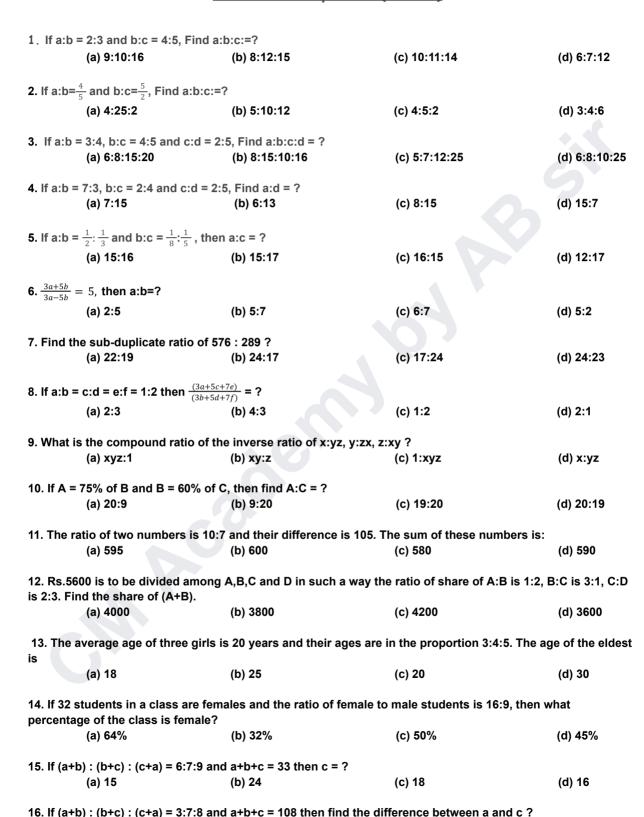
Competitive Math by AB sir/7003097346

Ratio and Proportion (Part-1)



	(a) 32	(b) 48	(c) 52	(d) 45
17. If (P-a): (P-b): (P-c) = 11:12:13 and P = $\frac{a+b+c}{2}$, then a:b:c = ?				
	(a) 25:24:23	(b) 24:21:23	(c) 17:23:24	(d) 20:21:23
18. If $\frac{a}{b} = \frac{c}{d} = 5$, then $\frac{(3a+4c)}{(3b+4d)} = ?$				
	(a) 8	(b) 10	(c) 5	(d) 15
19. At present, the ratio of ages of A and B is 6:5 and 15 years from now, the ratio will change to 9:8. A's present age is:				
procent	(a) 25	(b) 30	(c) 28	(d) 32
20. The ratio of boys and girls in a school is 3:2. When 6 more girls join, this ratio becomes 6:5. How many boys are there in the school?				
boys are	(a) 36	(b) 32	(c) 30	(d) 24
21. What number has to be added to each term of 3:5 to make the ratio 5:6 ?				
	(a) 6	(b) 8	(c) 9	(d) 7
22. Two numbers are in the ratio $1\frac{1}{2}$: $2\frac{2}{3}$, when each one of these is increased by 15, their ratio becomes $1\frac{2}{3}$				
: $2\frac{1}{2}$, the	larger number is:			
	(a) 56	(b) 48	(c) 27	(d) 35
23. Income of A & B are in the ratio of 3:2 and their expenditure are in the ratio of 5:3, If each saves Rs.100, then A's income?				
	(a) 800	(b) 650	(c) 700	(d) 600
24. A mixture of Milk and Water is 5:1, adding 5 litres of Water, the ratio becomes 5:2, the Milk is in original mixture?				
	(a) 25	(b) 20	(c) 30	(d) 15
25. If a : (b+c) = 1:2 and c : (a+b) = 7 (a) 13:5	:11 , then find b : (a+c) = ? (b) 6:17	(c) 5:13	(d) 7:13
26. If a : (b+c) = 2:3 and b : (c+a) = 4:5, then find c : (a+b) = ?				
	(a) 20:37	(b) 27:32	(c) 38:7	(d) 7:38
27. If 20% of (P + Q) = 50% of (P - Q), then find P : Q = ?				
	(a) 3:7	(b) 5:7	(c) 7:3	(d) 7:12
28. If A of 30% = B of 0.75 = C of $\frac{1}{4}$ the A:B:C = ?				
	(a) 2:3:4	(b) 4:7:3	(c) 2:5:7	(d) 5:2:6
29. Two numbers are in the ratio of 2:3. If 2 is subtracted from the first and 2 is added to the second. The ratio becomes 1:2. The sum of the numbers is:				
	(a) 30	(b) 35	(c) 32	(d) 25
30. The students in three classes are in the ratio 2:3:5. If 20 students are increased in each class, the ratio changes to 4:5:7. Originally the total number of students was:				
changes	to 4:5:7. Originally the tota (a) 150	I number of students was: (b) 120	(c) 80	(d) 100