

Quantitative Aptitude for RRB Group-D

Q1. If A is equal to 20% of B and B is equal to 25% of C. Then what percentage of C is equal to A?

- (a) 10
- (b) 15
- (c) 5
- (d) 20

Q2. The price of an article is decreased by 10% to restore it to its former value, the new price must be increased by:

- (a) $9\frac{1}{11}\%$
- (b) 10%
- (c) 11%
- (d) $11\frac{1}{9}\%$

Q3. In an examination, 35% of total students failed in Hindi, 45% failed in English and 20% failed in both. Find the percentage of those students who passed in both the subjects?

- (a) 45%
- (b) 35%
- (c) 20%
- (d) 40%

Q4. A's salary is 50% more than that of B. Then B's salary is less than that of A by

- (a) 50%
- (b) $33\frac{1}{3}\%$
- (c) $33\frac{1}{4}\%$
- (d) $44\frac{1}{2}\%$

Q5. Kamal had some apples. He sold 40% more than what he ate. If he sold 70 apples, then find the number of apples he ate?

- (a) 18
- (b) 42
- (c) 50
- (d) 99

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Q6. What is the difference between 0.6 and 0.6% ?

- (a) 5.94
- (b) 0.594
- (c) 60
- (d) 54

Q7. A's salary was decreased by 50% and subsequently increased by 50%. How much percent does he lose?

- (a) 25%
- (b) 30%
- (c) 20%
- (d) No loss

Q8. The ratio of number of boys and girls in a school of 720 students is 7 : 5. How many more girls should be admitted to make the ratio 1 : 1?

- (a) 90
- (b) 120
- (c) 220
- (d) 240

Q9. A basket contains 300 mangoes. 75 mangoes were distributed among some students. Find the percentage of mangoes left in the basket

- (a) 70%
- (b) 73%
- (c) 76%
- (d) 75%

Q10. If 35% of A's income is equal to 25% of B's income, then the ratio of A's income to B's income is

- (a) 7 : 5
- (b) 5 : 7
- (c) 4 : 7
- (d) 4 : 3

Q11. Two buses travel to a place at 45 km/hr and 60 km/hr respectively. If the second bus takes $5\frac{1}{2}$ hours less than the first for the journey, the length of the journey is:

- (a) 900 km
- (b) 945 km
- (c) 990 km
- (d) 1350 km

Q12. A car moving in the morning fog passes a man walking at 4 km/h in the same direction. The man can see the car for 3 minutes and visibility is upto a distance of 130 m. The speed of the car is:

- (a) 10 km/hr
- (b) 6.6 km/hr
- (c) 7 km/hr
- (d) 5 km/hr

Q13. At an average of 80 km/hr Shatabdi Express reaches Ranchi from Kolkata in 7 hrs. Then the distance between Kolkata and Ranchi is

- (a) 560 km
- (b) 506 km
- (c) 560 m
- (d) 650 m

Q14. To cover a certain distance with a speed of 60 km/hr, a train takes 15 hours. If covers the same distance in 12 hours, what will be its speed?

- (a) 65 km/h
- (b) 70 km/h
- (c) 75 km/h
- (d) 80 km/h

Q15. A car can finish a certain journey in 10 hours at a speed of 42 kmph. In order to cover the same distance in 7 hours, the speed of the car (km/h) must be increased by:

- (a) 12
- (b) 15
- (c) 18
- (d) 24

Q16. A man travels 450 km to his home partly by train and partly by car. He takes 8 hrs 40 min if he travels 240 km by train and rest by car. He takes 20 mins more if he travels 180 km by train and the rest by car. The speed of the car in km/hr is

- (a) 45
- (b) 50
- (c) 60
- (d) 48

Q17. A train 'B' speeding with 100 kmph crosses another train C, running in the same direction, in 2 mins. If the length of the train B and C be 150 m and 250 m respectively, what is the speed of the train C (in kmph)?

- (a) 75
- (b) 88
- (c) 95
- (d) 110



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Q18. Two donkeys are standing 400 metres apart. First donkey can run at a speed of 3 m/sec and the second can run at 2 m/sec. If two donkeys run towards each other after how much time (in sec) will they bump into each other?

- (a) 60
- (b) 80
- (c) 400
- (d) 40

Q19. Rubi goes to a multiplex at the speed of 3 km/hr to see a movie and reaches 5 minutes late. If she travels at the speed of 4 km/hr she reaches 5 minutes early, Then the distance of the multiplex from her starting point is

- (a) 2 km
- (b) 5 km
- (c) 2 m
- (d) 5 m

Q20. A man travels some distance at a speed of 12 km/hr and returns at a speed of 9 km/hr. If the total time taken by him is 2 hr 20 min, the distance is

- (a) 35 km
- (b) 21 km
- (c) 9 km
- (d) 12 km

Q21. 10 kg of wheat priced at Rs. 8 mixed with 15 kg of wheat priced at Rs. 10. What is average price of whole mixture?

- (a) Rs. 9.5 kg
- (b) Rs. 9.2 kg
- (c) Rs. 7.5 kg
- (d) Rs. 8.5 kg

Q22. 40 litres of a mixture of milk and water contains 10% of water, the water to be added, to make the water content 20% in the new mixture. Find how many litres water will be added?

- (a) 6 litres
- (b) 6.5 litres
- (c) 5.5 litres
- (d) 5 litres

Q23. A sugar solution of 3 litre contain 60% sugar. One litre of water is added to this solution. Then the percentage of sugar in the new solution is:

- (a) 30
- (b) 45
- (c) 50
- (d) 60

Q24. In what ratio must a grocer mix tea at Rs. 60 per kg, and Rs. 65 per kg, so that by selling the mixture at Rs. 68.20 per kg, he may gain 10%.

- (a) 3 : 2
- (b) 3 : 4
- (c) 3 : 5
- (d) 4 : 5

Q25. A barrel contains a mixture of wine and water in the ratio 3 : 1. How much fraction of the mixture must be drawn off and substituted by water so that the ratio of wine and water in the resultant mixture in the barrel becomes 1 : 1?

- (a) $\frac{1}{4}$
- (b) $\frac{1}{3}$
- (c) $\frac{2}{3}$
- (d) 1

Q26. 12500 students appeared in an exam. 50% of the boys and 70% of the girls cleared the examination. If the total percent of students qualifying is 60%, how many girls appeared in the exam?

- (a) 6500
- (b) 6200
- (c) 5500
- (d) 6250

Q27. There are 81 litres pure milk in a container. One-third of milk is replaced by water in the container. Again one-third of mixture is extracted and equal amount of water is added. What is the ratio of milk to water in the new mixture?

- (a) 1 : 2
- (b) 1 : 1
- (c) 2 : 1
- (d) 4 : 5

Q28. In 80 litres mixture of milk and water the ratio of amount of milk to that of amount of water is 7 : 3. In order to make this ratio 2 : 1 how many litres of water should be added?

- (a) 5
- (b) 6
- (c) 8
- (d) 4

Q29. Vessels A and B contain mixture of milk and water in the ratio 4 : 5 and 5 : 1 respectively. In what ratio should quantities of mixture be taken from A and B to form a mixture in which milk to water is in the ratio 5 : 4?

- (a) 2 : 5
- (b) 4 : 3
- (c) 5 : 2
- (d) 2 : 3

Q30. The milk and water in a mixture are in the ratio 7 : 5. When 15 litres of water are added to it. The ratio of milk and water in the new mixture becomes 7 : 8. The total quantity of water in the new mixture is

- (a) 35 litres
- (b) 40 litres
- (c) 60 litres
- (d) 96 litres

