1. A man spends 35% of his income on food, 25% on children's education, and 80% of the remaining on house rent. What percent of his income is left with? (Accenture)

A) 6 % B) 8 % C) 10 % D) none of these

Hint: - Let the total income be x. Then, income left = (100 - 80)% of [100 - (35 + 25)] % of x = 20% of 40% of x = [(20/100) * (40/100) * 100] % of x = 8 % of x.

Answer B

2. You went to buy 3 articles worth Rs 500 each. However, as per the discount sale going on in the shop, you paid for two and got one free. What is the discount percentage in the deal? (Cognizant)

A) 30% B) 33% C) 33.33% D) none of these

Hint: - 1/3*100 = 33.33%

Answer C

3. The sum of the number of boys and girls in a school is 150. If the number of boys is x, then the number of girls becomes x% of the total number of students. The number of boys is : (Tech Mahindra)

A) 60 B) 70 C) 80 D) none of these

Hint: - X + (X% of 150) = 150

Answer A

4. If the selling price is doubled, the profit triples. Find the profit percent? (Tech Mahindra)

A) 100% B) 200% C) 300% D) none of these

Hint: - P = SP – CP

Answer A

5. If books bought at prices ranging from Rs. 200 to Rs. 350 are sold at prices ranging from Rs. 300 to Rs. 425, what is the greatest possible profit that might be made in selling eight books? (Accenture)

A) 600 B) 1200 C) 1800 D) none of these

Hint :- P = SP – CP

Answer C

6. The profit earned by selling an article for Rs 753 is equal to the loss incurred when the same article is sold for Rs. 455. What should be the sale price for making a 50% profit? (Wipro)

A) Rs 855 B) Rs 955 C) Rs 906 D) None of these

Hint: - The Profit of the first article is equal to the loss of the second article. compare them to find the CP

Answer C

7. A shopkeeper sells two articles at Rs 1000 each, making a profit of 20% on the first article and a loss of 20% on the second article. Find the net profit or loss that he makes? (Cognizant)

A) 2% B) 4% C) 3% D) none of these

Hint: - Formula of increment and decrement

Answer B

8. A sum of money amounts to Rs . 6690 after 3 years and to Rs 10,035 after 6 years on compound interest. Find the sum. (Infosys)

A) 4360 B) 4460 C) 4560 D) none of these

Hint: - Formula of Amount on CI.

Answer B

9. A sum of money at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 in 4 years. The sum is: (Wipro)

A) 650 B) 690 C) 698 D) none of these

Hint: - Formula of Amount on SI.

Answer C

10. A sum of Rs.. 312 was divided among 100 boys and girls in such a way that the boys got Rs. 3.60 and each girl Rs. 2.40. The number of girls is. (Cognizant)

A) 35 B) 40 C) 45 D) none of these

Hint: - Forming the Equation

Answer B

11. A, B, and C have a few coins with them. 7 times the number of coins that A has is equal to 5 times the number of coins B has, while 6 times the number of coins B has is equal to 11 times the number of coins C has. What is the minimum number of coins with A, B, and C put together? (TCS)

A) 110 B) 174 C) 154 D) none of these

Hint: - Scaling concept

Answer B

12. The cost of a diamond varies as the square of its weight. A diamond weighing 20 decigrams costs Rs. 4,800. Find the cost of a diamond of the same kind weighing 8 decigrams. (Infosys)

A) Rs. 762 B) Rs. 760 C) Rs. 768 D) None of these

Hint: - $C \alpha W2 \Rightarrow C = kW2$. $4800 = k(20)2 \Rightarrow k = 12$. Now $C = 12(8)2 \Rightarrow C = 768$.

Answer C

13 8 litres are drawn from a cask full of wine and are then filled with water. This operation is performed three more times. The ratio of the quantity of wine now left in cask to that of the water is 1665. How much wine did the cask hold originally? (TCS)

A) 18 litres B) 24 litres C) 32 litres D) none of these

Hint: - Use the formula of successive replacement

Answer B

14. A vessel is full of a mixture of methanol and ethanol in which there is 20% ethanol. 10 litres of mixture are drawn off and filled with methanol. If the ethanol is now 15%, what is the capacity of the vessel? (Infosys)

A) 40 l B) 30 l C) 50 l D) none of these

Hint: - Use the rule of allegation

Answer A

15. A group of 20 people has the oldest person at 90 years of age. The average of the group is reduced by 4, if the oldest person is reduced by someone new, Find the age of the new person. (TCS)

A) 80 years B) 60 years C)10 years D) none of these

Hint: - Difference between the age of the oldest and the newest member = 20 * 4 (because by this number the sum of ages of all the persons in the group has reduced) = 80 years

90-80 = 10

Answer C