RATIO AND PROPORTION

1. The fourt a)18	th proportional t b)21	o 5,8,15, is: c)19	d)20	e) None of these
$2.\frac{5a+3b}{2a-3b} = \frac{2}{3}$	$\frac{13}{5}$ then the value			
a) 1:2	b)1:3	c)1:4	d) 2:3	e) None of these
	15 and q:r=5:8 tl b)7:15:8			e)None of these
	15 and q:r=5:8 ar b) 2:15			
5. Find the a)25	mean proportion b)24		& 64 ? d)35	e)None of these
6 .If a:b=3:7	7, Find the value	of (5a +b) : (4a	+5b).	
a)15:44				e) None of these
7 .Three fri		524 among the	emselves in the	e ratio $\frac{1}{2}$: $\frac{1}{3}$: $\frac{1}{4}$ then the share of the
		c)148	d)144	e) none of these
8 .Find the a)147:40	compounded rat b)40:147			e) none of these
9 If n·a·r =	2:3:4 then find $\frac{p}{a}$	<u>.q</u> . <u>r</u>		
a)8:9:24	-1	L-	d)8:24:9	e) none of these
				3:5 .If there are 400 students in the
school. Fin a)150	d the number of b)250	girls in the sch c)240	ool. d)160	e) none of these
11.The rati		number is 2:5.	If each number	r is increased by 4 the ratio becomes
a)6,9		c)12,30	d) 8,20	e) none of these
	ome of A and B and the income of .		3:2 and expen	ses are in the ratio 5:3.If both saves
a)800	b)1500	c) 1000	d)1200	e) none of these
	arks obtained by ore is 860 .His m	•	•	physics are in the ratio ½:1/3:3/5. If
a)160	b)300	c)228	d)312	e) none of these
	=	_		each rupees A gets , B gets 65 paise
and C gets a)120	35 paise. If c's sh b)160	tare is Rs. 28 t c)140	d)180	e) none of these
15. The stu	dents in three cl	ases are in the	ratio of 2:3:5.	If 20 students are increased in each
	=			udents before the increase were:
a)10	b)90	c)100	d)110	e) none of these

16 .What should ratio become 2:		d from both th	e number	which are ir	the ratio of 3:4 so tha	at the			
	o)6	c)10	d)CND	e) non	e of these				
17. The ratio of the number of boys and girls in a college is 7:8. If the percentage increase of boys and girls be 20% and 10% respectively what will be the new ratio? a)8:9 b)17:18 c)21:22 d) CND e) none of these									
and A's share is	18. A and B are invested in the ratio 3:2 in a business. If 5% of the total profit goes to charity and A's share is Rs 855. Find the total profit. a)1800 b)3200 c)1500 d)800 e) none of these								
19. Seats of Maths ,Physics, and Biology are in the ratio of 5:7:8 respectively. There is a proposal to increase seats by 40%,50%,75% respectively. What will be the respective ratio of increased seats.									
		c)6:8:9	d) C ND	e) non	e of these				
20. There is a ratio of 5:4 between two numbers. If 40% of first number is 12 then what would be the 50% of the second number?									
	b)24	c)18	d)CND	e) non	e of these				
salary become F	21. The ratio of A's salary and B's salary is 9:4 If A's salary is increased by 15% then his total salary become Rs 5175. What is B's salary? a)2000 b)4000 c)4500 d)2500 e) none of these								
	22.An amount of money is to be distributed among P,Q and R in the ratio of 5:8:12 respectively If the total share of Q and R is four times that of P,Then what is definitely P's share								
(a)3000 (b)5000	(c)8000	(d)CND	(e)Nor	ne of these				
23. When 30% of a number is added to another number the second number increase to its 140%. What is the ratio between the first and the second number. a) 3:4 b) 4:3 c) 3:2 d) CND e) none of these									
24.An amount times more that	-		mong P,Q	and R in the	e ratio of 4:9:6. If R g	gets 4			
a)1800	b) 270) d)) CND	e) none of these				
25.A sum of money is to be distributed among A,B,Cand D in the proportion 5:2:4:3. If C gets 1000 more than D. What is B's share?									
a) 500	b)1500	c)2000) d	I)1400	e) none of these				
26. The ratio of three classes of a school is 9:12:16. If 120 new students in every classes take admission the new ratio of the class become 15:18:22. The number of students in both the class is:									
a) 740	b) 800	c) 548	d))840	e) 900				
27.A man had some hens and cows. The number of heads and legs of both hens and cows is 53 and 170. Find the total no of cows.									
a)21	b)32	c)24	d):	34	e) none of these				

				in the ratio of 10:6:3:2 aft difference between 50 pai			
a)8	b)10	c) 6	d) 12	e) none of these			
29.A man travelled 300km by bus, train, and Car in the ratio of 2:8:5. The Fare of these three transport vehicles is in the ratio of 2:3:6. If a man can Go 1 km by bus in 60 paisa so how much amount he needs to complete total distance?							
a)170	b)175	c)132	d)187	e) none of these			
30.The angle of the quadrilateral are in the ratio of 3:5:9:7. The 2 nd largest angle of the quadrilateral is equal to the largest angle of a triangle. One of the angles of a triangle is 25 degree. What is the value of second largest angle of the triangle?							
a)50	b)20	c) 60	d)40	e) none of these			
31.In a college the ratio of number of boys to girls is 31:23 respectively. When 75 more girls join the college this ratio becomes 124:107. How Many more girls should join the college to make the number of boys And girls equal?							
a)75	b) 90	c) 60	d)85	e) none of these.			
32.Ratio of earnings of A and B is 4:7 respectively If the earnings of A increase by 50% and the earning of B decrease by 25% the new ratio of their earnings becomes 8:7 respectively. What are A's earning?							
a) 26000	b) 28000	c)21000	d) CND	e) none of these			
33.An amount of Rs.2430 is divided among A,B,C such that if their share be reduced by Rs 5,Rs 10, and Rs 15 respectively ,the remainder shall be in the ratio of 3:4:5 then B's share was:							
a)605	b)790	c) 800	d) 810	e) none of these			
34. Three containers have volumes in the ratio 3:4:5. They are full of mixtures of milk and water. The mixtures contain milk and water in the ratio of 4:1, 3:1 and 5:2 respectively. The contents of all these three container are poured into a fourth container. The ratio of milk and water in the fourth container is:							
a)4:1	b)151:48	c)157:53	d)5:2	e)None of these	j		
35. Three number A,B,C are in ratio of 12:15:25 If sum of these number be 364. Find the ratio between difference of B and A and the difference of C and B? a) 3:2 b)3:10 c) 3:5 d) 4:2 e) none of these							
36.If a mixture contains alcohol and water in the ratio 4:3. If 5 litres of water Is added to the mixture the ratio become 4:5 Find the quantity of alcohol in the given mixture							
a) 5	b) 7.5	c) 10	d) 12	e)None of these	j		
37.If Rs 510 be divided among A,B,C in such a way that A gets 2/3 of what B gets and B gets ¼ of what C gets then their share are respectively in Rs:							
a) 120,240,150	b) 60,90,360	c) 60,90,360	a) 70,	90,350 e) none of thes	se		
38. Salaries of Ravi and Sumit are in the ratio of 2:3 . If the salary of each is increased by Rs 4000 . The new ratio becomes 40:57. What is Sumit's salary?							
a)1700	b) 20000	c) 23500	d) 340	e) None of thes	ie		