Assignment - IV

Q: A grocer purchased 80 kg of sugar at Rs 13.50 per kg and mixed it with 120 kg sugar at Rs 16 per kg. At what rate should he sell the mixture to gain 16%. [Rs 17.40]

Q: When a producer allows 36% commission on the retail price of his product, he earns a profit of 8.8%. What would be his profit percent if the commission is reduced by 24%. [49.6%]

Q: A man bought a horse and a carriage for Rs 3000. He sold the horse at a gain of 20% and carriage at a loss of 10%, thereby gaining 2% on the whole. find the cost of the horse. [Rs 1200]

Q: A and B working seperately can do a piece of work in 9 and 12 days respectively. If they work for a day alternately, A beginning, in how many days, the work will be completed.

Q: 2 men and 3 boys can do a piece of work in 10 days while 3 men and 2 boys can do the same work in 8 days. In how many days can 2 men and 1 boy do the work?

Q: A can do a piece of work in 80 days. He works at it for 10 days and then B alone finishes the remaining work in 42 days. In how much time will A and B, working together, finish the work.