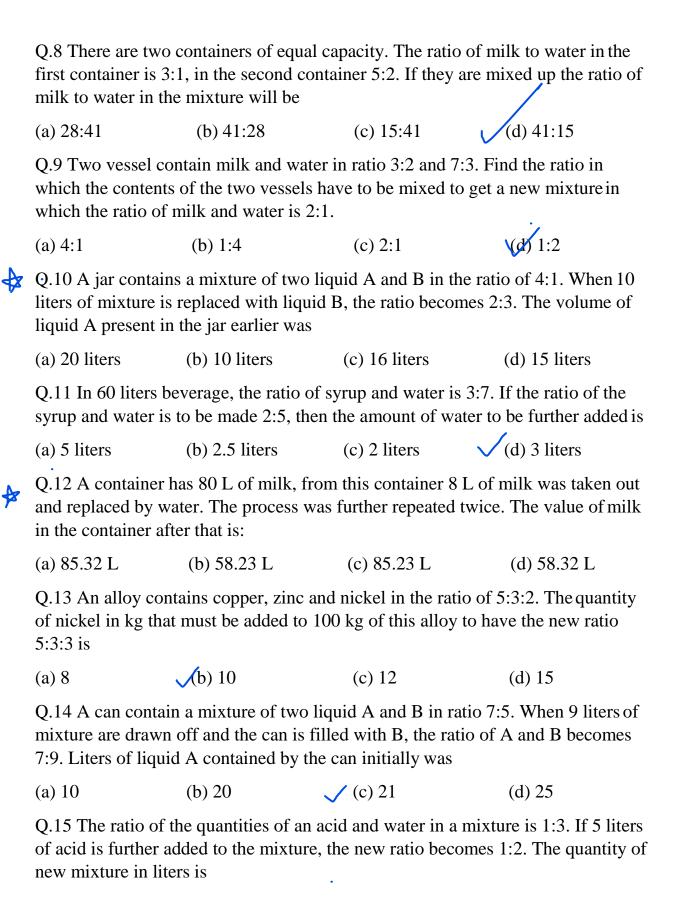
ALLIGATION & MIXTURES

Q. 1 729 ml of a mixture contains milk and water in the ratio 7:2. How much more water is to be added to get a new mixture containing milk and water in the ratio

7:3?

(a) 81 ml	(b) 60 ml	(c) 71 ml	(d) 52 ml		
Q.2 A shopkeeper bought 30 kg of rice at the rate of Rs. 70 per kg and 20 kg of rice at the rate of Rs. 70.75 per kg. If he mixed the two brands of rice and sold the mixture at Rs. 80.50 per kg, his gain is					
(a) Rs. 450	(b) Rs. 510	(c) Rs. 525	(d) Rs. 485		
Q.3 Two alloys contain tin and iron in ratio of 1:2 and 2:3. If the two alloys are mixed in the proportion of 3:4 respectively (by weight), the ratio of tin and iron in the newly formed alloy is					
(a) 10:21	(b) 13:22	(c) 14:25	(d) 12:23		
Q.4 Three utensils contain equal quantity of mixtures of milk and water in the ratio 6:1, 5:2 and 3:1 respectively. If all the solutions are mixed together, the ratio of milk and water in the final mixture is					
(a) 65:28	(6) 65:19	(c) 19:65	(d) 19:28		
Q.5 60 kg of an alloy A is mixed with 100 kg of alloy B. If alloy A has lead and tin in the ratio 3:2 and alloy B has tin and copper in ratio 1:4, the amount of tin in the new alloy is					
(a) 80 kg	(b) 44 kg	(c) 53 kg	(d) 24 kg		
Q.6 The milk and water in two vessel A and B are in the ratio 4:3 and 2:3 respectively. In what ratio, the liquids in both the vessels be mixed to obtain a new mixture in vessel C containing half milk and half water?					
(a) 7:5	(b) 5:2	(c) 3:11	(d) 1:2		
Q.7 20 liters of a mixture contains 20% alcohol and the rest water. If 4 liters of water be mixed in it, the percentage of alcohol in the new mixture will be					
(a) 33.33%	(b) 16.67%	(c) 25%	(d) 12.5%		



(a) 32	(b) 40	(c) 42	(d) 45
3:4 and 5:3 res		tures are poured into a	ter and milk in the ratio of a third vessel, the ratio of
(a) 15:12	(b) 53:59	(c) 20:9	(d) 59:53
		n mixture of four conta r is the quantity of mi	ainers are 5:3, 2:1, 3:2 and lk, relative to water,
(a) First	(b) Second	(c) Third	(d) Fourth
-		and zinc is 5:2. If 1.2 copper and zinc will be	50 kg of zinc is mixed in e
(a) 2:1	(b) 2:3	(c) 3:2	(d) 1:2
•		water contains 10 % v % in the new mixture (c) 10	water. How much water e? (d) 6
_	•	ix teas at Rs. 60 a kg, a kg, he may gain 10%	and Rs. 65 a kg, so that
(a) 3:2	(b) 3:4	(c) 3:5	(d) 4:5