**MCQ on Numerical Ability**

1. The smallest number which when increased by 10, completely divisible by 12, 15, 18, 20 and 24 is
2. 375, (b) 350, (c) 380, (d) 355
3. The traffic lights at three different road crossings change after every 48 sec., 72 sec. and 108 sec. respectively. If they all change simultaneously at hours, then at what time will they again change simultaneously?
4. 8 : 27 : 12 hrs, (b) 8 : 27 : 32 hrs (c) 8 : 32 : 12 hrs, (d) 8 : 25 : 12 hrs
5. The product of two numbers is 2028 and their H.C.F. is 13. The number of such pairs is
6. 1, (b) 2, (c) 3, (d) 4.
7. A number is divided by 7. When this number is divided by 8, 12 and 16. It leaves a remainder 3 in each case. The least value of is:
8. 148, (b) 149, (c) 150, (d) 147
9. 4.752 (b) 12 (c) 13.2 (d) 15.84, (e) none
10. , (b) , (c) , (d) .
11. of a number is equal to twenty five percent of second number. Second number is equal to of the third number. The value of the third number is 2960. What is 30% of the first number ?
12. 99.9, (b) 88.8, (c) 77.7, (d) None
13. The value of

is

1. 0.32, (b) 0.0886, (c) 1.1286 (d) None
2. 7/55 (b) 4/55, (c) 6/55, (d) 7/65
3. Manick visited his cousin Aniket during the summer vacation. In the mornings, they both would go for swimming. In the evenings, they would play tennis. They would engage in at most one activity per day i.e., either they went swimming or played tennis each day. There were days when they took rest and stayed home all day long. There were 32 mornings when they did nothing, 18 evenings when they stayed at home, and a total of 28 days when they swam or played tennis. What duration of the summer vacation did Manick stay with Aniket ?
4. 36 days (b) 39 days (c) 46 days (d)58 days
5. A gives *B* as many rupees as *B* has and *C* as many rupees as *C* has. Similarly, *B* then gives *A* and *C* as many rupees as each then has. *C*, similarly, then gives *A* and *B* as many rupees as each then has. If each finally has Rs 16, with how many rupees does *A* start?
6. 26 (b) 28 (c)30 (d) 32
7. In a class of 25 students, 12 have taken Mathematics, 8 have taken Mathematics but not Biology. The number of students who have taken both Mathematics and Biology is
8. 4 (b) 8 (c)24 (d) 36
9. In an examination, a student scores 4 marks for every correct answer and loses 1 mark for every wrong answer. A student attempted all the 200 questions and scored in all 200 marks. The number of questions he answered correctly was
10. 60 (b) 68, (c)80 (d) 82
11. To win an election, a candidate needs 3/4 of the votes cast. If after of the votes have been counted, a candidate has of what he needs, then what part of the remaining votes does he still need?
12. 1/8, (b) 3/8, (c) 1/10, (d)
13. Income of a company doubles after every one year. If the initial income was Rs 4 lakhs, what would be the income after 5 years?
14. 1.24 cr (b) 1.28 cr (c)2.52 cr (d)2.56 cr (e) none
15. In a hospital, there were 200 Diabetes, 150 Hyperglycaemia and 150 Gastro-enteritis patients. Of these, 80 patients were treated for both Diabetes and Hyperglycaemia. Sixty patients were treated for Gastro-enteritis and Hyperglycaemia, while 70 were treated for Diabetes and Gastro-enteritis. Some of these patients have all the three diseases. Doctor Dennis treats patients with only Diabetes. Doctor Hormis treats patients with only Hyperglycaemia and Doctor Gerard treats patients with only Gastro-enteritis. Doctor Paul is a Generalist. Therefore, he can treat patients with multiple diseases. Patients always prefer a specialist for their disease. If Dr. Dennis had 80 patients, then the other three doctors can be arranged in terms of the number of patients treated as

(a) Paul > Hormis > Gerard

(b) Gerard > Paul > Hormis

(c) Paul > Gerard > Hormis

(d) None of these

1. The average monthly expenditure of a family was Rs 2200 during the first 3 months; Rs 2250 during the next 4 months and Rs 3120 during the last 5 months of a year. If the total savings during the yearwere Rs 1260, the average monthly income of the family is.
2. 1120 (b)2750 (c)2705 (d) none
3. Among five people with monthly income (in Rs) 15000, 26000, 16000, 19000 and 50000, how many will have income less than the mean income of five people?
4. 1, (b) 2, (c) 3, (d) 4
5. There are five boxes in a cargo hold. The weight of the first box is 200 kg and the weight of the second box is 20% more than the weight of the third box, whose weight is 25% more than the first box’s weight. The fourth box at 350 kg is 30% lighter than the fifth box. The difference in the average weight of the four heaviest boxes and the four lightest boxes is
6. 37.5 kg (b) 51.5 kg (c) 75 kg (d) 112.5 kg
7. The mean of the first ten even natural numbers is
8. 9 (b) 10 (c) 11 (d) 12
9. In a certain factory there are five workers A, B, C, D and *E*. A can complete a work in 4 minutes, *B* in 5 minutes, *C* in 6 minutes, *D* in 10 minutes and *E* in 12 minutes. The average number of units of work completed per worker per minute will be
10. 0.16 (b) 0.172 (c) 0.80 (d) 0.87
11. Out of three numbers, the first is twice the second and is half of the third. If the average of the three numbers is 56, then difference of first and third numbers is
12. 12 (b) 20 (c) 24 (d) 48
13. The mean of 5 observations is 60, the mean of 10 observations is 30 and the mean of 15 observations is 20. The mean of all the 30 observations is
14. 20 (b) 25 (c) 30 (d) 40
15. The average of two numbers is 6.5 and square root of their product is 6. What are the numbers?
16. 11 and 2 (b) 8 and 5 (c) 9 and 4 (d) 10 and 3
17. The average sale of a car dealership was 15 cars per week. After a promotional scheme the average sale increased to 21 cars per week. The percentage increase in the sale of cars was

(a)39.33 % (b) 40% (c) % (d) 140%

1. The ratio of the ages of Tina and Rakesh is respectively. Ten years ago, the ratio of their ages was respectively. What is the present age of Rakesh?
2. 2, (b) 3, (c) 4, (d) None
3. The age of father 10 years ago was thrice the age of his son. 10 years hence father’s age will be twice that of his son. Find the ratio of their present ages.
4. 7:3 (b) 3:7 (c) 4:5 (d) 5:4
5. The ratio of the present ages of a mother and her daughter is . Four years ago, the ratio of their ages was . What will be the mother’s age four years from now?
6. 42 years (b) 38 years (c) 46 years (d) 36 years (e) None
7. Rahul is as much younger than Sagar as he is older than Purav. If the sum of the ages of Purav and Sagar is 66 years, and Sagar’s age is 48 years, then what is Purav’s age? (in years)
8. 18 (b)16 (c) 20 (d)12
9. Eight year ago, Poorvi’s age was equal to the sum of the present ages of her one son and one daughter. Five years hence, the respective ratio between the ages of her daughter and her son that time will be . If Poorvi’s husband is 7 years elder to her and his present age is three times the present age of their son, what is the present age of the daughter?
10. 15 years (b) 23 years (c)19 years 27 years (d)13 years.
11. Tanya’s grandfather was 8 times older to her 16 years ago. He would be 3 times of her age 8 years from now. 8 years ago, what was the ratio of Tanya’s age to that of her grandfather ?
12. 1:2 (b) 1:5 (c) 3:8 (d) None
13. 18 years ago, a man was three times as old as his son. Now, the man is twice as old as his son. The sum of the present ages of the man and his son is
14. 54 years (b) 72 years (c) 105 years (d) 108 years
15. The ages of two persons differ by 20 years. If 5 years ago, the older one be 5 times as old as the younger one, then their present ages are
16. 25 years, 5 years, (b) 30 years, 10 years
17. 35 years, 15 years, (d) 50 years, 30 years
18. Ratio between the ages of Subhash, Prasad and Amar is . If the difference between the ages of Prasad and Amar is 10 years, then what is the difference between the ages of Subhash and Prasad?
19. 5 years (b) 10 years (c) 20 years (d) 30 years
20. What is 28% of 36% of 5/7 th of 5000 ?
21. 360 (b) 375 (c) 420 (d) 480 (e) none
22. Nandini Basu bought an article for Rs 5844. She gave Rs 156 to a mechanic to remove its defect. She then sold it for Rs 5700. What was her loss per cent?
23. 5 % (b) 5.5% (c) 2.5 % (d) 2.46 %
24. In a village 60% votes were cast in an election. A and B were the contestants. A won by 600 votes. If B had got 40% more votes, there would have been a tie between them. Find the number of recognized voters in the village.
25. 4500, (b) 2800 (c) 3500 (d) 3600
26. State Electricity Board gives 15% discount on electric bills if it is paid before due date. One person gets Rs 54 as discount. The amount of actual bill was:
27. Rs 362 (b) Rs 359 (c) 360 (d) 361
28. In an examination, 30% and 35% students respectively failed in History and Geography while 27% students failed in both the subjects. If the number of students passing the examination is 248, find the total number of students who appeared in the examination.
29. 380 (b) 400 (c) 425 (d) 725
30. The salary of an employee increases consistently by 50% every year. If his salary today is Rs 10000, what will be the salary after another 4 years?
31. Rs 26500 (b) Rs 33750 (c) Rs 50625 (d) Rs 62500 (e) none
32. A television manufacturer earns 20% profit by selling each T.V. set for Rs 14400. If the production cost is increased by 15%, what should be the new selling price of a set so as to gain 15% ?
33. Rs 15870 (b) 15780 (c) 15750 (d) 16575
34. A manufacturer makes 800 articles at a cost of Rs 1.50 per article. He fixes the selling price such that if only 600 articles are sold, he would make a profit of 30% on his outlay. However, he sold 620 articles at this price. Find his actual profit percent of the total outlay, assuming that the unsold articles are useless.
35. (b) (c) (d)
36. A tradesman sold an article at a loss of 20%. If the selling price had been increased by Rs 100, there would have been a gain of 5%. What was the cost price of the article?
37. Rs 420 (b) Rs 400 (c) Rs 430 (d) Rs 450
38. Mr Kashyap purchased an airconditioner for Rs 12000 and sold it for Rs 15000. What was the profit percentage?
39. 15 (b) 20 (c) 25 (d) 35
40. The price of an article is first increased by 20% and later on decreased by 25% due to reduction in sales. Find the net percentage change in final price of the article.
41. 20% (b) 18 % (c) 38 % (d) none
42. Sanjay made a profit of 8% by selling a shirt after offering a discount of 12%. If the marked price of the shirt is Rs 1080, find its cost price.
43. 890 (b) 780 (c) 880 (d) 900
44. Srinivas sold an article for Rs 6800 and incurred a loss. Had he sold the article for Rs 7850, his gain would have been equal to half of the amount of loss that he incurred. At what price should he sell the article to have 20% profit?
45. Rs 7500 (b) Rs 9000 (c) Rs 10680 (d) Rs 9600
46. A manufacturer marked an article at Rs 50 and sold it allowing 20% discount. If his profit was 25%, then the cost price of the article was
47. Rs 30 (b) Rs 32 (c) Rs 35 (d) Rs 40
48. A trader marked his goods at 20% above the cost price. He sold half the stock at the marked price, one quarter at a discount of 20% on the marked price and the rest at a discount of 40% on the marked price. His total gain is

(a) 2% (b) 4.5% (c) 13.5% (d) 15%

1. Two-thirds of a consignment was sold at a profit of 6% and the rest at a loss of 3%. If however there was an overall profit of Rs 540, the value of consignment was
2. Rs 15000 (b) Rs 16000 (c) Rs 18000 (d) None of these
3. A movie was screened for 3 days – Monday, Tuesday and Wednesday. The respective ratio between the number of spectators on Monday. Tuesday and Wednesday was

and the price charged for three days was in the respective ratio . If the difference between the amount earned on Tuesday and Wednesday was Rs. 8800. What was the total amount earned in all three days?

1. 24800 (b) 27500 (c) 26400 (d) 22820
2. The monthly salaries of Pia and Som are in the ratio of . From her monthly salary, gives to her mother, 15% towards her sister’s tuition fees, 18% towards a loan and she shops with the remaining amount, which is ` 2100. What is the monthly salary of Som?
3. 25000 (b)30000 (c) 15000 (d) 24000
4. The present ages of a mother and her son are in the ratio . When the son becomes as old as his mother is now, then the ratio of his father’s age to that of his mother is . When the son becomes as old as his father is now, then the sum of his father’s age and his age will be 170 years. What is the father’s present age?

(a) 52 years (b) 60 years (c) 65 years (d) 70 years

1. The respective ratio between the monthly salaries of Rene and Som is . Out of her monthly salary Rene gives 1/6th as rent, 1/5th to her mother, 30% as her education loan and keeps 25% aside for miscellaneous expenditure. Remaining Rs 5000 she keeps as savings. What is Som’s monthly salary?

(a) Rs 21000 (b) Rs 24000 (c) Rs 27000 (d) Rs 36000

1. Railway fares of 1st, 2nd and 3rd classes between two stations were in the ratio of

. The fares of 1st and 2nd class were subsequently reduced by 1/6 and 1/12 respectively. If during a year the ratio between the passengers of 1st, 2nd and 3rd classes was and the total amount collected by the sale of tickets was Rs 1088, then find the collection from the passengers of 1st class.

(*a*) Rs 260 (*b*) Rs 280 (*c*) Rs 300 (*d*) Rs 320

1. The cost of a table and a chair are in the ratio of . If the cost of chair and table is increased by 20% and 10% respectively, then what will be the new ratio?

(a) (b) (c) (d) Data inadequate

(e) None of these

1. The falling height of an object is proportional to the square of the time. One object falls 64 cm in 2 sec then in 6 sec from how much height the object will fall ?

(a) 192 cm (b) 276 cm (c) 436 cm (d) 576 cm

1. A tank has two outlets A and B, which together take 6h to empty a full tank when they are opened simultaneously. The tank was initially half-full and both the outlets were opened. After an hour, an inlet pipe ‘X’ was also opened. If the inlet alone can fill an empty tank in 4h, how much time will it now take to fill the tank completely? (in hours)

(a) 8 (b) 7 (c) (d) 9

1. Two pipes A and B can fill a tank in 24h and 30 h respectively. If both the pipes are opened simultaneously in the empty tank, how much time will be taken by them to fill it?
2. 13h 20 min (*b*) 12h 10min (*c*) 14 h (*d*) 10h 5min
3. A leak in the bottom of a tank can empty the full tank in 8 hours. An inlet pipe fills water at the rate of 6 litres a minute. When the tank is full, the inlet is opened and due to the leak, the tank is empty in 12 hours. How many litres does the tank hold?

(a) 7580 (b) 7960 (c) 8290 (d) 8640

1. 16 men can finish a piece of work in 49 days. 14 men started working and in 8 days they could finish certain amount of work. If it is required to finish the remaining work in 24 days. How many more men should be added to the existing workforce?

(*a*) 21 (*b*) 28 (*c*) 16 (*d*) 14

1. 12 men can do a piece of work in 24 days. How many days are needed to complete the work, if 8 men do this work?

(*a*) 28 (*b*) 36 (*c*) 48 (*d*) 52

1. 40 men can complete a piece of work in 15 days. 20 more men join them after 5 days they start doing work. How many days will be required by them to finish the remaining work?

(*a*) days (*b*) days (*c*) days (*d*) days

1. A group of workers having equal efficiency can complete a job in 4 days. But it so happened that every alternate day starting from the second day, 3 workers are withdrawn from the job and every alternate day starting from the third day, 2 workers are added to the group. If it now takes 7 days to complete the job, find the number of workers who started the job.

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

1. *A*, *B* and *C* completed a work costing Rs 1800. A worked for 6 days, *B* for 4 days and *C* for 9 days. If their daily wages are in the ratio of , how much amount will be received by *A*? (*a*) Rs 600 (*b*) Rs 750 (*c*) Rs 800 (*d*) Rs 900
2. A can do a piece of work in 10 days; B in 15 days. They work for 5 days. The rest of the work was finished by C in 2 days. If they get Rs 1500 for the whole work, the daily wages of B and C are

(a) Rs 150 (b) Rs 225 (c) Rs 250 (d) Rs 300

1. A speed of 30.6 km/hr is the same as

(a) 5.1 m/sec (b) 8.5 m/sec (c) 110.16 m/sec (d) None of these

1. The ratio of the speeds of a car, a train and a bus is . The average speed of the car, the bus and the train is 72 km/hr. What is the average speed of the car and the train together? (a) 78 km/hr (b) 82 km/hr (c) 84 km/hr (d) Cannot be determined

(e) None of these

1. Amit starts from a point *A* and walks to another point *B* and then returns from B to A by his car and thus takes a total time of 6 hours and 45 minutes. If he had driven both ways in his car, he would have taken 2 hours less. How long would it take for him to walk both ways?

(*a*) 7 hours 45 minutes (*b*) 8 hours 15 minutes

(*c*) 8 hours 30 minutes (*d*) 8 hours 45 minutes

1. Two trains start from stations *A* and *B* and travel towards each other at a speed of 50 kmph and 60 kmph respectively. A the time of their meeting, the second train had travelled 120 km more than the first. The distance between *A* and *B* is
2. 600 km (*b*) 1320 km (*c*) 1440 km (*d*) 1660 km
3. A train started from station *A* and proceeded towards station *B* at a speed of 48 km/hr. Forty five minutes later another train started from station *B* and proceeded towards station a at 50 km/hr. If the distance between the two stations is 232 km, at what distance from station A will the trains meet?

(*a*) 108 km (*b*) 132 km (*c*) 144 km (*d*) None of these

1. A flight of Jet Airways from Delhi to Mumbai has an average speed of 700 km/hr without any stoppage, whereas a flight of Kingfisher from Delhi to Mumbai has an average speed of 560 km/hr with stoppage at Baroda. What is the average stoppage time per hour of Kingfisher flight if both the planes fly at the same speed?

(a) 8 min (b) 12 min (c) 16 min (d) 24 min

1. The speed of the boat in still water is 5 times that of the current, it takes 1.1 hours to row to point B form point A downstream. The distance between point A and point B is 13.2km. How much distance (in km) will it cover in 312 minutes upstream?

(a) 43.2 (b) 48 (c) 41.6 (d) 44.8

1. A boat goes 30 km upstream and 44 km downstream in 10 hours. In 13 hours, it can go 40 km upstream and 55 km downstream. The speed of the boat in still water is

(*a*) 3 km/hr (*b*) 4 km/hr (*c*) 8 km/hr (*d*) None of these

1. A man can swim in still water at a rate of 4 km/hr. The width of the river is 1 km. How long will he take to cross the river straight, if the speed of the current is 3 km/hr?

(*a*) 10 min (*b*) 15 min (*c*) 18 min (*d*) 20 min

1. A boat running upstream takes 8 hours 48 minutes to cover a certain distance, while it takes 4 hours to cover the same distance running downstream. What is the ratio between the speed of the boat and speed of the water current respectively ?

(*a*) 2 : 1 (*b*) 3 : 2 (*c*) 8 : 3 (*d*) Cannot be determined (*e*) None of these

1. A man sitting in a train is counting the pillars of electricity. The distance between two pillars is 60 metres, and the speed of the train is 42 km/hr. In 5 hours, how many pillars will he count? (*a*) 3501 (*b*) 3600 (*c*) 3800 (*d*) None of these
2. Train A travelling at 63 kmph can cross a platform 199.5 m long in 21 seconds. How much time would train A take to completely cross (from the moment they meet) train B, 157m long and travelling at 54 kmph in opposite direction which train A is travelling? (in seconds)

(a) 16 (b) 18 (c) 12 (d) 10

1. A train travelling at 48 kmph completely crosses another train having half its length and travelling in opposite direction at 42 kmph, in 12 seconds. It also passes a railway platform in 45 seconds. The length of the platform is

(*a*) 400 m (*b*) 450 m (*c*) 560 m (*d*) 600 m

1. Two trains, 130 and 110 metres long, are going in the same direction. The faster train takes one minute to pass the other completely. If they are moving in opposite directions, they pass each other completely in 3 seconds. Find the speed of the faster train.

(*a*) 38 m/sec (*b*) 42 m/sec (*c*) 46 m/sec (*d*) 50 m/sec

1. Two trains are running in opposite directions with the same speed. If the length of each train is 120 metres and they cross each other in 12 seconds, then the speed of each train (in km / hr) is

(*a*) 10 (*b*) 18 (*c*) 36 (*d*) 72

1. A train travelling with a constant speed crosses a 96-metre long platform in 12 seconds and another 141-metre long platform in 15 seconds. The length of the train and its speed are

(*a*) 84 metres and 54 km/hr (*b*) 64 metres and 44 km/hr

(*c*) 64 metres and 54 km/hr (*d*) 84 metres and 60 km/hr

1. A farmer borrowed Rs 3600 at 15% simple interest per annum. At the end of 4 years, he cleared this account by paying Rs 4000 and a cow. The cost of the cow is

(*a*)Rs 1000 (*b*) Rs 1200 (*c*) Rs 1550 (*d*) Rs 1760

1. Ramakant invested amounts in two different schemes A and B for five years in the ratio of

respectively. Scheme A offers 8% simple interest and bonus equal to 20% of the amount of interest earned in 5 years on maturity. Scheme B offers 9% simple interest. If the amount invested in scheme A was Rs 20000, what was the total amount received on maturity from both the schemes?

(*a*) Rs 50800 (*b*) Rs 51200 (*c*) Rs 52800 (*d*) Rs 58200 (*e*) None of these

1. Find the amount to be received after 2 years 6 months at the rate of 5% p.a. of simple interest on a sum of Rs 3200.

(*a*) Rs 3800 (*b*) Rs 3500 (*c*) Rs 3600 (*d*) Rs 3900

1. A man buys a TV priced at Rs 16000. He pays Rs 4000 at once and the rest after 15 months on which he is charged a simple interest at the rate of 12% per year. The total amount he pays for the TV is
2. Rs 18200 (*b*) Rs 17800 (*c*) Rs 17200 (*d*) Rs 16800
3. The difference between CI and SI on a certain sum of money for 3 years at 5% p.c.p.a. is ` 122. Find the sum invested.

(*a*) Rs 10000 (*b*) Rs 12000 (*c*) Rs 16000 (*d*) Rs 20000

1. Under the Rural Housing Scheme, the Delhi Development Authority (DDA) allotted a house to Kamal Raj for Rs 1,26,100. This payment is to be made in three equal annual instalments. If the money is reckoned at 5% per annum compound interest, then how much is to be paid by Kamal Raj in each instalment ?

(*a*) Rs 45205 (*b*) Rs 46305 (*c*) Rs 47405 (*d*) Rs 48505

1. A finance company declares that, at a certain compound interest rate, a sum of money deposited by anyone will become 8 times in 3 years. If the same amount is deposited at the same compound rate of interest, then in how many years will it become 16 times?
2. 4 years (*b*) 5 years (*c*) 6 years (*d*) 7 years
3. If the compound interest on a sum for 2 years at per annum is Rs 510, the simple interest on the same sum at the same rate for the same period of time is :

(*a*) Rs 400 (*b*) Rs 450 (*c*) Rs 460 (*d*) Rs 480

1. Of the two square fields, the area of one is 1 hectare while the other one is broader by 1%. The difference in their areas is
2. 100 (*b*) 101 (*c*) 200 (*d*) 201
3. The length and breadth of a square are increased by 40% and 30% respectively. The area of the resulting rectangle exceeds the area of the square by

(*a*) 35% (*b*) 42% (*c*) 62% (*d*) 82%

1. A piece of wire when bent to form a circle will have a radius of 84cm. if the wire is bent to form a square, the length of a side of the square is
2. 216 cm (*b*) 133 cm (*c*) 132 cm (*d*) 168 cm
3. A circular park, 42 m in diameter, has a path 3.5 m wide running around it on the outside. Find the cost of gravelling the path at Rs 4 per sq. m.

(*a*) Rs 2048 (*b*) Rs 1652 (*c*) Rs 1672 (*d*) Rs 2002

1. A rectangular paper of 44 cm long and 6 cm wide is rolled to form a cylinder of height equal to width of the paper. The radius of the base of the cylinder so rolled is

(*a)* 3.5 cm (*b)* 5 cm (*c)* 7 cm (*d)* 14 cm

1. If the radius of the base and height of a cylinder and cone are each equal to *r*, and the radius of a hemisphere is also equal to *r*, then the volumes of the cone, cylinder and hemisphere are in the ratio

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

1. In how many different ways can the letters of the word SOFTWARE be arranged in such a way that the vowels always come together?

(*a*) 120 (*b*) 360 (*c*) 1440 (*d*) 13440 (*e*) 4320

1. A committee of 5 members is to be formed out of 3 trainees, 4 professors and 6 research associates. In how many different ways can this be done if the committee should have 2 trainees and 3 research associates?

(*a*) 15 (*b*) 45 (*c*) 60 (*d*) 9 (*e*) None of these

1. In how many different ways can the letters of the word ‘TRANSPIRATION’ be arranged so that the vowels always come together?

(*a*) 2429500 (*b*) 1360800 (*c*) 1627800 (*d*) None of these

1. A bag contains 4 red balls, 6 blue balls and 8 pink balls. One ball is drawn at random and replace with pink balls. A probability that the first ball drawn was either red or blue in colour and the second ball drawn was pink in colour?

(*a*) (*b*) (*c*) (*d*) (*e*) None of these

|  |  |  |  |
| --- | --- | --- | --- |
| **Answer Keys: Numerical Ability** | | | |
| Question No | Answer | Question No | Answer |
| 1 | b | 51 | c |
| 2 | a | 52 | d |
| 3 | b | 53 | c |
| 4 | d | 54 | d |
| 5 | c | 55 | d |
| 6 | b | 56 | b |
| 7 | a | 57 | d |
| 8 | d | 58 | d |
| 9 | c | 59 | a |
| 10 | b | 60 | d |
| 11 | a | 61 | d |
| 12 | a | 62 | b |
| 13 | c | 63 | d |
| 14 | c | 64 | c |
| 15 | b | 65 | a |
| 16 | c | 66 | b |
| 17 | c | 67 | b |
| 18 | c | 68 | c |
| 19 | c | 69 | d |
| 20 | c | 70 | b |
| 21 | a | 71 | b |
| 22 | d | 72 | b |
| 23 | c | 73 | c |
| 24 | c | 74 | c |
| 25 | b | 75 | b |
| 26 | a | 76 | c |
| 27 | a | 77 | a |
| 28 | c | 78 | d |
| 29 | a | 79 | a |
| 30 | b | 80 | b |
| 31 | d | 81 | c |
| 32 | d | 82 | a |
| 33 | b | 83 | d |
| 34 | d | 84 | c |
| 35 | a | 85 | c |
| 36 | a | 86 | b |
| 37 | c | 87 | c |
| 38 | c | 88 | b |
| 39 | b | 89 | a |
| 40 | c | 90 | d |
| 41 | a | 91 | d |
| 42 | d | 92 | d |
| 43 | b | 93 | c |
| 44 | c | 94 | d |
| 45 | d | 95 | c |
| 46 | c | 96 | b |
| 47 | c | 97 | e |
| 48 | b | 98 | c |
| 49 | a | 99 | b |
| 50 | c | 100 | e |