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

RATIO & PROPORTION

SAI EDUCATION
KERALA
(A Complete Solution For All Competitive Examinations)

NAME OF THE CANDIDATE *

M2

PLACE OF THE CANDIDATE *

Kannur

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

111

QUESTIONS

PLEASE WATCH THE ONLINE CLASSES CAREFULLY AND ANSWER THE FOLLOWING QUESTIONS

https://youtu.be/n-D9eP1E6R0
https://youtu.be/kc8V-eZFQ6I
https://youtu.be/t8yMTy9cdGY
https://youtu.be/NBlI3BwlJDw
https://youtu.be/qxXXosMeZB0

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
- ● 56:16

4.Find the fourth proportional to 3:8 :: 18:? * 1 point

- ● 48
- ○ 27
- ○ 16
- ○ 38

5.If 989 be devided in to 3 parts, proportioal to 1/2 : 2/3 :3/4.Then find the third part? * 1 point

- ○ 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

○ 28

○ 25

○ 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   1 point
C gets Rs. 1000 more than D, what is B's share? *

- ( ) 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   1 point
is a proposal to increase these seats by 40%, 50% and 75% respectively. What will be
the ratio of increased seats? *

- (●) 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   1 point
increases by 10% and 15% respectively and consequently the population of the village
becomes 5600.What was the number of males in the village? *

- ( ) 2000
- (●) 3000
- ( ) 4000
- ( ) 5000

12. Arrange the following ratios in descending order. 2:3, 3:4, 5:6, 1:5 *

- ⦿ 5:6>3 :4>2:3>1:5
- ◯ 1:5>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.If the sum of numbers is 63,find the numbers? *

- ◯ 37,46
- ◯ 24,33
- ◯ 19,26
- ⦿ 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? *

- ◯ 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

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16. If 20% of X is equal to 25% of Y. Then X:Y is? *

1 point

- ○ 3:4
- ○ 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

○ 10

○ 20

◉ 30

○ 40

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   1 point
to the mixture , the ratio becomes 4:5. Find the quantity *

○ **10**

○ 20

○ 30

○ 40

22.Milk and water in a mixture are in the ratio 7:5.When 15 litre of water is added to it.,   1 point
the ratio of milk and water in the new mixture becomes 7:8.The total quantity of water
in the new mixture is? *

○ 30 L

○ **40L**

○ 50L

○ 60L

23.The ratio of the number of UG students and PG students in a college is 5:4. If 40%   1 point
of the UG students and 50 % of the PG students are scholarship holders. What
percentage of the students does not get the scholarship? *

○ 54.60%

○ 55.20%

○ **55.50%**

○ 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

○ 30

○ 20

○ 10

THANK YOU

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