Ratios and Proportions

1. In a mixture of 60 litres, the ratio of milk and water is 2:1. What is the amount of milk and water present in the mixture?					
A) 50L, 10L	B) 40L, 20L	C) 30L, 30L	D) 20L, 40L		
2. In a mixture of 60 litres, the ratio of milk and water is 2:1. If this ratio is to be 1:2, then the quantity of water to be further added is:					
A) 20L	B) 30L	C) 40L	D) 60L		
3. A sum of money is to be distributed among A, B, C, D in the proportion of $5:2:4:3$. If C gets Rs.1000 more than B, what is D's share?					
A) 500	B) 1500	C) 2000	D) 1000		
4. A and B together have Rs. amount does B have?	1210. If 4 / 15 of A's am	nount is equal to 2 / 5 of	f B's amount, how much		
A) 460	B) 484	C) 550	D) 664		
	5. A sum of Rs.312 was divided among 100 boys and girls in such a way that each boy gets Rs.3.60				
and each girl Rs.2.40. The number A) 35	B) 40	C) 45	D) 50		
6. A sum of Rs. 36.90 is made 10p coins is:	up of 180 coins which a	re either 10p coins or 2	5p coins. The number of		
A) 48	B) 54	C) 56	D) 60		
7. Two numbers are respectinumbers is:	vely 20% and 50% mo	ore than a third numb	er. The ratio of the two		
A) 2:5	B) 0 5	~ ` 4 ~			
11) 2 . 3	B) 3:5	C) 4:5	D) 5:4		
8. The ratio between the num Chocostick is 9:11. If the total A) 36	nbers of Eclairs and M	Ientos in a jar is 5:6;	and that of Mentos and		
8. The ratio between the num Chocostick is 9:11. If the total	nbers of Eclairs and M number of chocolates B) 45	Ientos in a jar is 5:6; a in the jar is 110, find the C) 30	and that of Mentos and the number of Eclairs. D) 44		
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8. The ratio between the num Chocostick is 9:11. If the total A) 369. If Rs. 460 is divided into the	nbers of Eclairs and Manumber of chocolates in B) 45 ree parts, proportional B) 190	Ientos in a jar is 5:6; a in the jar is 110, find the C) 30 to $\frac{1}{2}: \frac{2}{3}: \frac{3}{4}$ then the first	and that of Mentos and the number of Eclairs. D) 44 part is:		
 8. The ratio between the num Chocostick is 9:11. If the total A) 36 9. If Rs. 460 is divided into the A) 182 	nbers of Eclairs and Manumber of chocolates in B) 45 ree parts, proportional B) 190	Ientos in a jar is 5:6; a in the jar is 110, find the C) 30 to $\frac{1}{2}: \frac{2}{3}: \frac{3}{4}$ then the first	and that of Mentos and the number of Eclairs. D) 44 part is:		
 8. The ratio between the num Chocostick is 9:11. If the total A) 36 9. If Rs. 460 is divided into the A) 182 10. If 0.75: z:: 5:8, then z is A) 1.12 11. The fourth proportional to 	nbers of Eclairs and Manumber of chocolates in B) 45 ree parts, proportional B) 190 equal to: B) 1.20 erm of 5, 8, 15 is:	Ientos in a jar is 5:6; and the jar is 110, find the C) 30 to $\frac{1}{2} : \frac{2}{3} : \frac{3}{4}$ then the first C) 196	and that of Mentos and the number of Eclairs. D) 44 part is: D) 120 D) 1.30		
 8. The ratio between the nume Chocostick is 9:11. If the total A) 36 9. If Rs. 460 is divided into the A) 182 10. If 0.75: z:: 5:8, then z is A) 1.12 	nbers of Eclairs and Manumber of chocolates in B) 45 ree parts, proportional B) 190 equal to: B) 1.20	Ientos in a jar is 5:6; a in the jar is 110, find the C) 30 to $\frac{1}{2}$: $\frac{2}{3}$: $\frac{3}{4}$ then the first C) 196	and that of Mentos and the number of Eclairs. D) 44 t part is: D) 120		
 8. The ratio between the numerous Chocostick is 9:11. If the total A) 36 9. If Rs. 460 is divided into the A) 182 10. If 0.75: z:: 5: 8, then z is A) 1.12 11. The fourth proportional to A) 18 12. Two numbers are in the rational to a second content and an are in the rational to a second content and a second content are in the rational to a second content are i	nbers of Eclairs and Manumber of chocolates in B) 45 ree parts, proportional B) 190 equal to: B) 1.20 erm of 5, 8, 15 is: B) 24 atio 3:5. If 9 is subtract	Jentos in a jar is 5:6; and the jar is 110, find the C) 30 to $\frac{1}{2}:\frac{2}{3}:\frac{3}{4}$ then the first C) 196 C) 1.25	and that of Mentos and the number of Eclairs. D) 44 t part is: D) 120 D) 1.30 D) 20		
 8. The ratio between the nume Chocostick is 9:11. If the total A) 36 9. If Rs. 460 is divided into the A) 182 10. If 0.75: z:: 5: 8, then z is A) 1.12 11. The fourth proportional to A) 18 	nbers of Eclairs and Manumber of chocolates in B) 45 ree parts, proportional B) 190 equal to: B) 1.20 erm of 5, 8, 15 is: B) 24 atio 3:5. If 9 is subtract	Jentos in a jar is 5:6; and the jar is 110, find the C) 30 to $\frac{1}{2}:\frac{2}{3}:\frac{3}{4}$ then the first C) 196 C) 1.25	and that of Mentos and the number of Eclairs. D) 44 t part is: D) 120 D) 1.30 D) 20		
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14. In a bag, there are coins of 25p, 10p and 5p in the ratio of 1:2:3. If there is Rs.30 in total, how many 5p coins are there?					
A) 50	B) 100	C) 150	D) 200		
15. Rs. 432 is divided amongst three workers A, B and C such that 8 times A's share is equal to 12 times B's share which is equal to 6 times C's share. How much did A get?					
A) 192	B) 133	C) 144	D) 128		
16. An amount of money is to be divided between P, Q and R in the ratio of 3:7:12. If the difference between the shares of P and Q is $Rs.2400$, what will be the difference between Q and R 's share?					
A) 2800	B) 3000	C) 2400	D) 3200		
17. Rs.630/- is distributed among A, B and C such that on decreasing their shares by Rs.10, Rs.5 and Rs.15 respectively, the balance money would be divided among them in the ratio 3:4:5. Then, A's share is:					
A) 150	B) 200	C) 160	D) 255		
18. The proportion of milk and water in 3 samples is 2:1, 3:2 and 5:3. A mixture comprising of equal quantities of all 3 samples is made. The proportion of water and milk in the mixture is:					
A) 227 : 133	B) 5:1	C) 99 : 61	D) 133 : 227		
19. If three numbers in the ranumber will be:		-	ŕ		
A) 10	B) 14	C) 18	D) 22		
20. The ratio of two numbers is 2:3 and the sum of their cubes is 945. The difference of numbers is?					
A) 3	B) 4	C) 5	D) 6		
21. A fraction bears the same					
A) 7/45	B) 1/35	C) 45/7	D) 5/21		
22. 50 liters of diesel is required to travel 500 km using an 800 cc engine. If the volume of diesel required to cover a distance varies directly as the capacity of the engine, then how many liters of diesel is required to travel 800 km using 1000 cc engine?					
A) 80	B) 90	C) 100	D) 110		
23. At a casino in Mumbai, there are three tables A, B and C. The payoffs at A is 10:1, at B is 20:1 and at C is 30:1. If a man bets Rs. 200 at each table and win at two of the tables, what is the maximum and minimum difference between his earnings can be?					
A) 2500	B) 4000	C) 2000	D) 5000		
24. A starts a business with a capital of Rs. 85,000. B joins in the business with Rs. 42500 after some time. For how much period does B join, if the profits at the end of the year are divided in the ratio of					
3:1? A) 5 months	B) 6 months	C) 7 months	D) 8 months		