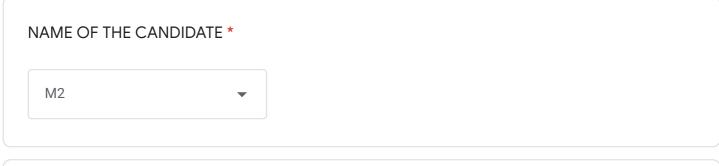
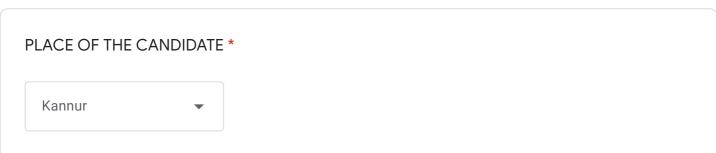
108 DAYS ONLINE COACHING FOR MISSION 2020, DAY(67), WEDNESDAY, 06/05/2020

RATIO & PROPORTION







WHAT'S APP NUMBER (JOINED IN SAI EDUCATION ONLINE COACHING PLATFORM) *

111

PLEASE WATCH THE ONLINE CLASSES CAREFULLY AND ANSWER THE FOLLOWING QUESTIONS

https://youtu.be/n-D9eP1E6R0 https://youtu.be/kc8V-eZFQ6l https://youtu.be/t8yMTy9cdGY https://youtu.be/NBII3BwIJDw https://youtu.be/gxXXosMeZB0

1.If A:B = 4:5, B:C = 2:7.Find A:B:C? *

1 point

- 4:2:7
- 8:6:9
- 8:10:35
- 10:35:8

2.If A:B = 3:4, B:C = 4:5, C:D = 5:6.Then find A:B:C:D? *

1 point

- 15:20:25:6
- 3:4:5:6
- 2:3:4:5
- 20:30:25:9

3.Divide Rs. 72 in the ratio of 7:2? *	1 point
54:49	
49:54	
16:56	
o 56:16	
4.Find the fourth proportional to 3:8 :: 18:? *	1 point
48	
O 27	
O 16	
5.If 989 be devided in to 3 parts, proportioal to 1/2 : 2/3 :3/4.Then find the third part? *	1 point
O 443	
258	
387	
344	

6.A and B together have Rs. 1210.If 4/15 of A's amount is equal to 2/5 of B's amount, how much amount does B have? *	1 point
Rs. 460	
Rs. 484	
Rs. 550	
Rs. 664	
7.2 numbers are in the ratio 4:5 . Their LCM is 140.Find the largest number? *	1 point
35	
O 28	
O 25	
O 38	
8.2 numbers are respectively 20% and 50% more than a third number. The ratio of the 2 number is? *	1 point
2:5	
3:5	
4:5	
6:7	

9. 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 D, what is B's share? *	1 point
Rs. 500	
Rs. 1500	
Rs. 2000	
Rs. 3000	
10.Seats for mathematics, physics and biology in a school are in the ratio 5:7:8.There is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be the ratio of increased seats? *	1 point
2:3:4	
6:7:8	
6:8:9	
None of these	
11.The total population of a village is 5000.The number of males and females increases by 10% and 15% respectively and consequently the population of the village becomes 5600.What was the number of males in the village? *	1 point
2000	
3000	
4000	
5000	

12. Arrange the following ratios in descending order. 2:3, 3:4, 5:6, 1:5 *	1 point
5:6>3:4>2:3>1:51:5>2:3>3:4>5:6	
2:3>1:5>3:4>5:6 3:4>1:5>5:6>3:4	
13.2 numbers are in the ratio 3:4.lf the sum of numbers is 63,find the numbers? *	1 point
37,4624,3319,26	
27,36	
14.If income of A and B in the ratio 2:3 and their expenditure is the ratio 1:2.If each saves Rs. 2400, find A's income? *	1 point
2400	
4800	
3800	
2800	

15. A bag contains 50,25 and 10 paise coins in the ratio 5:9:4 amounting to Rs. 206.Find the number of 50,25 and 10 paise coins *	1 point
200:360:16	
300:260:140	
120:430:210	
110:250:330	
16. If 20% of X is equal to 25% of Y. Then X:Y is? *	1 point
3:4	
O 4:3	
5:4	
4:5	
17.A=3/4B, B=1/6C.Then A:B:C=? *	1 point
2:3:24	
3:4:24	
5:6:34	
5:7:36	

18.The radius of 2 spheres are in the ratio of 5:6.Then what will be the ratio of their volumes? *	1 point
216:123	
218:116	
116:125	
125:216	
19.A got twice as many marks in English as in science. His total marks in English, science and mathematical is 180.If the ratio of his marks in English and mathematics is 2:3, what is his marks in science? *	1 point
O 10	
O 20	
30	
<u> </u>	
20.The ratio of the number of boys and girls in a school is 3:2.If 20% of the boys and 25% of girls are the scholarship holders. What percentage of the students does not get the scholarship? *	1 point
48 %	
58%	
68%	
78%	

21.A mixture contains alcohol and water in the ratio of 4:3 . If 5 litre of water is added to the mixture , the ratio becomes 4:5. Find the quantity *	point
10	
O 20	
O 30	
O 40	
22.Milk and water in a mixture are in the ratio 7:5.When 15 litre of water is added to it., 1 the ratio of milk and water in the new mixture becomes 7:8.The total quantity of water in the new mixture is? *	point
○ 30 L	
40L	
O 50L	
O 60L	
23.The ratio of the number of UG students and PG students in a college is 5:4. If 40% of the UG students and 50 % of the PG students are scholarship holders. What percentage of the students does not get the scholarship? *	point
54.60%	
55.20%	
5 5.50%	
54.30%	

24.Sachin and Anurag have monthly incomes in the ratio 6:7 and Their monthly expenditures in the ratio 5:4. If they save Rs. 700 and Rs. 2100 respectively, find the monthly expenditure of Anurag. *	1 point
○ 3200○ 2480	
2800	
3140	
25.In a ratio which is equal to 7:8 . If antecedent is 35. *	1 point
40	
O 30	
O 20	
O 10	
THANK YOU	

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