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Profit & Loss And Ratio & Proportion 01

01. A milkman mixes 20L of water with 80L of milk. After selling one-fourth of this mixture, he adds a water to replenish the quantity that he has sold. What is the current proportion of water to milk ?

(a) 2 : 3   (b) 1 : 2   (c) 1 : 3   (d) 3 : 4

02. Using only 2, 5, 10, 25 and 50 paise coins, what will be the minimum number of coins required to pay exactly 78 paise, 69 paise and Rs 1.01 to three different persons?

(a) 19   (b) 20   (c) 17   (d) 18

03. Instead of walking along two adjacent sides of a rectangular field, a boy took a short cut along the diagonal and saved a distance equal to half the longer side. Then, the ratio of the shorter side to the longer side is ?

(a) 1:2   (b) 2:3   (c) 1:4   (d) 3:4

04. Mayank, Mirza, Little and Jaspal bought a motorbike for $60,000. Mayank paid one half of the sum of the amounts paid by the other boys, Mirza paid one third of the sum of the amounts paid by the other boys; and Little paid one fourth of the sum of the amounts paid by the other boys. How much did Jaspal has to pay ?

(a) $15,000   (b) $13,000   (c) $17,000   (d) None of these

05. A piece of string is 40 cm long. It is cut into three pieces. The longest piece is 3 times as long as the middle-sized and the shortest piece is 23 cm shorter than the longest piece. Find the length of the shortest piece(in cm) ?

(a) 27   (b) 5   (c) 4   (d) 9

06. Fresh grapes contain 90% water by weight while dried grapes contain 20% water by weight. What is the weight of dry grapes available from 20 kg of fresh grapes ?

(a) 2 Kg   (b) 2.4 Kg   (c) 2.5 Kg   (d) None of these

07. I have one rupees coins, fifty paise coins and twenty five paise coins. The number of coins are in the ratio 2.5 : 3 : 4. If total amount with me is Rs 210, find the number of one rupee coins ?

(a) 90   (b) 85   (c) 100   (d) 105

08. After allowing a discount of 11.11% , a trader still makes a gain of 14.28%. At how many percent above the cost price does he mark on his goods ?

(a) 28.56%   (b) 35%   (c) 22.22%   (d) None of these

09.   A dealer buys dry fruits at Rs 100, Rs 80 and Rs 60 per kilogram. He mixes them in the ratio 3 : 4 : 5 by weight and sells at a profit of 50%. At what price per kilogram does he sell the dry fruit ?

(a) Rs 80   (b) Rs 100   (c) Rs 95   (d) None of these

10.   Two liquids A and B are in the ratio 5 : 1 in container 1 and 1 : 3 in container 2. In what ratio should the contents of the two containers be mixed so as to obtain a mixture of A and B in the ratio of 1 : 1 ?

(a) 2 : 3   (b) 4 : 3   (c) 3 : 2   (d) 3 : 4

Answers

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

Detailed Solution (http://www.elitmuszone.com/elitmus/profit-loss-and-ratio-proportion-solution-01/)

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