



General Aptitude

Quantitative Aptitude

DPP 05 Discussion Notes
Mixtures Alligations









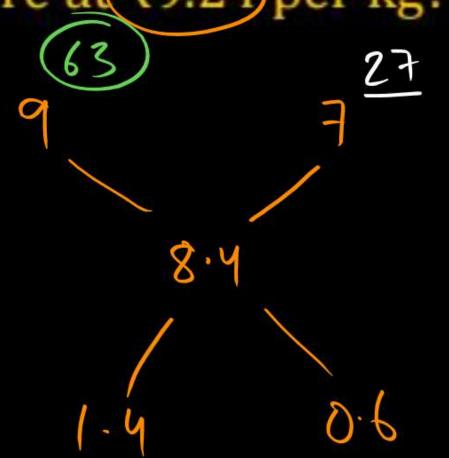
How many Kg of rice costing ₹9 per kg must be mixed with 27 kg of rice costing ₹7 per kg so that there may be gain of 10% by selling the mixture at ₹9.24 per kg?

A 63 kg

B 42 kg

C 54 kg

D 36 kg

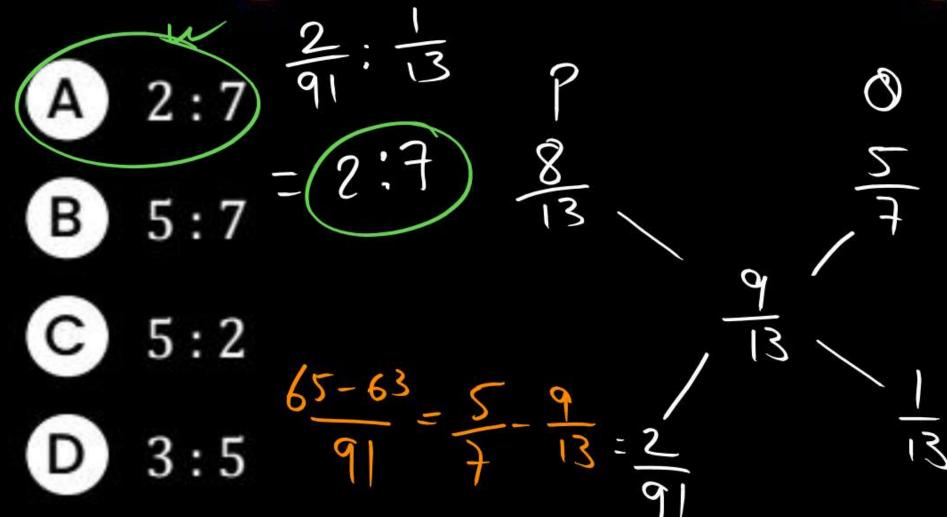


$$SP = 10/.$$

 $9.24 = 1.1$
 $9.24 = 0.7$



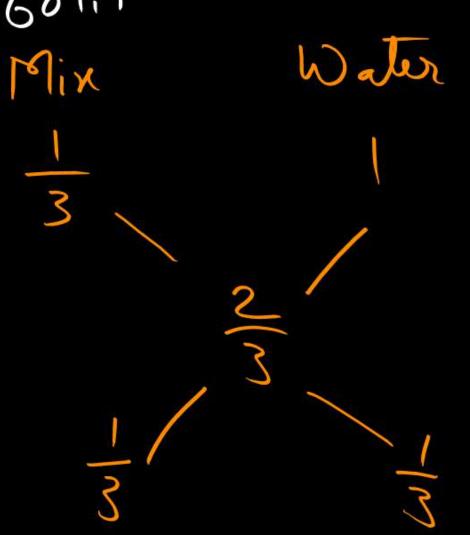
Two vessels P and Q contain milk and water mixed in the ratio 8:5 and 52 respectively. In what ratio these two mixtures are to be mixed to get a new mixture containing $69 \frac{3}{13}\%$ milk?





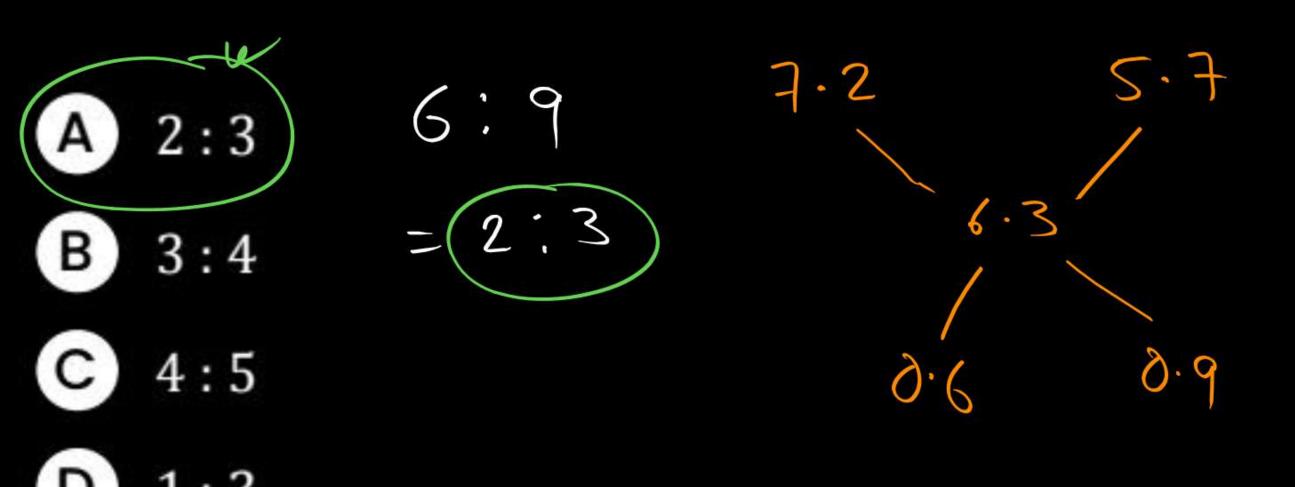
In a mixture of 60 litres, the ratio of milk and water is 2:1) What amount of water must be added to make the ratio of milk and water as 1:2)

- A 56 litres
- B 42 litres
- C 60 litres
- D 77 litres





Find the ratio in which sugar at ₹7.20 a kg be mixed with sugar at ₹5.70 a kg to produce a mixture worth ₹6.30 a kg.





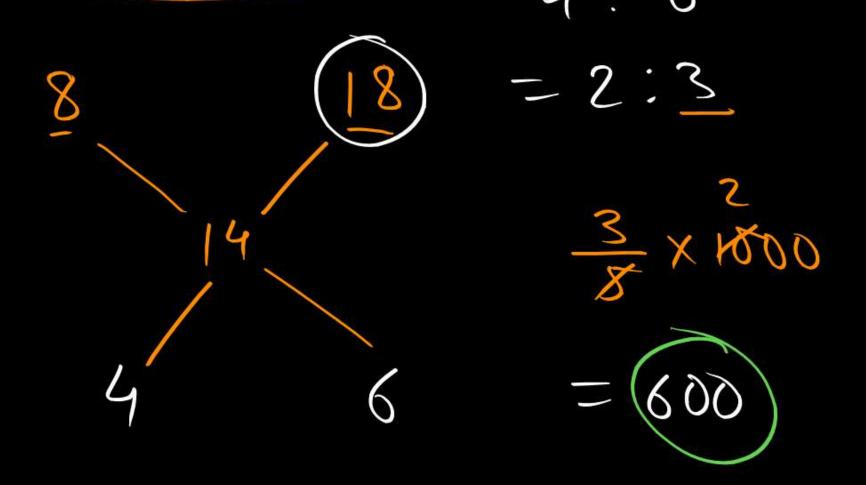
A merchant has 1000 kg of wheat flour, part of which he sells at 8% profit and the rest at 18% profit. He gains 14% on the whole.

Find the quantity he sold at 18% profit.









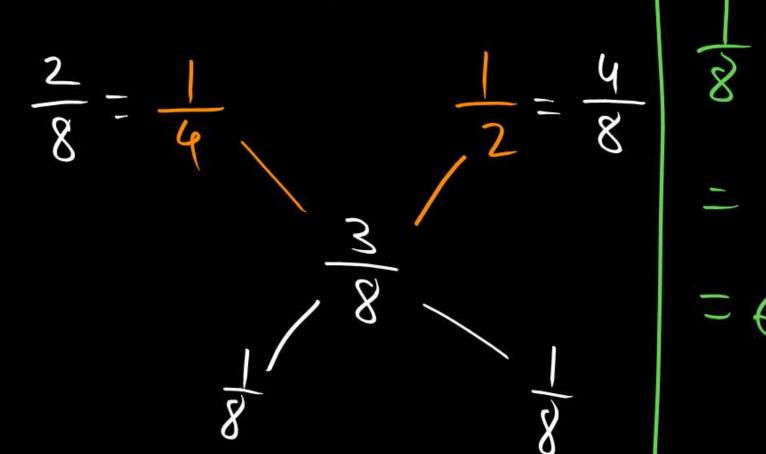


One quality of sugar at ₹9.30 per kg mixed with another quality at a certain rate in the ratio 8:7. If the mixture so formed be worth ₹10 per kg, what is the rate per kg of the second quality of sugar?



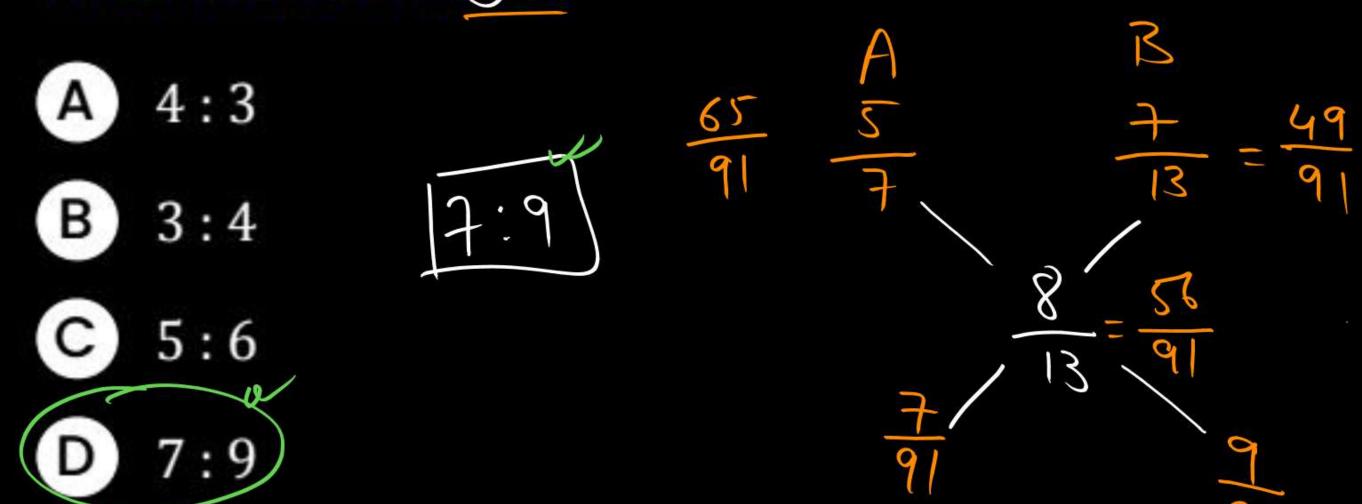
A milk vendor hs two cans of milk. The first contains 25% water and rest milk. The second 50% water. How much quantity should be mixed from each of the containers so as to get 12 litre of mixture where the ratio of water to milk is 35?

- A 4 litre; 8 litre
- B 6 litre; 6 litre
- C 5 litre; 7 litre
- D 7 litre; 5 litre





Two vessels A and B contain Spirit and Water mixed in the ratio 5:2 and 7:6 respectively. Find the ratio in which these mixtures be mixed to obtain a new mixture in vessel C containing spirit and water in the ratio 85.





In a mixture of 48 litre, the ratio of milk and water is 2: 1) if this ratio is to be 1:(3) then what is the quantity of water to be further

added?

$$\frac{1}{4} = \frac{3}{4} = \frac{9-4}{12} = \frac{5}{12}$$



In what ratio must a grocer mix two verities of rice worth ₹40 per kg and ₹48 per kg so that by selling the mixture at ₹50.6 per kg he may gain 10%?

