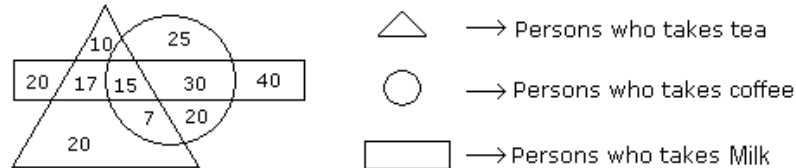


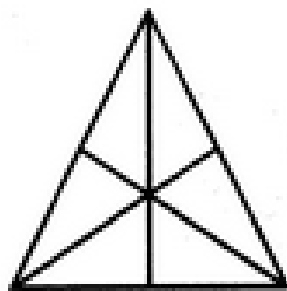
7. Find the lowest common multiple of 24, 36 and 40.
 (a) 120 (b) 240 (c) 360 (d) 480
8. Find the average of first 10 multiples of 8?
 (a) 90 (b) 44 (c) 88 (d) 45

Study the diagram given below and answer each of the following questions from 9 to 13.



9. How many persons who take tea and milk but not coffee?
 (a) 10 (b) 17 (c) 20 (d) 40
10. How many persons are there who take both tea and coffee but not milk?
 (a) 7 (b) 25 (c) 10 (d) 15
11. How many persons take milk?
 (a) 97 (b) 69 (c) 122 (d) 62
12. How many persons are there who takes only coffee?
 (a) 25 (b) 45 (c) 20 (d) 30
13. How many persons take all the three?
 (a) 17 (b) 15 (c) 30 (d) 7
14. The sum of the present ages of a father and his son is 60 years. Six years ago, father's age was five times the age of the son. After 6 years, son's age will be.
 (a) 12 Years (b) 14 Years (c) 18 Years (d) 20 Years
15. At present, the ratio between the ages of Arun and Deepak is 4 : 3. After 6 years, Arun's age will be 26 years. What is the age of Deepak at present?
 (a) 12 Years (b) 15 Years (c) 19 and half Years (d) 21 Years
16. The average of five numbers is 27. If one number is excluded, the average becomes 25. What is the excluded number?
 (a) 30 (b) 40 (c) 32.5 (d) 35

17. The average of 13 results is 40 and that of first six is 30 and last six is 34. Find the value of 7th number.
 (a) 132 (b) 130 (c) 134 (d) 136
18. The average monthly income of A and B is Rs. 5050. The average monthly income of B and C is Rs. 6250 and the average monthly income of A and C is Rs. 5200. What is the monthly income of A?
 (a) 2000 (b) 3000 (c) 4000 (d) 5000
19. The present ages of three persons in proportions 4 : 7 : 9. Eight years ago, the sum of their ages was 56. Find their present ages (in years).
 (a) 8, 20, 28 (b) 16, 28, 36 (c) 20, 35, 45 (d) None of these
20. Find out the alternative which will replace the question mark MXN: $13 \times 14 :: \text{FXR} : ?$
 (a) 14×15 (b) 5×17 (c) 6×18 (d) 7×19
21. If $0.75 : X :: 5 : 8$, then x is equal to
 (a) 1.12 (b) 1.2 (c) 1.25 (d) 1.3
22. Simplify: $12 \times 7 - 18 \div 2 + 6$
 (a) 39 (b) $66/8$ (c) 16 (d) 81
23. Find the next number 2, 10, 30, 68, -----
 (a) 90 (b) 125 (c) 120 (d) 130
24. Find the Missing number in the sequence 1, 2, 6, 15, ----, 56, 92.
 (a) 31 (b) 47 (c) 36 (d) 45
25. If PALE is coded as 2134, EARTH is coded as 41590, how can PEARL be coded in that language?
 (a) 25430 (b) 29530 (c) 25413 (d) 24153
26. Find the number of triangles in the given figure.
 (a) 13 (b) 9 (c) 7 (d) 16

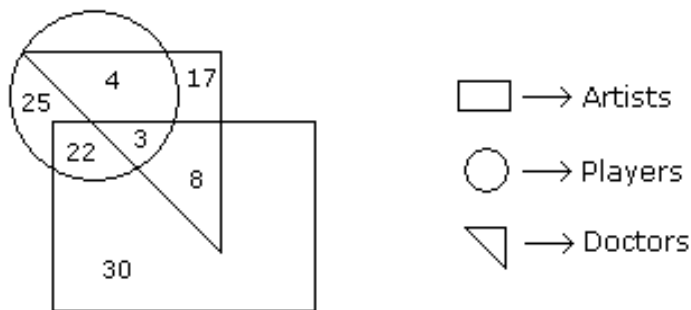


27. Find the average of all prime numbers between 30 and 50?
 (a) 39.8 (b) 38 (c) 32 (d) 199
28. Two numbers A and B are such that the sum of 5% of A and 4% of B is two-third of the sum of 6% of A and 8% of B. Find the ratio of A : B.
 (a) 2 : 1 (b) 1 : 2 (c) 1 : 1 (d) 4 : 3
29. A and B together can complete a piece of work in 4 days. If A alone can complete the same work in 12 days, in how many days can B alone complete that work?
 (a) 5 (b) 6 (c) 4 (d) 10
30. A does a work in 10 days and B does the same work in 15 days. In how many days they together will do the same work?
 (a) 8 (b) 5 (c) 6 (d) 9
31. What percent of a day is 6 hours?
 (a) 6.25% (b) 20% (c) 25% (d) 12.5%
32. Raman's salary was decreased by 50% and subsequently increased by 50%. How much percent does he lose?
 (a) 25% (b) 20% (c) 1% (d) 75%
33. Today is Monday. After 61 days, it will be
 (a) Wednesday (b) Saturday (c) Tuesday (d) Thursday
34. How many days are there in x weeks x days?
 (a) $7x^2$ (b) $8x$ (c) $14x$ (d) 7
35. Which of the following is not a leap year?
 (a) 700 (b) 800 (c) 1200 (d) 2000
36. $\frac{348 \times 348 \times 348 + 112 \times 112 \times 112}{348 \times 348 - 348 \times 112 + 112 \times 112} = ?$
 (a) 236 (b) 460 (c) 472 (d) 230
37. If 10 workers can make 10 tables in 10 days, then how many days would it take for 5 workers to make 5 tables?
 (a) 1 (b) 5 (c) 10 (d) 25
38. A man walks 5 km towards south and then turns to the right. After walking 3 km he turns to the left and walks 5 km. Now in which direction is he from the starting place?
 (a) West (b) South (c) North-East (d) South-West

39. Rasik walked 20 m towards north. Then he turned right and walks 30 m. Then he turns right and walks 35 m. Then he turns left and walks 15 m. Finally he turns left and walks 15 m. In which direction and how many metres is he from the starting position?
 (a) 15m West (b) 30m East (c) 30m West (d) 45m East
40. Reena walked from A to B in the East 10 feet. Then she turned to the right and walked 3 feet. Again she turned to the right and walked 14 feet. How far is she from A?
 (a) 4 feet (b) 5 feet (c) 24 feet (d) 27 feet
41. Which one of the following is not a prime number?
 (a) 31 (b) 61 (c) 71 (d) 91
42. $\frac{(489 + 375)^2 - (489 - 375)^2}{489 \times 375} = ?$
 (a) 144 (b) 864 (c) 2 (d) 4
43. $8597 - ? = 7429 - 4358$
 (a) 5426 (b) 5526 (c) 5706 (d) 5476
44. If $A = x\%$ of y and $B = y\%$ of x , then which of the following is true?
 (a) A is smaller than B. (b) A is greater than B
 (c) If x is smaller than y , then A is greater than B (d) none of these
45. If 20% of $a = b$, then $b\%$ of 20 is the same as:
 (a) 4% of a (b) 5% of a (c) 20% of a (d) None of these
46. Alfred buys an old scooter for Rs. 4700 and spends Rs. 800 on its repairs. If he sells the scooter for Rs. 5800, his gain percent is
 (a) $4\frac{4}{7}\%$ (b) $5\frac{5}{11}\%$ (c) 10% (d) 12%
47. On selling 17 balls at Rs. 720, there is a loss equal to the cost price of 5 balls. The cost price of a ball is
 (a) Rs. 45 (b) Rs. 50 (c) Rs. 55 (d) Rs. 60
48. 100 oranges are bought at the rate of Rs. 350 and sold at the rate of Rs. 48 per dozen. The percentage of profit or loss is:
 (a) $14\frac{2}{7}\%$ gain (b) 15% gain (c) $14\frac{2}{7}\%$ loss (d) 15% loss

49. A card is drawn from a pack of 52 cards. The probability of getting a queen of club or a king of heart is:
 (a) $1/13$ (b) $2/13$ (c) $1/26$ (d) $1/52$
50. A bag contains 6 black and 8 white balls. One ball is drawn at random. What is the probability that the ball drawn is white?
 (a) $3/4$ (b) $4/7$ (c) $1/8$ (d) $3/7$
51. In a box, there are 8 red, 7 blue and 6 green balls. One ball is picked up randomly. What is the probability that it is neither Red nor green?
 (a) $1/3$ (b) $3/4$ (c) $7/19$ (d) $8/21$
52. Tickets numbered 1 to 20 are mixed up and then a ticket is drawn at random. What is the probability that the ticket drawn has a number which is a multiple of 3 or 5?
 (a) $1/2$ (b) $2/5$ (c) $8/15$ (d) $9/20$

Study the following figure and answer the each of the following questions from 53 to 57.

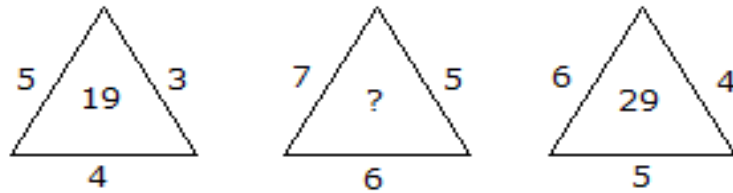


53. How many doctors are neither artists nor players?
 (a) 17 (b) 5 (c) 10 (d) 30
54. How many doctors are both players and artists?
 (a) 22 (b) 8 (c) 3 (d) 30
55. How many artists are players?
 (a) 5 (b) 8 (c) 25 (d) 16
56. How many players are neither artists nor doctors?
 (a) 25 (b) 17 (c) 5 (d) 10
57. How many artists are neither players nor doctors?
 (a) 10 (b) 30 (c) 17 (d) 15
58. 'College' is related to 'Teachers' in the same way as 'Hospital' is related to
 (a) Doctors (b) Patients (c) Medicine (d) Beds

59. Choose the pair in which the words are differently related from the rest.

- (a) Car : Road (b) Ship : Sea (c) Rocket : Space (d) Aeroplane : Pilot

60. Which one will replace the question mark?



- (a) 25 (b) 37 (c) 41 (d) 47

61. The average weight of A, B and C is 45 kg. If the average weight of A and B be 40 kg and that of B and C be 43 kg, then the weight of B is

- (a) 17 kg (b) 20 kg (c) 26 kg (d) 31kg

62. The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 kg. Find the average weights of all the boys in the class

- (a) 47.55 kg (b) 48 kg (c) 48.55 kg (d) 49.25 kg

63. ELFA, GLHA, ILJA, _____, MLNA

- (a) OLPA (b) KLMA (c) LLMA (d) KLLA

64. Find the missing number in the series: 5, 10, 13, 26, 29, 58, 61,

- (a) 122 (b) 64 (c) 125 (d) 128

65. Find the number of squares in the 8x8 Chess Board?

- (a) 64 (b) 128 (c) 256 (d) 204

66. List of the business or subjects to be considered at a meeting

- (a) Schedule (b) Timetable (c) Agenda (d) Plan

67. A and B can do a work in 8 days, B and C can do the same work in 12 days. A, B and C together can finish it in 6 days. A and C together will do it in

- (a) 4 days (b) 6 days (c) 8 days (d) 12 days

68. A person crosses a 1200 m long street in 8 minutes. What is his speed in km per hour?

- (a) 2.5 (b) 9 (c) 150 (d) 540

69. A train running at the speed of 60 km/hr crosses a pole in 9 seconds. What is the length of the train?

- (a) 120 metres (b) 180 metres (c) 324 metres (d) 150 metres

70. The fourth proportional to 5: 8 = 15: X is
(a) 18 (b) 24 (c) 19 (d) 20

Study the given Details below and answer each of the following questions from 71 to 74.

- Five girls are sitting on a bench to be photographed.
- Seema is to the left of Rani and to the right of Bindu.
- Mary is to the right of Rani.
- Reeta is between Rani and Mary.

71. Who is sitting immediate right to Reeta?
(a) Bindu (b) Rani (c) Mary (d) Seema
72. Who is in the middle of the photograph?
(a) Bindu (b) Rani (c) Reeta (d) Seema
73. Who is second from the right ?
(a) Mary (b) Rani (c) Reeta (d) Bindu
74. Who is second from the left in photograph ?
(a) Reeta (b) Mary (c) Bindu (d) Seema
75. The compound interest on Rs. 30,000 at 7% per annum is Rs. 4347. The period (in years) is:
(a) 2 (b) $2\frac{1}{2}$ (c) 3 (d) 4
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