CITIUS

Percentages; Profit, Loss and Discount; Simple Interest; and Data Handling

Question 1	The mode of 9, 12, 15, 12, 9, 10, 11 and 12 is _____.
	• 12
	• 10
	• 11
	• 10.5
Question 2	A person incurs a loss of 5% by selling a watch for ₹ 1140. At what price should the watch be sold to earn 5% profit?
	• ₹ 1200
	• ₹ 1230
	• ₹ 1260
	• ₹ 1290
Question 3	A shopkeeper sold two watches for ₹ 1485 each. On one he gains 10% and on the other he loses 10%. Find his gain or loss percentage in the whole transaction.
	• neither gain nor loss
	• 1% loss
	• 1% gain
	• 5% gain

Question 4	The mean of first five prime numbers is _____.
	• 5.6
	• 7.8
	• 3.9
	• 4.1
Question 5	A manufacturer wants to earn 20% profit on a table that cost ₹ 1000. How much should he charge?
	• ₹ 1000
	• ₹ 800
	• ₹ 400
	• ₹ 1200
Question 6	If selling price < cost price, then
	• selling price = cost price – loss
	• cost price = selling price + loss
	• loss = cost price – selling price
	• all of the above
Question 7	A trader increases the SP of his article in the ratio 8 : 5. What is his profit per cent?
	• 50%
	• 40%
	• 60%
	• 100%

Question 8	If ₹ 7680 is invested in an account at 5% annual simple interest, how long will it take the account balance to grow to ₹ 8640? • 3.5 years • 2.5 years • 7.5 years • 1.5 years
Question 9	A and B borrowed ₹ 3000 and ₹ 3500 respectively at the same rate of simple interest for 3 years. If B paid ₹ 150 more interest than A, find the rate of interest per annum. • 40% • 30% • 20% • 10%
Question 10	The mean of 12 observations was found to be 35. Later on, it was found that an observation 56 was wrongly taken as 32. What is the correct mean? • 31 • 32 • 33 • 34

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Answers

Answer 1	12
Answer 2	₹ 1260
Answer 3	1% loss
Answer 4	5.6
Answer 5	₹ 1200
Answer 6	all of the above
Answer 7	60%
Answer 8	2.5 years
Answer 9	10%
Answer 10	33