

SET 1

APTITUDE QUESTIONS

1. Sachin is younger than Rahul by 4 years. If their ages are in the respective ratio of 7:9, how old is Sachin?
2. My grandfather was once telling me that his father spent a fourth of his life as a child, A fifth as a youth, a third as a man and only 13 years as an oldman. how old was my great grandfather when he died?
3. A man takes 5hrs 45min in walking to a certain place and riding back. He would have 2 hrs by riding both ways. The time he would take to walk both ways?
4. A Thief steals a car at 2.30p.m and drives it at 60kmph. The theft is discovered at 3p.m and the owner sets off in another car at 75kmph. When will he overtake the thief?
5. If $2x - y = 4$ then $6x - 3y = ?$
6. If $x = y = 2z$ and $xyz = 256$ then what is the value of x ?
7. $(\frac{1}{10})^{18} - (\frac{1}{10})^{20} = ?$
8. Pipe A can fill in 20 minutes and Pipe B in 30 mins and Pipe C can empty the same in 40 mins. If all of them work together, find the time taken to fill the tank?
9. Thirty men take 20 days to complete a job working 9 hours a day. How many hours a day should 40 men work to complete the job?
10. Find the smallest number in a GP whose sum is 38 and product 1728
11. A boat travels 20 kms upstream in 6 hrs and 18 kms downstream in 4 hrs. Find the speed of the boat in still water and the speed of the water current?
12. A goat is tied to one corner of a square plot of side 12m by a rope 7m long. Find the area it can graze?
13. A worker is paid Rs.20/- for a full days work. He works $1, \frac{1}{3}, \frac{2}{3}, \frac{1}{8}, \frac{3}{4}$ days in a week. What is the total amount paid for that worker?
14. What is the selling price of a car? If the cost of the car is Rs.60 and a profit of 10% over selling price is earned?
15. In a class composed of x girls and y boys what part of the class is composed of girls?
16. One-third of 1206 is what % of 134?
17. A man walking at the rate of 5km/hr crosses a bridge in 15mins. The length of the bridge in meters is

18. One of the two buses completes the journey of 300km in $7\frac{1}{2}$ hrs and the other a journey of 450 km in 9 hrs. The ratio of their average speeds is?
19. A train covers a distance in 10km in 12 mins. If its speed is decreased by 5 km/hr, the Time taken by it to cover the same distance will be?
20. A person travels equal distances with speeds of 3km/hr, 4km/hr and 5km/hr and takes a Total time of 47mins .The total distance (in km)?
21. Man travels from A to B a distance of 250miles in $5\frac{1}{2}$ hrs. He returns to A in 4 and 30mins .His average speed is:
22. An electric pump can fill a tank in 3 hours. Because of a leak in the tank it took $3\frac{1}{2}$ hrs To fill the tank. If the tank is full, how much time will the leak take to empty it?
23. Two pipes A and B can fill a tank in 20min and 30min resp. If both the pipes are used to Together, then how long will it take to fill the tank?
24. One pipe can fill a tank three times as fast as another pipe. If together the two pipes can Fill the tank in 36mins,and then the slower pipe alone will be able to fill the tank in?
25. 12 buckets of water fill a tank when the capacity of each tank is 13.5 litres. How many buckets will be needed to fill the same tank, if the capacity of each bucket is 9litres?
26. Two pipes A and B can fill a tank in 6 hours and 4 hours respectively. If they are opened On alternate hours and if pipe A is opened first, in how many hours the tank shall be full?
27. Two pipes can fill a tank in 20 and 24mins resp and a waste pipe can empty 3 gallons Per min. All the three pipes working together can fill the tank in 15mins.The capacity of Tank is?
28. Three pipes A, B, C can fill a tank in 6 hours. After working at it together for 2 hours is Closed and A and B can fill the remaining part in 7 hours. The number of hours taken by C alone to fill the tank is?
29. A train 240m length passed a pole in 24secs.How long will it take to pass a platform of 650m long?
30. A goods train runs at the speed of 72kmph and crosses a 250m long platform in 26secs.What is the length of the goods train?
31. A train of length 150m takes 40.5 secs to cross a tunnel of length 300m.What is the speed of the train in km/hr?
32. A 300m long train crosses a platform in 39secs while it crosses a signal pole in18secs. What is the length of the platform?
33. A Train takes 18secs to pass completely through a station of 162m long and 15 secs through another station of 120m long. The length of the train is?

34. Two trains of equal length are running on parallel lines in the same direction at 46km/hr and 36-km/hr .The faster train passes the slower train in 36secs.The length of each train?
35. The sum of all 3-digit numbers which will leave the remainder 1 when divided by 4?
36. If the operation, \wedge is defined by the equation $x \wedge y = 2x + y$,what is the value of a in $2 \wedge a = a \wedge 3$
37. A father is 30 years older than his son however he will be only thrice as old as the son after 5 years. What is father's present age?
38. 5 men or 8 women do equal amount of work in a day. a job requires 3 men and 5 women to finish the job in 10 days how many woman are required to finish the job in 14 days.
39. If 12 pumps working 7hrs a day can lift 2800 tons of water in 20 days, in how many days can 20 pumps working 9hrs a day lift 3000 tons of water?
40. One woman and two girls can do a piece of work in 5hrs and two women and one girl can do it in 4hrs.In what time can a woman and a girl do the work?
41. If 8 men or 14 boys can do a piece of work in 29 days then how many days will 24men and 16 boys take to do the same work?
42. 15 men are employed to do a piece of work, which they can finish in 10days but 5men drop off at the end of every 5 days. In how many days will the work be completed?
43. If three men with four boys can earn RS.528 in 8 days and two men with three boys can earn RS.368 in the same time, how many can six men with seven boys earn RS.630?
44. X says to Y: I am thrice your current age but 15 years hence the ratio will alter to 2:1.what are their current ages?
45. If the square of Tinu's age is added to Manu's age, the sum is 62;but if you add the square of Manu's age to Tinu's age, total sums to 176.Find out their ages.
46. My son is 21 years my junior and the sum of the squares of our current ages would add up to be equal to the square of what my age would be 3 years hence. What is my current age?
47. 45 men can complete a work in 16 days. Six days after they started working, 30 more men joined them. How many days will they take to complete the remaining work?
48. A is twice as good as workman as B and together they finish a piece of work in 14days.The number of days taken by A alone to finish the work is?
49. A is 30% more efficient than B.How much time will they, working together take to complete a job which A alone could have done in 23days?
50. A does half as much as work as B in three-fourth of the time. If together they take 18 days to complete the work, how much time shall B take to do it?

51. There are five persons A, B, C, D, E. A weighs twice as much as B. Weight of B is 50% of the weight of C. Weight of D is 40% of that of E. Weight of E is 125% of the weight of A. Find who weighs the least.
52. Ten percent of N is $(1.3 \times 12.8) + (13 \times 1.72)$. What is N?
53. When the price of maruti car increased by 30%, the number of maruti cars sold decreased by 20%. The total sales revenue will then increase or decrease by what percent?
54. The rate of inflation in a particular country is 1000% per annum. A product, which costs 5 units of currency, now will in two years cost?
55. Fresh grapes contain 90% of water and dried grapes contain 20% water by weight. The weight of dry grapes available from 20kg of fresh grapes in kilograms will be?
56. If Peter distributed a hundred and sixty nine apples to his three sons Tom, Harry and Steve so that ratio of apples they had was resp a half, a third, a fourth, how many apples did Steve get?
57. From each of two given numbers, half the smaller number is subtracted. Of the resulting numbers the larger one is three times as larger as the smaller. What is the ratio of the two numbers?
58. A man engaged a servant on the condition that he would pay him rs.90 and also give him a turban after service of one year. He served only 9months and received turban and RS.65.find the value of turban in rupees?
59. What is the ratio whose terms differ by 40 and the measure of which is $2/7$?
60. A certain amount was divided between A and B in the ratio 4:3.If B's share was 4800,the total amount was?
61. Zinc and copper are melted together in the ratio 9:11.What is the weight of melted mixture, if 28.8 kg of zinc has been consumed in it?
62. If 10% of $x = 20\%$ of y , then $x : y$ is equal to:
63. The speeds of three cars are in the ratio 5:4:6. The ratio between the time taken by them to travel the same distance is:
64. A watch which gains uniformly is 5 min slow at 8 o'clock in the morning on Sunday and it is 5min.48sec fast at 8 p.m on following Sunday. When was it correct?
65. A clock is set right at 5 a.m. The clock loses 16mins in 24hrs.What will be true time when the clock indicates 10 p.m. on the 4th day?
66. On what dates of July 2004 did Monday fall?
67. Today is Friday. after 62days it will be which day?
68. What was the day of the week on 17th June 1998?

69. In a game of 80 points, A can give B 5 points and C 15 points. Then how many points B can give C in a game of 60?
70. In a 300m race A beats B by 22.5m or 6 secs. Whats B's time over the race?
71. A dishonest milkman professes to sell his milk at cost price but he mixes it with water and thereby gains 25%. Whats the percentage of water in the mixture?
72. In what ratio must tea at RS.62 per kg be mixed with tea at RS.72 kg so that mixture must be worth RS.64.50 per kg?
73. A motorboat whose speed is 15km/hr in still water goes 30km downstream and comes back in a total of 4hrs 30mins.What is the speed of the stream in km/hr?
74. A man can row at 5 kmph in still water. If the velocity of current is 1kmph and it takes him 1 hr to row to a place and come back, how far is the place?
75. A speed of boat in still water is 10km/hr. If it can travel 26km downstream and 14km upstream in the same time, what is the speed of the stream?

