

108 Days Online Coaching Day (66)07/09/2021

RATIO AND PROPORTION

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Questions

Please watch the online classes and answer the following questions.

<https://youtu.be/n-D9eP1E6R0>

<https://youtu.be/kc8V-eZFQ6I>

1) A and B together have Rs. 1210. If $\frac{4}{15}$ of A's amount is equal to $\frac{2}{5}$ of B's amount, how much amount does B have? * 1 point

- A. Rs. 460
- B. Rs. 484
- C. Rs. 550
- D. Rs. 664

2) Two numbers are respectively 20% and 50% more than a third number. The ratio of the two numbers is: * 1 point

- A. 2 : 5
- B. 3 : 5
- C. 4 : 5
- D. 6 : 7

3) 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

- A. Rs. 500
- B. Rs. 1500
- C. Rs. 2000
- D. None of these

4) 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

- A. 2 : 3 : 4
- B. 6 : 7 : 8
- C. 6 : 8 : 9
- D. None of these

5) In a mixture 60 litres, the ratio of milk and water 2 : 1. If this ratio is to be 1 : 2, then the quantity of water to be further added is: *

1 point

- A. 20 litres
- B. 30 litres
- C. 40 litres
- D. 60 litres

6) The ratio of the number of boys and girls in a college is 7 : 8. If the percentage increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio? *

1 point

- A. 8 : 9
- B. 17 : 18
- C. 21 : 22
- D. Cannot be determined

7)Salaries of Ravi and Sumit are in the ratio 2 : 3. If the salary of each is increased by Rs. 4000, the new ratio becomes 40 : 57. What is Sumit's salary? * 1 point

- A. Rs. 17,000
- B. Rs. 20,000
- C. Rs. 25,500
- D. Rs. 38,000

8)The sum of three numbers is 98. If the ratio of the first to second is 2 :3 and that of the second to the third is 5 : 8, then the second number is: * 1 point

- A. 20
- B. 30
- C. 48
- D. 58

9)The salaries A, B, C are in the ratio 2 : 3 : 5. If the increments of 15%, 10% and 20% are allowed respectively in their salaries, then what will be new ratio of their salaries? * 1 point

- A. 3 : 3 : 10
- B. 10 : 11 : 20
- C. 23 : 33 : 60
- D. Cannot be determined

10) If 40% of a number is equal to two-third of another number, what is the ratio of first number to the second number? * 1 point

- A. 2 : 5
- B. 3 : 7
- C. 5 : 3
- D. 7 : 3

11) The fourth proportional to 5, 8, 15 is: * 1 point

- A. 18
- B. 24
- C. 19
- D. 20

12) Two numbers are in the ratio 3 : 5. If 9 is subtracted from each, the new numbers are in the ratio 12 : 23. The smaller number is: * 1 point

- A. 27
- B. 33
- C. 49
- D. 55

13) In a bag, there are coins of 25 p, 10 p and 5 p in the ratio of 1 : 2 : 3. If there is Rs. 30 in all, how many 5 p coins are there? *

1 point

- A. 50
- B. 100
- C. 150
- D. 200

14) The 1st 3 terms of a proportion are 3, 9 and 12. The 4th term is: *

1 point

- A. 18
- B. 24
- C. 30
- D. 36

15) If 40% of a number is equal to $\frac{2}{3}$ rd of another number, what is the ratio of 1st number to the 2nd number? *

1 point

- A. 2 : 5
- B. 3 : 7
- C. 5 : 3
- D. 7 : 3

16) A bag contains 50 P, 25 P and 10 P coins in the ratio 5: 9: 4, amounting to Rs. 206. 1 point
Find the number of coins of each type respectively. *

- A) 360, 160, 200
- B) 160, 360, 200
- C) 200, 360, 160
- D) 200, 160, 300

17) A sum of Rs. 312 was divided among 100 boys and girls in such a way that the boy gets Rs. 3.60 and each girl Rs. 2.40 the number of girls is * 1 point

- A) 35
- B) 40
- C) 45
- D) 50

18) If Rs. 782 be divided into three parts, proportional to 12:23:34, then the first part is? 1 point
*

- A) Rs. 182
- B) Rs. 190
- C) Rs. 192
- D) Rs. 204

19) The salaries of A, B, and C are in the ratio of 1 : 2 : 3. The salary of B and C together is Rs. 6000. By what percent is the salary of C more than that of A? * 1 point

- A) 100 %
- B) 200%
- C) 300%
- D) 600%

If 76 is divided into four parts proportional to 7, 5, 3, 4, then the smallest part is: * 1 point

- A) 12
- B) 15
- C) 16
- D) 19

Thank you!

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