Accenture mock-2

Q1. In an exam, a candidate secured 504 marks out of the maximum mark of M. If the maximum mark M is converted into 800 marks, he would have secured 384 marks. What is the value of M?

A. 750 B. 1200 C. 1125 D. 975 E. None of these

Q2. An order was placed for the supply of a carper whose length and breadth were in the ratio of 3 : 2. Subsequently, the dimensions of the carpet were altered such that its length and breadth were in the ratio 7 : 3 but were was no change in its parameter. Find the ratio of the areas of the carpets in both the cases.

A. 4 : 3 B. 8 : 7 C. 4 : 1 D. 6 : 5 E. None of these

Q3. A rectangular grass field is 75 m * 55 m, it has a path of 2.5 m wide all round it on the outside. Find the area of the path and the cost of constructing it at Rs.2 per sq m?

A. 675, Rs.1350 B. 575, Rs.1350 C. 1350, Rs.675 D. None

Q4. If 10% of x = 20% of y, then x:y is equal to:

A. 1:2 B. 2:1 C. 5:1 D. 10:1

Q5. $(27^2/4^{-3})^{-5/6}$ = ?

A. 1/1296 B. 1/46656 C. 1/7256 D. 1/7776 E. None of theses

Q6. Divide Rs. 1500 among A, B and C so that A receives 1/3 as much as B and C together and B receives 2/3 as A and C together. A's share is?

A. Rs.600 B. Rs.525 C. Rs.375 D. Rs.0

Q7. 3/7 of 4/9 of 2/5 of 7560 = $(?)^2$

A. 18 B. 22 C. 24 D. 26 E. 28

Q8. The ratio of the present ages of Giri and Hari is 5 : 8. 12 years hence, the ratio of their ages will be 11 : 14. Find the difference in their present ages?

A. 10 years B. 6 years C. 3 years D. 5 years E. None of these

Q9. A box contains 3 blue marbles, 4 red, 6 green marbles and 2 yellow marbles. If three marbles are picked at random, what is the probability that they are all blue?

A. 1/455 B. 2/455 C. 1/91 D. 4/455 E. None of these

Q10. 15 binders can bind 1400 books in 21 days. How many binders will be required to bind 1600 books in 20 days?

A. 14 B. 18 C. 24 D. 28 E. None of these

Q11. Find the quadratic equations whose roots are the reciprocals of the roots of $2x^2 + 5x + 3 = 0$?

A. $3x^2 + 5x - 2 = 0$ B. $3x^2 + 5x + 2 = 0$ C. $3x^2 - 5x + 2 = 0$ D. $3x^2 - 5x - 2 = 0$ E. None of these

Q12. A rectangular farm has to be fenced one long side, one short side and the diagonal. If the cost of fencing is Rs.10 per meter. The area of farm is 1200 m^2 and the short side is 30 m long. How much would the job cost?

A. Rs.700 B. Rs.1200 C. Rs.1400 D. Rs.1500

Q13. The sum of two numbers is 22. Five times one number is equal to 6 times the other. The bigger of the two numbers is:

A. 10 B. 12 C. 15 D. 16

Q14. Simple interest on a sum at 4% per annum for 2 years is Rs.80. The C.I. on the same sum for the same period is?

A. Rs.81.60 B. Rs.160 C. Rs.1081.60 D. Rs.99

Q15. A man walks at a speed of 3 km/hr and runs at a speed of 7 km/hr. How much time will the man require to cover a distance of $10\frac{1}{2}$ km, if he completes half of the distance, i.e., ($5\frac{1}{4}$) km on foot and the other half by running?

A. $1\frac{3}{4}$ hrs B. $2\frac{1}{4}$ hrs C. 2 hrs D. $3\frac{1}{2}$ hrs E. None of these

Q16. The ratio of the incomes of Chetan and Dinesh is 3 : 4. The ratio of their expenditures is 5 : 7. If each of them saves Rs. 200, find the incomes of both ?

A. Rs. 1500, Rs. 2000 B. Rs. 600, Rs. 800 C. Rs. 900, Rs. 1200

D. Rs. 1800, Rs.2400 E. None of these.

Q17. The sum of the two digits of a number is 10. If the number is subtracted from the number obtained by reversing its digits, the result is 54. Find the number?

A. 34 B. 28 C. 12 D. 17

Q18. The sum of the digits of a two-digit number is 12. The difference of the digits is 6. Find the number?

A. 93 B. 39 C. 75 D. 48 E. Either (a) or (b)

Q19. A person takes 20 minutes more to cover a certain distance by decreasing his speed by 20%. What is the time taken to cover the distance at his original speed?

A. 1 hour 30 minutes B. 1 hour 15 minutes C. 1 hour 20 minutes

D. 2 hours E. 1 hour 45 minutes

Q20. A train of 24 carriages, each of 60 meters length, when an engine also of 60 meters length is running at a speed of 60 kmph. In what time will the train cross a bridge 1.5 km long?

A. 1 ½ mins B. 3 mins C. 3 ½ mins D. 7 mins

Q21. Find the greatest number which leaves the same remainder when it divides 25, 57 and 105.

A. 18 B. 8 C. 12 D. 16 E. None of these

Q22. A car after covering ½ of a journey of 100 km develops engine trouble and later travels at ½ of its original speed. As a result, it arrives 2 hours late than its normal time. What is the normal speed of the car is?

A. 50 kmph B. 40 kmph C. 30 kmph D. 25 kmph

Q23. A property decreases in value every year at the rate of 6 1/4% of its value at the beginning of the year its value at the end of 3 years was Rs.21093. Find its value at the beginning of the first year?

A. Rs.25600.24 B. Rs.32000.50 C. Rs.18060.36 D. Rs.18600

Q24. 64 boys and 40 girls form a group for social work. During their membership drive, same number of boys and girls joined the group. How many members does the group have now, if the ratio of boys to girls is 4 : 3?

A. 150 B. 172 C. 136 D. 164 E. None of these

Q25. The bus fare for two persons for travelling between Agra and Aligarh id four-thirds the train fare between the same places for one person. The total fare paid by 6 persons travelling by bus and 8 persons travelling by train between the two places is Rs.1512. Find the train fare between the two places for one person?

A. Rs.126 B. Rs.132 C. Rs.120 D. Rs.114 E. None of these

Q26. A rope of which a calf is tied is increased from 12 m to 23 m, how much additional grassy ground shall it graze?

A. 1120 m^2 B. 1250 m^2 C. 1210 m^2 D. 1200 m^2

Q27. The ratio of the ages of Anil and his son at present is 7 : 3. Six years hence, the ratio of the ages of the Anil's wife and the son will be 2 : 1. Find the ratio of the present ages of Anil and his wife?

A. 6 : 5 B. 4 : 3 C. 5 : 4 D. Cannot be determined E. None of these

Q28. How many three letter words are formed using the letters of the word TIME?

A. 12 B. 20 C. 16 D. 24 E. 30

Q29. A delegation of 5 members has to be formed from 3 ladies and 5 gentlemen. In how many ways the delegation can be formed, if 2 particular ladies are always included in the delegation?

A. 20 B. 54 C. 42 D. 60 E. 40

Q30. A leak in the bottom of a tank can empty the full tank in 6 hours. An inlet pipe fills water at the rate of 4 liters per minute. When the tank is full in inlet is opened and due to the leak the tank is empties in 8 hours. The capacity of the tank is?

A. 5260 liters B. 5760 liters C. 5846 liters D. 6970 liters

Q31. Present ages of Sameer and Anand are in the ratio of 5:4 respectively. Three years hence, the ratio of their ages will become 11:9 respectively. What is Anand's present age in years?

A. 24 B. 27 C. 40 D. Cannot be determined E. None of these

Q32. (64 + 9 + 9) / (2 * 20 + 1) = ?

A. 1 B. $\frac{3}{2}$ C. 2 D. $\frac{5}{2}$ E. 3

Q33. A is thrice as efficient as B and is, therefore, able to finish a piece of work 10 days earlier than B. In how many days A and B will finish it together?

A. $3\frac{1}{2}$ days B. $3\frac{4}{5}$ days C. 3 days D. 5 days

Q34. Find the one which does not belong to that group ?

A. 30 B. 27 C. 36 D. 45 E. 72

Q35. Robert is traveling on his cycle and has calculated to reach point A at 2 p.m. if he travels at 10 km/hr; he will reach there at 12 noon if he travels at 15 km/hr. At what speed must he travel to reach A at 1 p.m.?

A. 8 kmph B. 11 kmph C. 12 kmph D. 14 kmph

Q36. Roja and Pooja start moving in the opposite directions from a pole. They are moving at the speeds of 2 km/hr and 3 km/hr respectively. After 4 hours what will be the distance between them?

A. 12 km B. 20 km C. 24 km D. 4 km E. None of these

Q37. 5 * 5 Ã· 5 + 5 Ã· 5 = ?

A. 3 B. 2 C. 4 D. 6 E. 9

Q38. A train sets off at 2 p.m. at the speed of 70 kmph. Another train starts at 3:30 p.m. in the same direction at the rate of 85 kmph. At what time the trains will meet?

A. 9.30 p.m. B. 8.30 p.m. C. 10.30 p.m. D. 10.45 p.m.

Q39. If a and b are the roots of the equation $x^2 - 9x + 20 = 0$, find the value of $a^2 + b^2 + ab$?

A. -21 B. 1 C. 61 D. 21 E. None of these

Q40. Two men and three women working 7 hours a day finish a work in 5 days. Four men and four women working 3 hours a day complete the work in 7 days. The number of days in which only 7 men working 4 hours a day will finish the work is?

A. 5 days B. 6 days C. 7 days D. 10 days

Answer keys

1	E	9	A	17	B	25	A	33	D
2	B	10	B	18	E	26	C	34	A
3	A	11	B	19	C	27	D	35	C
4	B	12	B	20	B	28	D	36	B
5	D	13	B	21	D	29	A	37	D
6	C	14	A	22	D	30	B	38	C
7	C	15	E	23	A	31	A	39	C
8	B	16	E	24	E	32	C	40	A