



RATIO & PROPORTION QUESTIONS

1. If by increasing the price of a ticket in the ratio 8:13 the number of tickets sold fall in the ratio 26: 21, then what is the increase in revenue if revenue before increase in price of ticket was Rs. 48,320 ?
(A) 17500 (B) 30200
(C) 21140 (D) 15100
2. The entry ticket at a zoo was increased in the ratio 5 : 7 . Due to which foot falls fell in the ratio 17: 19. What is the new daily collection (in Rs). If the daily collection before the price like was Rs. 102000 ?
(A) 146800 (B) 175200
(C) 159600 (D) 168000
3. The ratio of income of A and B is 3 : 2, While the ratio of their expenditure is 5 : 3. If at the end of the year each saves Rs. 1000. The annual income of A is :-
(A) 8000 (B) 6000
(C) 9000 (D) 7000
4. Rahul and Kamal have their monthly income in the ratio 8 :5 . While their monthly expenditures are in the ratio 5 : 3. If they saved Rs. 12,000 and Rs. 10,000 monthly respectively, then the difference in their monthly income is :-
(A) 42,000 (B) 52, 000
(C) 46, 000 (D) 44, 000
5. Before a battle the ratio of tanks to planes in an army was 7 : 5. During the war 1000 tanks were destroyed and 800 planes were destroyed . The ratio of tanks to planes became 5 : 3 . What is the number of tanks after the war?
(A) 1750 (B) 2000
(C) 750 (D) 1000
6. How many job applicants had applied if the ratio of selected to unselected was 19 : 17 . If 1200 less had applied and 800 less selected, then the ratio of selected to unselected would have been 1 : 1?
(A) 6000 (B) 7200
(C) 8400 (D) 4800
7. A box contains 420 coins of 1 rupee, 50 paise and 20 paise coins . The ratio of their value is 13 : 11 : 7. The number of 50 paise coins is :-
(A) 42 (B) 78
(C) 66 (D) 132
8. A bag contains three types of coins 1 rupee – coins, 50 p – coins and 25 p – coins totaling 175 coins. If the total value of the coins of each kind be the same, the total amount in the bag is :-
(A) Rs. 75 (B) Rs. 175
(C) Rs. 300 (D) Rs. 126
9. A box has 1 rupee, 50 paise and 25 paise coins in the ratio 3 : 2 : 5 worth Rs. 252. The number of 25 paise coins in the box is:
(A) 96 (B) 144
(C) 240 (D) 48
10. A bag contains 50p, 25p and 10p coins in the ratio 5 : 9 : 4 amounting to Rs. 206. 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



11. Rs. 70200 is divided among A, B and C in such a way that A receive $\frac{4}{5}$ of the sum of (B + C). Find the amount received by C. If B receives $\frac{2}{11}$ of the sum of (A+C) .
(A) 28200 (B) 29140
(C) 32940 (D) 25280
12. Rs. 31500 are divided among A, B and C in such a manner that the ratio of amount of A to that of B is 3 : 4 and the ratio of amount of B to that of C is 5 : 7 . The amount of money received by B is :-
(A) 15000 (B) 18000
(C) 10000 (D) 20000
13. Rs. 9520 is divided among A, B, C and D such that the ratio of shares of A and B is 1 : 2, that of B and C is 2 : 3 and that of C and D is 3 : 4 . The amount of money received by A and C is .
(A) 1904 (B) 3808
(C) 4760 (D) 4520
14. On the whole surface of earth, the ratio of land and water is 3: 5. The land and water are in northern hemisphere is 7 : 9. Then what is the ratio of land and water in southern hemisphere ?
(A) 6 : 7 (B) 5 : 11
(C) 9 : 2 (D) 3 : 2
15. Each student of the school contributes as much as rupees and as much as paisa of the no. of students of the school for the children affected by the drought. If the total contribution is Rs. 3636 . Find the number of students in the school .
(A) 60 (B) 45
(C) 55 (D) 50
16. A and B are two alloys of gold and copper prepared by mixing the metals in the ratio 5 : 3 and 5 : 11 respectively. Equal quantities of these alloys are melted to form a third alloy C. Find the ratio of gold and copper in alloy C .
(A) 25 : 33 (B) 33 : 25
(C) 15 : 17 (D) 17 : 15
17. In a vessel A the ratio of milk and water is 3 : 8 and in the vessel B the ratio of milk and water is 5 : 7. The ratio in which these mixtures be mixed to form a new mixture containing milk and water is :
(A) 17 : 18 (B) 91 : 173
(C) 82 : 115 (D) 8 : 15
18. Two equal vessels are filled with the mixture acid and water 3 : 4 and 5 : 3 respectively. If the mixtures are poured into a third vessel, what is the ratio of acid and water in the third vessel .
(A) 20 : 9 (B) 15 : 12
(C) 53 : 59 (D) 59 : 53
19. Price of diamond is directly proportional to square of its weight. A man broke the diamond accidentally in four pieces in the ratio of 1 : 2 : 3 : 4 and thus loses Rs. 70000 . What was the original price (In Rs.) of the diamond ?
(A) 10000 (B) 150000
(C) 100000 (D) 200000
20. A gold broke into three parts, the ratio of the weight of three parts is 3 : 4 : 5. The price of gold is directly proportional to its square weight. If there is a loss of Rs.9400 After breaking gold then what was the starting price of gold ?
(A) 21600 (B) 10000
(C) 14400 (D) 15000