

Quant Mega Quiz for SSC Tier-1

Q1. Lala has lent some money to Arun at 5% p.a. and Bhatia at 8% p.a. At the end of the year, he has gained an overall interest at the rate 6%. In what ratio has he lent the money to Arun and Bhatia?

- (a) 2 : 1
- (b) 1 : 2
- (c) 3 : 2
- (d) 3 : 1

Q2. The ratio of milk and water in mixtures of four containers are 5 : 3, 2 : 1, 3 : 2 and 7 : 4 respectively. In which container is the quantity of milk, relative to water, minimum?

- (a) First
- (b) Second
- (c) Third
- (d) Fourth

Q3. In a mixture of 25 litres, the ratio of acid to water is 4 : 1. Another 3 litres of water is added to the mixture. The ratio of acid to water in the new mixture is

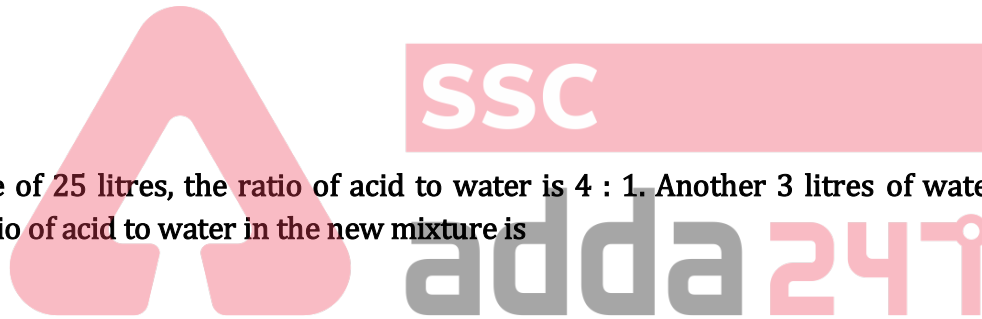
- (a) 5 : 2
- (b) 2 : 5
- (c) 3 : 5
- (d) 5 : 3

Q4. A person borrows some money for 5 years and ratio of loan amount : total interest amount is 5 : 2 for one year. Then find the ratio of loan amount : interest rate is equal to:

- (a) 2 : 25
- (b) 2 : 1
- (c) 5 : 2
- (d) 25 : 2

Q5. Ramesh deposited Rs. 15600 in a fixed deposit at the rate of 10% per annum simple interest. After every second year, he adds his interest earnings to the principal. The interest of third and fourth year is

- (a) Rs. 3276
- (b) Rs. 3120
- (c) Rs. 3744
- (d) Rs. 3640



12 Months Subscription



SSC

Useful for CGL, CHSL & others

TEST PACK

Q6. A sum of money at a certain rate per annum of simple interest doubles in the 5 years and at a different rate it becomes three times in 12 years. The lower rate of interest per annum is

- (a) 15%
- (b) 20%
- (c) $15\frac{3}{4}\%$
- (d) $16\frac{2}{3}\%$

Q7. 15 men take 20 days to complete a job working 8 hours a day. The number of hours a day should 20 men take to complete the job in 12 days

- (a) 5 hours
- (b) 10 hours
- (c) 15 hours
- (d) 18 hours

Q8. Having the same capacity 9 taps fill up a water tank in 20 minutes. How many taps of the same capacity are required to fill up the same water tank in 15 minutes?

- (a) 10
- (b) 12
- (c) 15
- (d) 18

Q9. Raj and Ram working together do a piece of work in 10 days. Raj alone can do it in 12 days. Ram alone will do the work in

- (a) 20 days
- (b) 40 days
- (c) 50 days
- (d) 60 days

Q10. A shopkeeper sold an item at 10% loss after giving a discount equal to half the marked price. Then the cost price is

- (a) $\frac{1}{9}$ th of marked price
- (b) $\frac{4}{9}$ th of marked price
- (c) $\frac{5}{9}$ th of marked price
- (d) $\frac{7}{9}$ th of marked price

Q11. A man rows a distance of 12 km in 1 hour in still water and in 80 minutes against the current. Find the time taken by him to row 45 km with the current and return to the starting point.

- (a) 8 hr.
- (b) 6 hr.
- (c) 12 hr.
- (d) 16 hr.

Q12. The average age of employees of a company is 35 yr. If 5 new persons with an average age of 32 years join the company, the average of the entire company becomes 34 years. How many people were there in the company initially?

- (a) 10
- (b) 12
- (c) 8
- (d) None of these

Q13. The bowling average of a cricketer was 12.4. He improves his bowling average by 0.2 points when he takes 4 wickets for 26 runs in his last match. The number of wickets taken by him before the last match was

- (a) 125
- (b) 150
- (c) 175
- (d) 114

Q14. Rs 600 are divided among A, B and C so that Rs 40 more than $\frac{2}{5}$ of A's share, Rs 20 more than $\frac{2}{7}$ of B's share and Rs 10 more than $\frac{9}{17}$ of C's share are all equal. A's share is

- (a) Rs 180
- (b) Rs 160
- (c) Rs 150
- (d) Rs 140

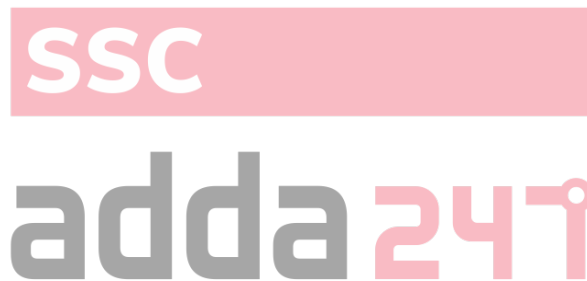
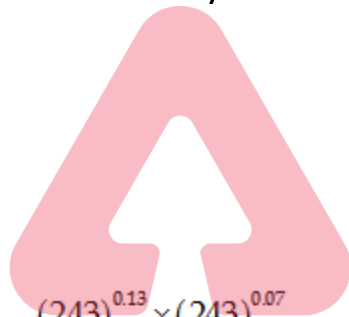
Q15.

The value of $\frac{(243)^{0.13} \times (243)^{0.07}}{(7)^{0.25} \times (49)^{0.075} \times (343)^{0.2}}$ is:

- (a) $\frac{3}{7}$
- (b) $\frac{7}{3}$
- (c) $1\frac{3}{7}$
- (d) $2\frac{2}{7}$

Q16. The ratio of the number of boys and girls in a school was 5 : 3. Some new boys and girls were admitted to the school, in the ratio 5 : 7. At this the total number of students in the school became 1200, and the ratio of boys to girls changed to 7:5. The number of students in the school before new admissions was

- (a) 700
- (b) 720
- (c) 900
- (d) 960



12 Months Subscription

SSC

MAHA PACK

Live Class, Video Course,
Test Series, eBooks

Bilingual (with eBooks)

Q17. The ratio of the first and second class trains fares between two stations is 3 : 1 and that of the numbers of passengers travelling between the two stations by first and second classes is 1 : 50. If on a particular day, Rs 1,325 are collected from passengers travelling between the two stations, then the amount collected from the second classes passengers is

- (a) Rs 1,250
- (b) Rs 1,000
- (c) Rs 850
- (d) Rs 750

Q18. A man leaves Rs 8,600 to be divided among 5 sons, 4 daughters and 2 nephews. If each daughter receives four times as much as each nephew, and each son receives five times as much as each nephew, how much does each daughter receive?

- (a) Rs 100
- (b) Rs 600
- (c) Rs 800
- (d) Rs 1,000

Q19. The ratio, in which rice costing Rs 192 per kg is to be mixed with rice costing Rs 150 per kg so that the mixed rice when sold for Rs 194.40 per kg, gives a profit of 20%, is

- (a) 2 : 5
- (b) 3 : 5
- (c) 5 : 3
- (d) 5 : 2

Q20. While selling a shirt, a shopkeeper gives a discount of 7%. If he had given a discount of 9%, he would have got Rs 15 less as profit. The marked price of the shirt is

- (a) Rs 750
- (b) Rs 720
- (c) Rs 712.50
- (d) Rs 600

Q21. Lala has lent some money to Arun at 5% p.a. and Bhatia at 8% p.a. At the end of the year, he has gained an overall interest at the rate 6%. In what ratio has he lent the money to Arun and Bhatia?

- (a) 2 : 1
- (b) 1 : 2
- (c) 3 : 2
- (d) 3 : 1

Q22. The ratio of milk and water in mixtures of four containers are 5 : 3, 2 : 1, 3 : 2 and 7 : 4 respectively. In which container is the quantity of milk, relative to water, minimum?

- (a) First
- (b) Second
- (c) Third
- (d) Fourth

Q23. In a mixture of 25 litres, the ratio of acid to water is 4 : 1. Another 3 litres of water is added to the mixture. The ratio of acid to water in the new mixture is

- (a) 5 : 2
- (b) 2 : 5
- (c) 3 : 5
- (d) 5 : 3

Q24. A person borrows some money for 5 years and ratio of loan amount : total interest amount is 5 : 2 for one year. Then find the ratio of loan amount : interest rate is equal to:

- (a) 2 : 25
- (b) 2 : 1
- (c) 5 : 2
- (d) 25 : 2

Q25. Ramesh deposited Rs. 15600 in a fixed deposit at the rate of 10% per annum simple interest. After every second year, he adds his interest earnings to the principal. The interest of third and fourth year is

- (a) Rs. 3276
- (b) Rs. 3120
- (c) Rs. 3744
- (d) Rs. 3640

Q26. A sum of money at a certain rate per annum of simple interest doubles in the 5 years and at a different rate it becomes three times in 12 years. The lower rate of interest per annum is

- (a) 15%
- (b) 20%
- (c) $15\frac{3}{4}\%$
- (d) $16\frac{2}{3}\%$

Q27. 15 men take 20 days to complete a job working 8 hours a day. The number of hours a day should 20 men take to complete the job in 12 days

- (a) 5 hours
- (b) 10 hours
- (c) 15 hours
- (d) 18 hours

Q28. Having the same capacity 9 taps fill up a water tank in 20 minutes. How many taps of the same capacity are required to fill up the same water tank in 15 minutes?

- (a) 10
- (b) 12
- (c) 15
- (d) 18

Q29. Raj and Ram working together do a piece of work in 10 days. Raj alone can do it in 12 days. Ram alone will do the work in

- (a) 20 days
- (b) 40 days
- (c) 50 days
- (d) 60 days

Q30. A shopkeeper sold an item at 10% loss after giving a discount equal to half the marked price. Then the cost price is

- (a) $\frac{1}{9}$ th of marked price
- (b) $\frac{4}{9}$ th of marked price
- (c) $\frac{5}{9}$ th of marked price
- (d) $\frac{7}{9}$ th of marked price

