

Quantitative Aptitude Sunday Mega Quiz for RRB NTPC

Q1. If the sum of a number and its reciprocal be 2, then the number is

- (a) 0
- (b) 1
- (c) - 1
- (d) 2

Q2. The area of a rectangle is 60 cm^2 and its perimeter is 34 cm, then the length of the diagonal is:

- (a) 17 cm
- (b) 11 cm
- (c) 15 cm
- (d) 13 cm

Q3. A cloth merchant has announced 25% rebate in prices. If one needs to have a rebate of 40, then how many metres of cloth costing 32 per metre he should purchase.

- (a) 6m
- (b) 5m
- (c) 10m
- (d) 7m

Q4. A profit of Rs. 960 is divided between A and B in the ratio $1/3:1/2$. The difference of their profit is:

- (a) Rs. 120
- (b) Rs. 160
- (c) Rs. 192
- (d) Rs. 240

Q5. The average monthly salary of 19 members of a group is Rs. 16000. If one more members whose monthly salary is Rs. 20000 has joined the group, then the average salary of the group is:

- (a) Rs. 18250
- (b) Rs. 16200
- (c) Rs. 18000
- (d) Rs. 16250

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Q6. A T.V was sold at a profit of 5% If it had been sold at a profit of 10%, the profit would have been Rs. 1000 more. What is its cost price?

- (a) Rs. 20000
- (b) Rs. 5000
- (c) Rs. 10000
- (d) Rs. 15000

Q7. 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) $11\frac{1}{9}\%$

Q8. A moving train passes a platform 50m long in 14 seconds and a lamp post in 10 seconds. The speed of the train (in km/h) is:

- (a) 24
- (b) 36
- (c) 40
- (d) 45

Q9. An angle in a semicircle is:

- (a) 45°
- (b) 60°
- (c) 90°
- (d) 120°

Q10. A sum of Rs. 2000 amounts to Rs. 4000 in two years at compound interest. In how many years does the same amount becomes Rs. 8000.

- (a) 2
- (b) 4
- (c) 6
- (d) 8

Q11. A boat can row 35 km upstream in 7 hours and the same distance downstream in 5 hours. What is the speed (in km/hr) of the boat in still water?

- (a) 5
- (b) 7
- (c) 9
- (d) 6

Q12. Vishnu travelled equal distances at speeds of 10 km/hr., 30 km/hr, and 8 km/hr took a total of 15.5 minutes to complete. Find the total distance he travelled, in km.

- (a) 1
- (b) 3
- (c) 4
- (d) 2

Q13. Two cars start from a house at an interval of 10 minutes and travel at a speed of 20 km/hr. With how much speed (km/hr.) should a woman coming from the opposite direction towards the house travel, to meet the cars at an interval of 8 minutes?

- (a) 5
- (b) 6
- (c) 7
- (d) 4

Q14. Speed of a boat in still water is 12 kmph and that of the current is 3 kmph. A man rows a boat upstream up to 135 km and returns downstream to the starting point. Find the total time taken for the entire journey in hours.

- (a) 24
- (b) 48
- (c) 36
- (d) 30

Q15. The speed of car M is twice that of car W. If car M covers 120 km in 2 hrs & 30 mins, what is the speed of car W?

- (a) 36 kmph
- (b) 48 kmph
- (c) 24 kmph
- (d) 42 kmph

Q16. A train of length 600 metre crosses a platform of length 1000 metre in 80 seconds. What is the speed (in m/s) of the train?

- (a) 20
- (b) 72
- (c) 16
- (d) 36

Q17. Car-I covers a distance in a certain time. Car-II takes double the time to cover half the same distance.

Find the ratio of their respective speeds.

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

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Q18. A person walks through a distance of 600 m in 5 minutes. What is his speed in kmph?

- (a) 8.6 kmph
- (b) 8.4 kmph
- (c) 6.8 kmph
- (d) 7.2 kmph

Q19. A car covers a certain distance in 45 minutes at a speed of 60 kmph. What should be the speed in kmph, if it has to cover the same distance 5 minutes earlier?

- (a) 62
- (b) 58.25
- (c) 55
- (d) 67.5

Q20. Payal covers a distance of 1500 meter in 3 min. find the time in which she covers 450 meter distance at same speed

- (a) 72 sec
- (b) 45 sec
- (c) 54 sec
- (d) 36 sec

Q21. If the cost price of 10 articles is equal to the selling price of 7 articles, then the gain or loss percent is:

- (a) 51% gain
- (b) $42\frac{6}{7}\%$ gain
- (c) 35% loss
- (d) $42\frac{6}{7}\%$ loss

Q22. A man purchases some oranges @3 for Rs. 40 and the same quantity @5 for Rs. 60. If he sells all the oranges @3 for Rs. 50. Find his gain or loss percent (to the nearest integer)

- (a) 32% profit
- (b) 31% loss
- (c) 34% loss
- (d) 31% profit

Q23. A trader marks his goods 20% above cost price but allows his customers a discount of 10%, the cost price of a blackboard, which is sold for Rs. 216, is

- (a) Rs. 196
- (b) Rs. 180
- (c) Rs. 200
- (d) Rs. 108

Q24. By selling 12 oranges for Rs. 1, a man loss 20%. How many oranges for Rs. 1 did he sell to earn 20% profit?

- (a) 8 oranges
- (b) 10 oranges
- (c) 16 oranges
- (d) 5 oranges

Q25. Ramesh marks his goods 30% above cost price. If sells the item for Rs. 910 after allowing a discount 15%. Find his cost price ?

- (a) Rs. 823.5
- (b) Rs. 758
- (c) Rs. 814.2
- (d) Rs. 856 .5



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