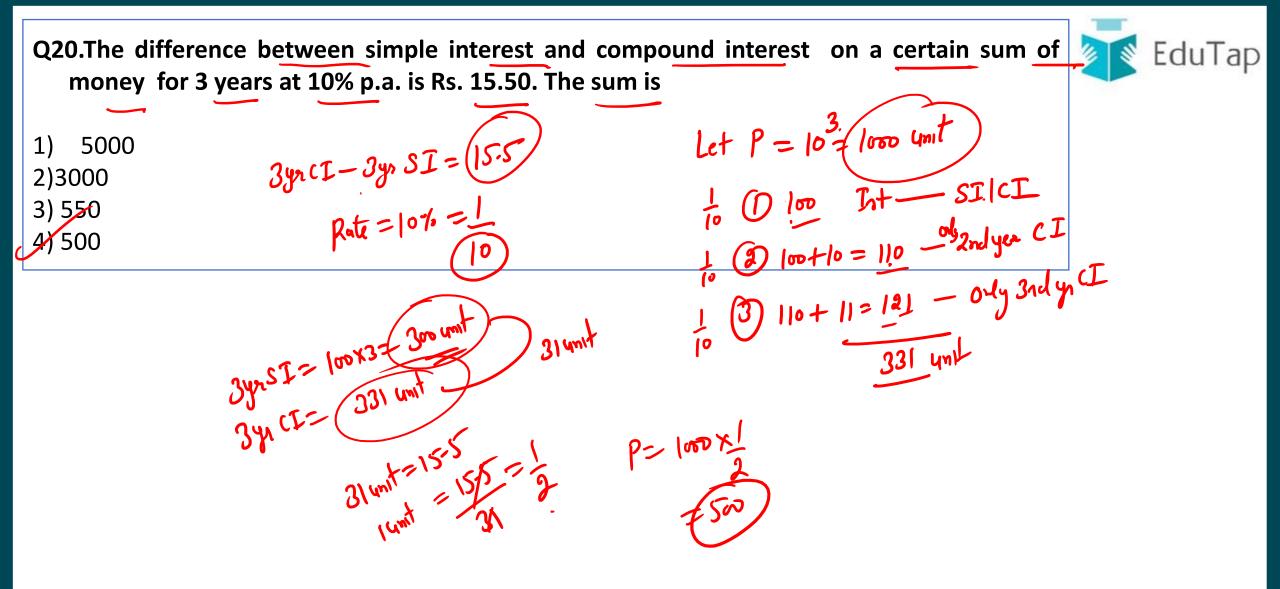








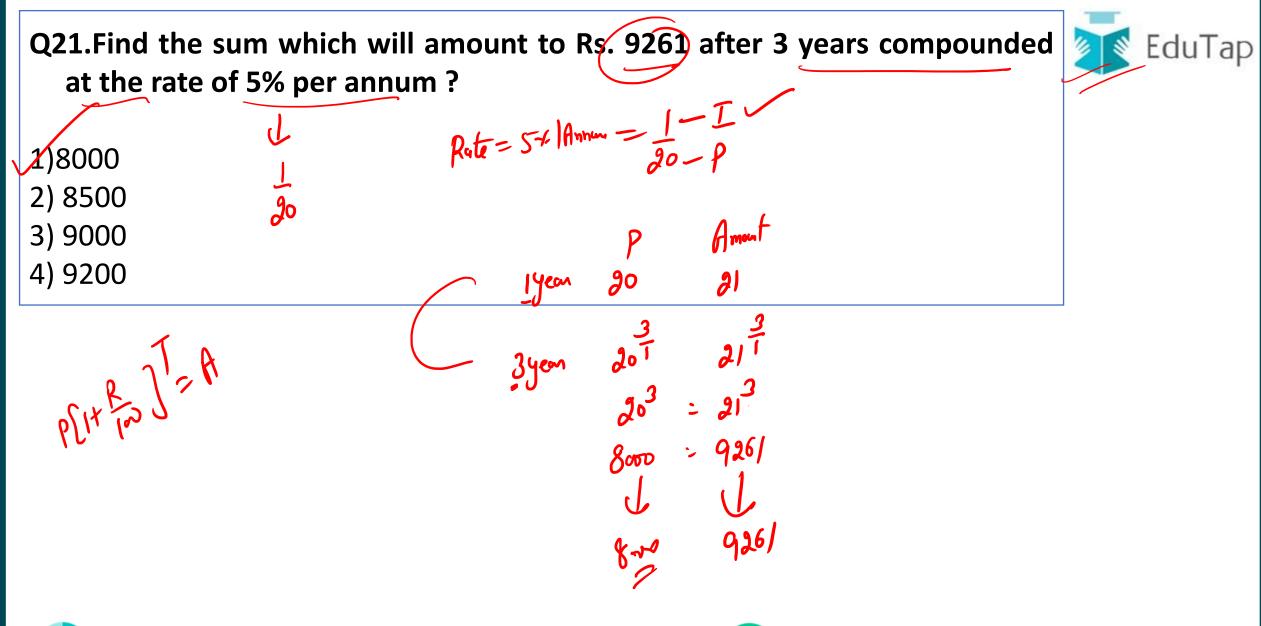




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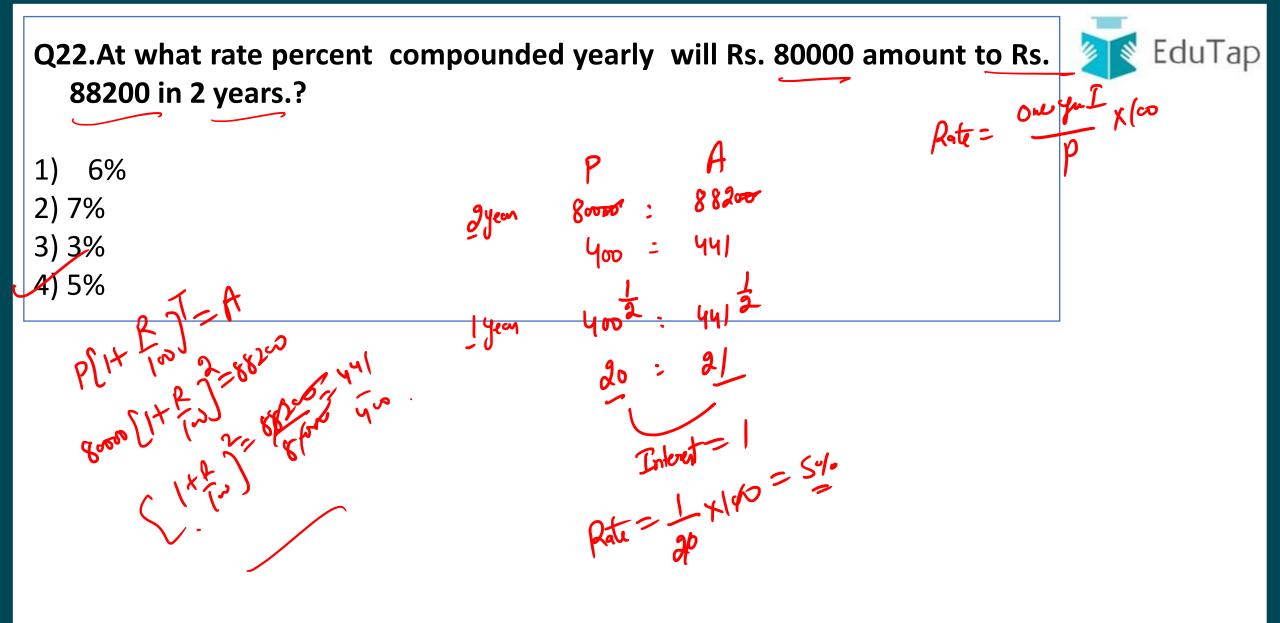




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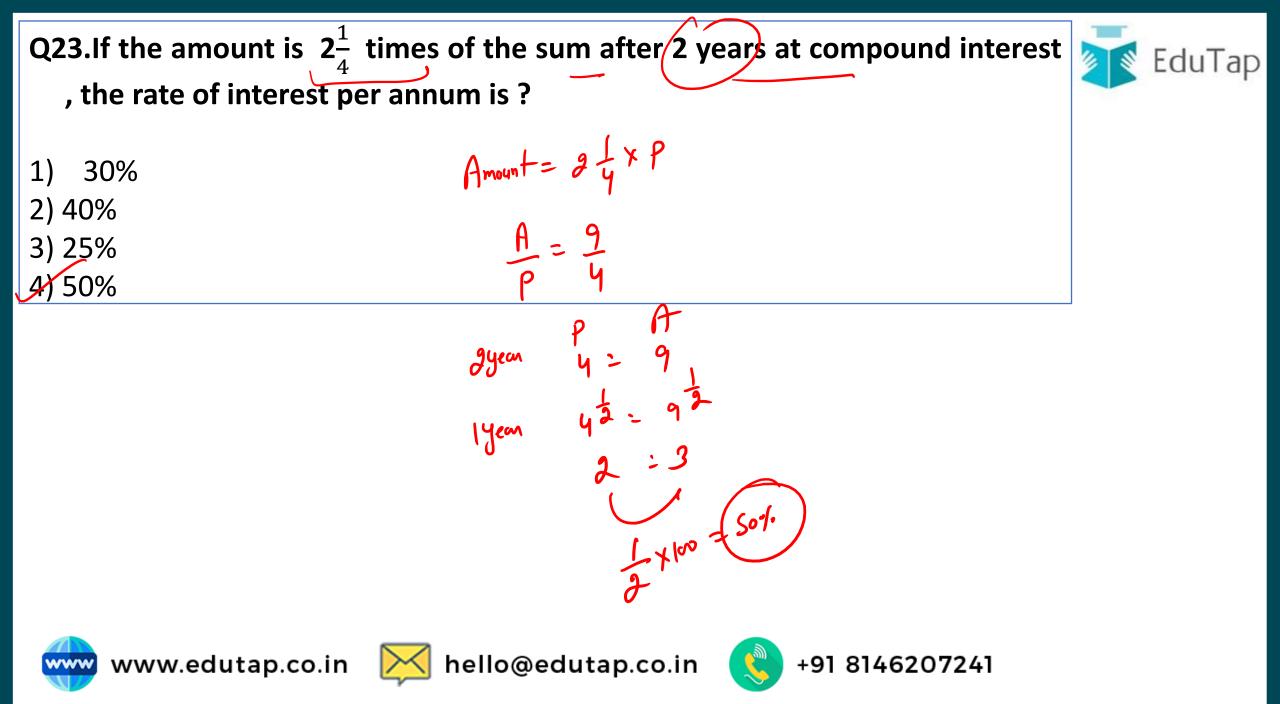




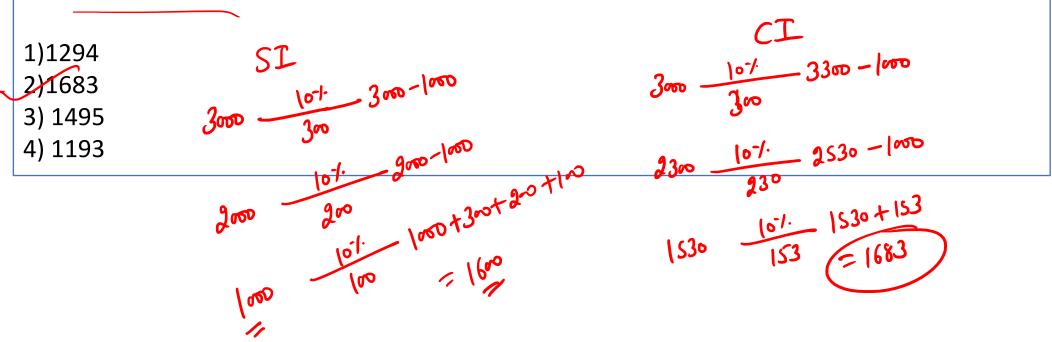








Q24.A man borrows Rs. 3000 at 10% compound rate of interest .At the end of each year he pays back Rs. 1000 . How much amount should he pay at the end of the third year to clear all his dues.?



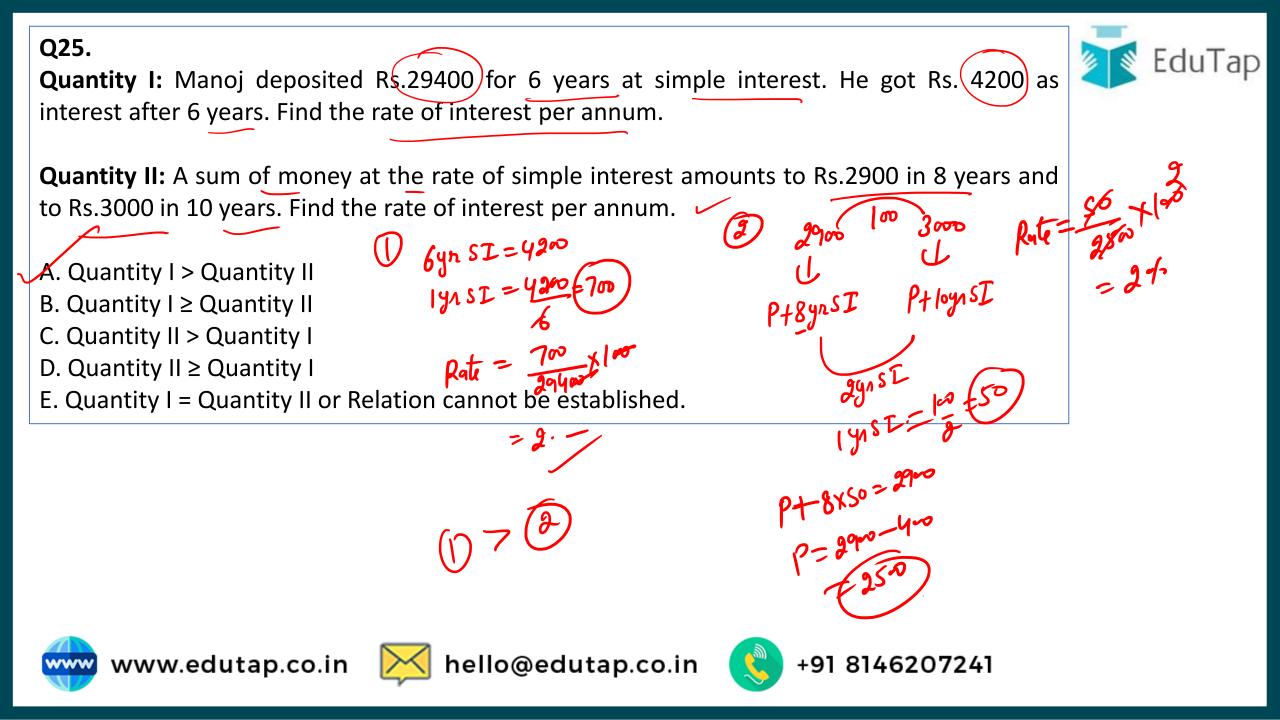




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Q26. Ajay took a certain amount of money as a loan from a bank at the simple interest per annum and gave the same amount of money to Rajiv as a loan at the simple interest per annum. If at the end of 8 years, he made a profit in the transaction, then find the original amount?



Statement I: Loan taken by Ajay from the bank and loan given by the Ajay to Rajiv is at the rate of interest of 20% and 25% respectively.

Statement II: The amount of profit earned in the whole transaction by Ajay is Rs. 11,211.

- **A.** The data in statement I alone is sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
- **B.** The data in statement II alone is sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.
- **C.** The data either in statement I alone or in statement II alone is sufficient to answer the question.
- **D.** The data given in both statements I and II together are not sufficient to answer the question.
- E. The data given in both statements I and II together are necessary to answer the question.





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A person invested different amount in different years at different rate of interest for different years as described in below table. Some values are missing. Answer the questions on the basis of given table and information in question.

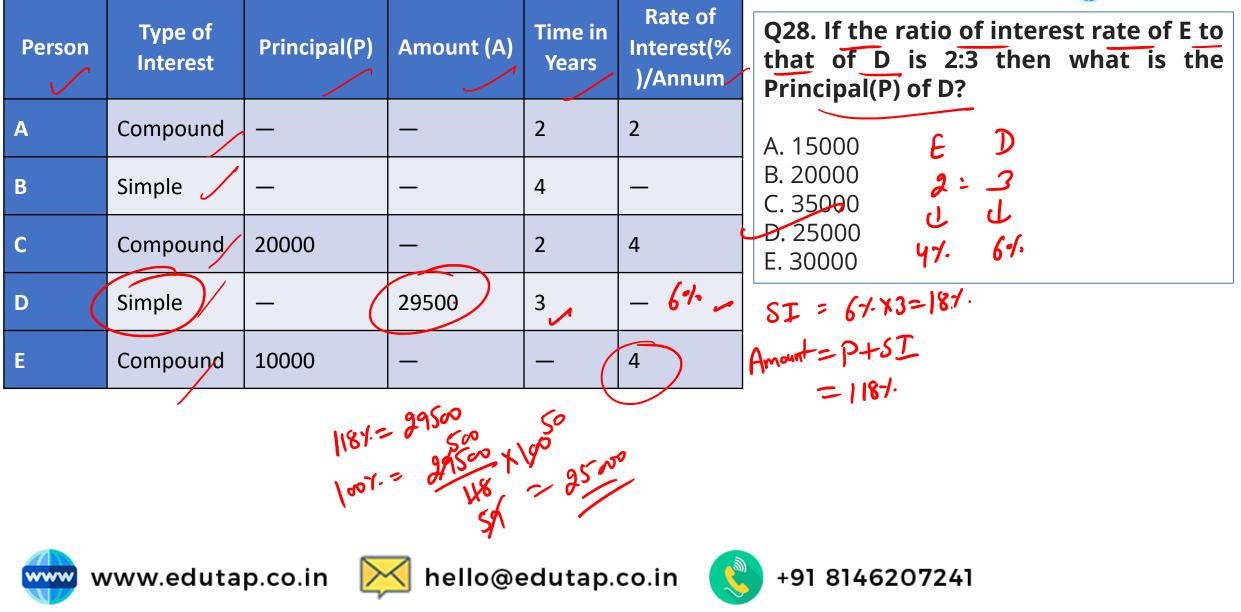
I = Interest received after 1 year

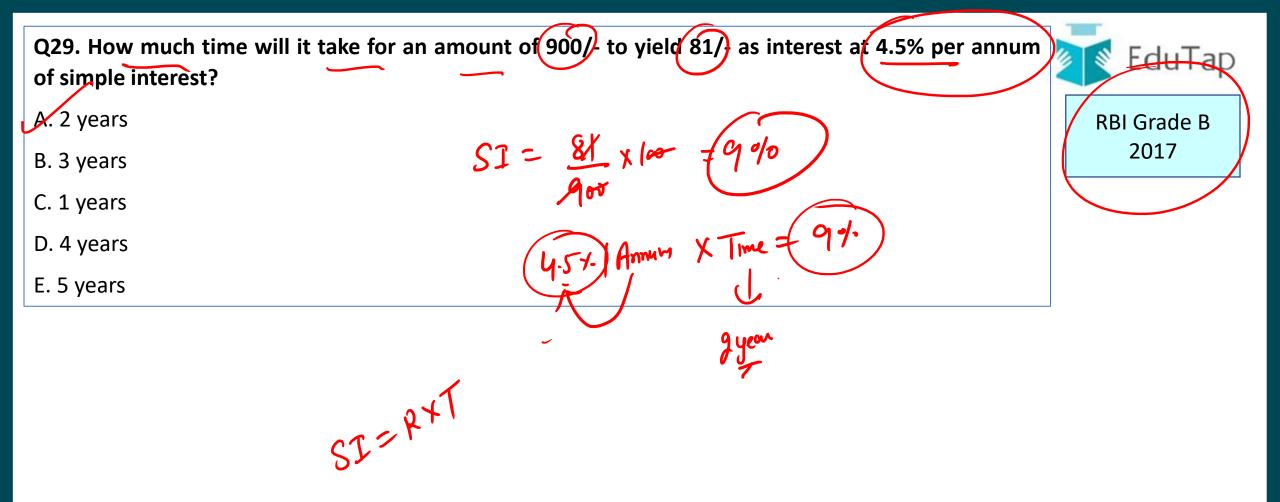
Year	Interest ' Type '	Principal	Rate%	Time in Years	-	Q27. In 2014, the difference between compound interest and simple interest for the given period is Rs 40. If the sum is invested for 3 years, what will be the compound interest after 3 years? A) Rs 2728 B) Rs 2655 $\frac{1}{20}$ (1) $\frac{800}{7800}$ 7 $\frac{7}{800}$ C) Rs 2328 $\frac{1}{20}$ $\frac{2}{800}$ + 40 $\frac{7}{840}$ D) Rs 2522 $\frac{1}{20}$ $\frac{2}{800}$ + 40 $\frac{7}{840}$ E) Rs 2544 $\frac{1}{20}$ $\frac{3}{840}$ + 42 $\frac{7}{882}$ E) Rs 2544 $\frac{1}{20}$ $\frac{3}{840}$ $\frac{7}{42}$ $\frac{7}{802}$ $\frac{3}{800}$ $\frac{7}{800}$ $\frac{3}{800}$ $\frac{7}{800}$ $\frac{7}{800}$ $\frac{3}{800}$ $\frac{3}$
2012	Simple/ Compound	Rs. 15000 🦯	6%/5%	5/		
2013	Compound	Rs. 25000	4%			
2014	Compound			2 🗸	Rs. 800	
2015	Simple	Rs. 25000		8	Rs. 1750	
2016	Simple			6	Rs. 2800	$\frac{1}{20} \frac{1}{9} P = 800$ $\frac{1}{7} \frac{1}{10} $

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Refer to the table and answer the given questions





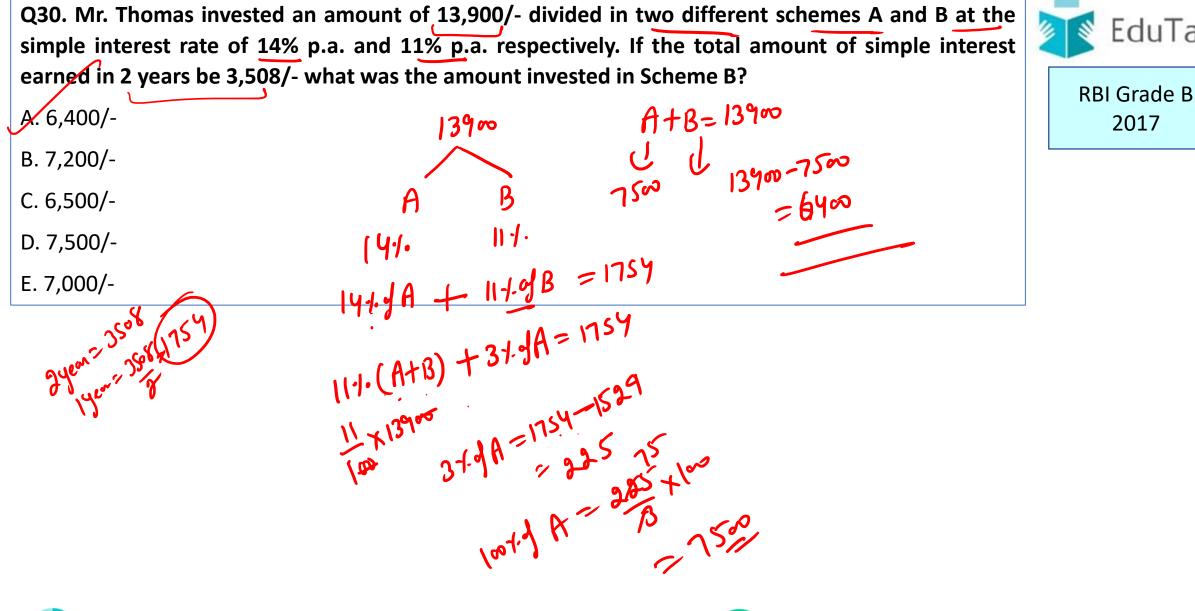


















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Q31. Akash borrowed Rs 12000 from a bank at the rate of 6% for 8 years. After a certain period of time, the government introduced a scheme which reduced the interest rate by 3%. At the end of 8 years, Akash paid Rs 16680 in total then after how much time the government introduced the scheme?



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- A. 6
- **B.** 5
- C. 2
- **D. 3**
- E. None of these.









Q.32) Rinku borrowed an amount of Rs 5000 from Milan and Rahul. What is the rate of interest?

A. Rinku returned the amount of Rs 5400 after due date to Milan. earrow

B. Rinku returned Rs 5900 to Rahul after due date.

C. Rinku returned the money to Milan by SI, whereas to Rahul by compound interest.

- A. Only A and B together are sufficient
- B. Only B and C together are sufficient
- C. A, B and C together are necessary
- D. Either A and B together or B and C together are sufficient
- F. A, B and C even together are not sufficient

Rate 0



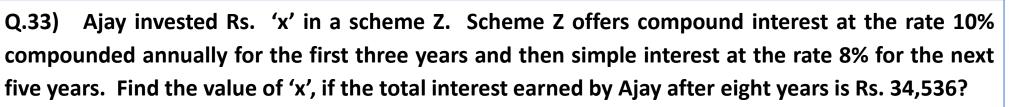
Time = 7











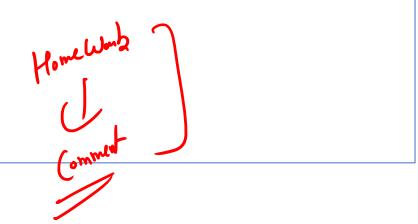
A. Rs. 45000

B. Rs. 36000

C. Rs. 48000

D. Rs. 36000

E. Rs. 40000



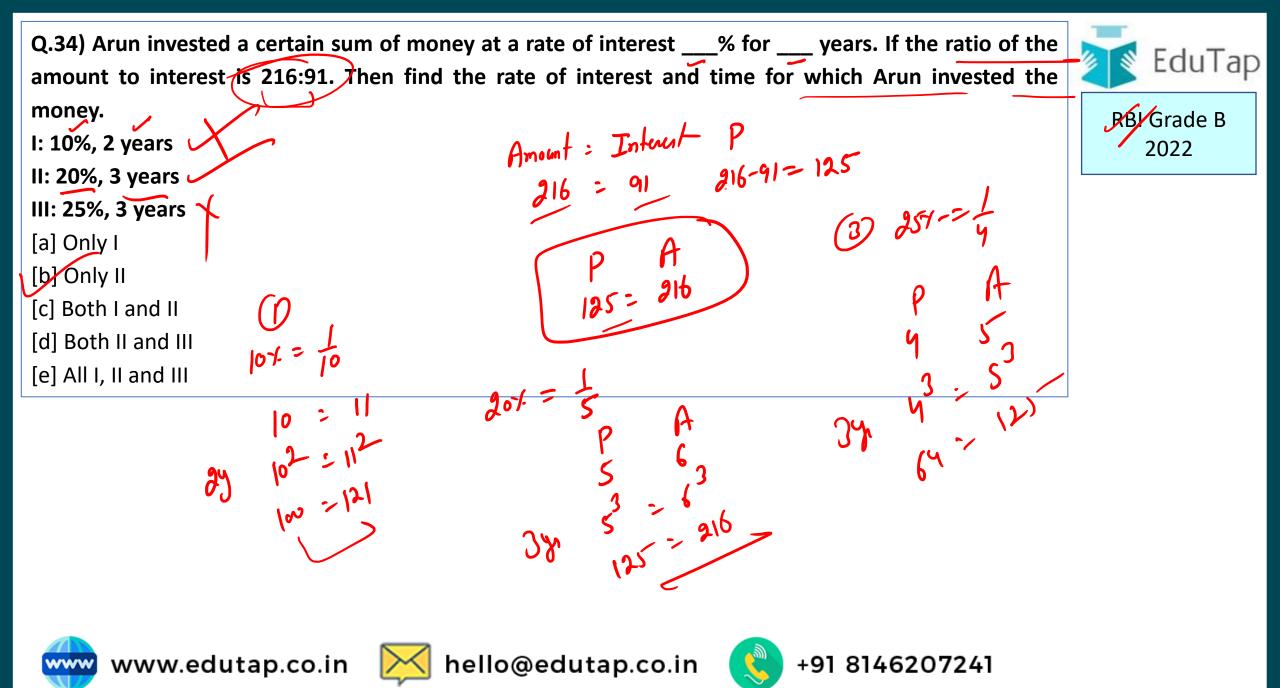


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Q.35) Rs. 13000 was invested for 2 years in scheme A which offers compound interest, and the rate of interest ____% per annum. The amount received after 2 years from scheme A is Rs. 15,730. What approximate amount is received on investing the amount obtained from scheme A again in a different, **RBI Grade B** scheme B for 2 years where the interest rate of scheme B is twice the rate of interest of scheme A? 2022 I. 10%, Rs 22,651 II. 12%, Rs 23,784 Homewint III. 15%, Rs 26,584 [a] Only I [b] Only II [c] Only I and II [d] Only I and III [e] All I, II and III









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