

TOPIC: - RATIO, PRPORTION AND PARTNERSHIP

PRACTICE SET

- One year ago the ration of Ramu and Somu age was 6:7 respectively. Four year hence their ration would become 7:8. How old is Somu?
 - 24 years
 - 30 years
 - 32 years
 - 36 years
 - None of these
- If 33% of A is equal to 55% of B then find the ratio of A and B?
 - 3:5
 - 5:3
 - 3:4
 - 5:4
 - None of these
- What is the value of 68% of two fifth of 550?
 - 149.6
 - 150
 - 154
 - 158
 - None of these
- If 24 is deducted from 45% of a number result becomes 48. What will be $\frac{3}{8}$ part of that number?
 - 140
 - 130
 - 145
 - 150
 - 60
- 30% of a number is 190.8. What will be 175% of that number?
 - 1113
 - 1115
 - 1502
 - 1002
 - None of these
- The ratio of wine and water in a drum is 3:1. What part of the mixture is taken out and same amount of water is added to it so that the ratio of wine and water in the mixture become 1:1?
 - $\frac{1}{4}$
 - $\frac{1}{3}$
 - $\frac{3}{4}$
 - $\frac{2}{3}$
 - None of these
- Three vessels having volumes in the ratio of 2:3:5 are full of a mixture of water and milk. In the first vessel ratio of water and milk is 1:3, in second 2:3 and in third vessel, 2:5. If all the three vessels were poured out in a large container, what is the resulting ratio of milk and water?
 - 43:96
 - 438:962
 - 348:962
 - 481:219
 - None of these
- Six coins of gold and silver of equal weight are melted and new coins are cast. The ratio of gold and silver in one of the coins is 2:1, in another two coins 3:5 and 7: 5 in the remaining coins. What will be the ratio between gold and silver respectively in the new coins?
 - 1: 1
 - 12: 11
 - 42: 25
 - 19: 17
 - None of these
- If $x:y = 2:1$, then $(x^2-y^2) : (x^2+y^2)$ is:
 - 3:5
 - 5:3
 - 4:5
 - 5:6
 - None of these
- If $a : b : c = 3 : 4 : 7$, then the ratio $(a + b + c) : c$ is equal to:
 - 2:1
 - 14:3
 - 7:2

- d) 1:2 e) None of these
11. Three numbers are in the ratio $\frac{1}{2} : \frac{2}{3} : \frac{3}{4}$. The difference between the greatest and the smallest numbers is 36. The numbers are:
a) 71, 84, 108 (b) 60, 72, 96 (c) 72, 84, 96
d) 72, 96, 108 (e) None of these
12. A milkman makes 20% profit by selling milk mixed with water at Rs. 9 per liter. If the cost price of 1 L pure milk is Rs. 10, then the ratio of milk and water in the given mixture is:
a) 3:1 b) 4:1 c) 3:2
d) 4:3 e) None of these
13. 94 is divided into two parts in such a way that the fifth part of the first and the eight part of

the second are in the ratio 3:4. The first part is:

- a) 30 b) 36 c) 40
d) 28 e) None of these
14. Two numbers are in the ratio 3:5. If 9 is subtracted from each, they are in the ratio 12:23. Find the smaller number?
a) 27 b) 33 c) 49
d) 55 e) None of these
15. If A and B are in the ratio 3:4 and B and C in the ratio 12:13. Then, A and C will be in the ratio:
a) 3:13 b) 9:13 c) 36:13
d) 13:9 e) None of these



SOULTIONS

1. d
2. b
3. a
4. e
5. a
6. b
7. d
8. d
9. a
10. a
11. d
12. a
13. a
14. b
15. b

