## 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 4/15 of A's amount is equal to 2/5 of B's amount,	1 point
how much amount does B have? *	

0	A. Rs. 460
۲	B. Rs. 484
$\bigcirc$	C. Rs. 550
$\bigcirc$	D. Rs. 664

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

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

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

4)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? \*

- 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 1 point the quantity of water to be further added is: \*

- 🔵 A. 20 litres
- B. 30 litres
- C. 40 litres
- O. 60 litres

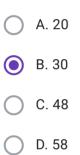
6)The ratio of the number of boys and girls in a college is 7 : 8. If the percentage 1 point increase in the number of boys and girls be 20% and 10% respectively, what will be the new ratio? \*

- A. 8 : 9
- B. 17 : 18
- O. 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	
O B. Rs. 20,000	
C. Rs. 25,500	

O. 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 1 point the second to the third is 5 : 8, then the second number is: \*



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	
O D. Cannot be determined	

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

$\bigcirc$	A. 2 : 5
0	B. 3 : 7
۲	C. 5 : 3
$\bigcirc$	D. 7 : 3

11)The fourth proportional to 5, 8, 15 is: *
O A. 18
• В. 24
O C. 19
O D. 20

1 point

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

- A. 27
- **B**. 33
- O C. 49
- O 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
O A. 50	
O B. 100	
• C. 150	
O D. 200	
14)The 1st 3 terms of a proportion are 3, 9 and 12. The 4th term is: *	1 point

Ο	Α.	18

О В. 24

C. 30

O. 36

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

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. Find the number of coins of each type respectively. *	1 point
A) 360, 160, 200	
B) 160, 360, 200	
C) 200, 360,160	
O D) 200,160,300	

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



18)If Rs. 782 be divided into three parts, proportional to 12:23:34, then the first part is? $_{1 po}$	oint
() A) Rs. 182	
O 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
O A) 100 %	
B) 200%	
O C) 300%	
O D) 600%	
If 76 is divided into four parts proportional to 7, 5, 3, 4, then the smallest part is: $^{\star}$	1 point
If 76 is divided into four parts proportional to 7, 5, 3, 4, then the smallest part is: *	1 point
	1 point
A) 12	1 point

Thank you!

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