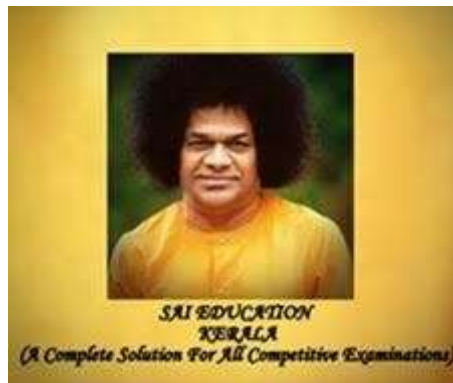


108 DAYS ONLINE COACHING FOR MISSION 2021, DAY(67), 31/03/2021, WEDNESDAY

RATIO & PROPORTION



NAME OF THE CANDIDATE(PLEASE ENTER YOUR FULL NAME) *

M2

PLACE OF THE CANDIDATE *

Kannur

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

555

QUESTIONS

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/NBll3BwIJDw>

<https://youtu.be/gxXXosMeZB0>

1. If $A:B=3:2$, $B:C=4:5$, Find $A:B:C$ *

1 point

12:8:10

13:15:19

12:15:10

13:8:18

2. If $A:B=1:3$, $B:C=2:3$, $C:D=3:4$. Then find $A:B:C:D$. *

1 point

2:7:9:8

6:17:27:36

5:12:25:35

6:18:27:36

3. Decide Rs.63 in the ratio 3:4 *

1 point

25:37

24:36

26:30

27:36

4. Find the 4 th proportional to $5:4=35:? *$

1 point

- 24
- 25
- 26
- 28

5. If 782 be divided in to 3 parts, proportional to $1/2, 2/3, 3/4$. Then find the second part? 1 point

*

- 262
- 272
- 282
- 292

6. The cost of a table and a chair is in the ratio of $3:5$.If the cost of table and chair is increased by 20% and 10% respectively. Then what will be the new ratio? *

1 point

- 30:50
- 46:65
- 23:47
- 36:55

7. 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? *

- 2000
- 3000
- 2800
- 3600

8. The sides of a triangle are in the ratio $1/2:1/3:1/4$. If perimeter is 117 cm. Find the largest length? *

- 34
- 54
- 64
- 74

9. If income of A & B are in the ratio 2:3 and their expenditure is the ratio 1:2. If each saves Rs. 2400. Find B's income? *

- 5200
- 6200
- 7200
- 8200

10. In 40L mixture containing milk and water .The ratio of milk and water is 3:1. Howmuch water should be added to the mixture .SO that the ratio of milk to water becomes 2:1? *

1 point

- 5 L
- 7L
- 9L
- 11 L

11. Two numbers are in such a way the ratio between them is 3:5 But if each is increased by 10 the ratio between them becomes 5.7.Find the numbers? *

1 point

- 15,25
- 13,24
- 12,25
- 15,30

12. Two numbers are in the ratio 4:5.Their LCM is 40.Find the smallest number? *

1 point

- 35
- 28
- 38
- 25

13. 2 equal glasses are $\frac{1}{2}$ and $\frac{2}{3}$ of milk respectively. The two are completely filled up with water. The contents of the two glasses are then mixed in another vessel. Find the ratio of milk and water in the vessel? *

- 6:5
- 7:3
- 8:5
- 7:5

14. A bag contains 50, 25, and 10 paise coins in the ratio 5:9:4 amounting to Rs. 206. Find the numbers of 50, 25, and 10 paise coins. *

- 200:360:160
- 159:300:140
- 250:300:175
- 200:320:180

15. 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? *

- 48%
- 58%
- 68%
- 78%

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

1 point

- 5:4
- 4:5
- 3:2
- 2:3

17. If 0.3 % of a number is equal to 0.05% of another number. Then what is their ratio? 1 point

*

- 4:30
- 5:30
- 30:4
- 30:5

18. $A = \frac{3}{5} B$, $B = \frac{1}{3} C$. Then A:B:C? *

1 point

- 2:3:12
- 3:5:15
- 5:7:12
- 7:4:3

19. $3x=4y=5z$. Then $x:y:z$? *

1 point

- 20:15:12
- 20:12:15
- 15:12:20
- 12:20:15

20. Radius of 2 spheres are in the ratio of 3:4. Then what will be the ratio of their area? 1 point

*

- 9:16
- 16:9
- 27:64
- 64:27

THANK YOU

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