GAT-A Business and Engineering Quantitative

Sr	Questions	Answers Choice
1	If $20x + 20y = 70$, what is the average of x and y ?	A. 7/2 B. 7 C. 7/4 D. 4/7
2	What is the average of 3^{10} , 3^{20} and 3^{30} ?	A. 3^{59} B. $3^9 + 3^{19} + 3^{29}$ C. 3^{57} D. $3^{11} + 3^{21} + 3^{31}$
3	If the average of 3,5, 10 and S is 6, what is the value of S ?	A. 4 B. 6 C. 12 D. 0
4	If $a + b = 8$, $b + c = 9$, and $c + a = 11$, what is the average of a, b and c ?	A. 14/3 B. 28/3 C. 14/6 D. 7/3
5	Asim had an average of 60 on his first four math tests. After taking the next test, his average dropped to 58. Find his recent test grade.	A. 40 B. 50 C. 48 D. 32
6	A worker is paid R rupees per hours for the first 8 hours daily. For every hour after the first 8 hours, she is paid S rupees per hour. If she works 12 hours in one day, what is her average hourly for the day ?	A. 8R + S B. 8R + 4S/4 C. 12R - 8S/4 D. 2R + S/3
7	If the mean (average) of 6 numbers is 4.5. What is the sum of the numbers ?	A. 0.75 B. 10.5 C. 12 D. 27
8	The average number of goals a team has scored in 7 matches is 8. They averaged 10 goals for the first 3 matches and they scored 5 goals in each of the next tow matches. What is the average score of the last two matches ?	A. 5 goals B. 4 goals C. 6 goals D. 8 goals
9	8 students in a class obtained 60%, 3 obtained 75%, 2 obtained 80% and 7 obtained 45% in a class test. What is the average marks ?	A. 49% B. 59% C. 29% D. 51%
10	Which of the following is the average of x^2 - 16, 39 - x^2 and $3x + 10$?	A. x + 3 B. $2x$ + 13 C. x + 11 D. x + 11/3
11	The average of five numbers is 54. If three of the numbers are 26, 28 and 30, what is the average of the other two ?	A. 91 B. 93 C. 54 D. 186
12	What is the average of x, y and z ? If $x + y = 5$, $y + z = 8$ and $x + z = 11$.	A. 11/3 B. 1/2 C. 13/5 D. 4
13	What is the average of first hundred natural numbers ?	A. 50 B. 50.5 C. 49.5 D. 100
14	The average of even integers from 2 to 100 inclusive is:	A. 49 B. 52 C. 51 D. 50
	One pot is obtained from mixing yellow paint to the ratio 3 : 5. How much of each	A. Blue paint 15 litres, yellow paint : 25 litres B. Blue paint: 25 litres, yellow paint:

15	Green paint is obtained from blue and yellow paint in the ratio 3 : 5. How much of each colour is needed to make 40 litres of this green paint ?	15 litres C. Blue paint: 10 litres, yellow paint: 30 litres D. Blue paint: 13 litres, yellow paint: 27 litres
16	A recipe requires 13 gram of sugar and 18 gram of flour. If only 100 gram of sugar is used, how much flour, to the nearest gram, should be used ?	A. 16 B. 13 C. 14 D. 17
17	If the ratio of boys and girls in a class is 3 : 5 and the class contains 24 students, how many additional boys would have to enroll to make the ratio of boys to girls 1 : 1 ?	A. 9 B. 15 C. 6 D. 12
18	If the ratio of a : b is 9 : 7 then a + b is:	A. 14 B. 16 C. 63 D. not possible
19	If a jet travels 1280 km in 2 hours, how far will it travel in 5 1/2 hours, at the same speed ?	A. 2100 B. 3300 C. 2700 D. 3520
20	If 15 workers can paint a certain number of houses in 24 days, how many days will 40 workers take, working at the same rate, to do the same job ?	A. 12 days B. 18 days C. 15 days D. 9 days
21	Win/Loss ratio for two teams are A,5 : 2 and B, 7 : 3 which team has the better record ?	A. A B. B C. both A and B D. wrong question
22	What is the ratio of the circumference of a circle to its radius ?	A. π B. π/2 C. 2πr D. 2π
23	If 80 % application to a program were rejected, what is the ratio of the number accepted to the number rejected ?	A. 1 : 4 B. 4 : 1 C. 1 : 8 D. 3 : 8
24	If the ratio of x and y is 11/3, what is the value of 2x to y ?	A. 11/6 B. 22/6 C. 22/3 D. 11/5
25	A machine produces 1280 parts in 16 hours. How many parts would it make in a working week of 44 hours ?	A. 2530 B. 3520 C. 2122 D. 3960
26	Three business partners shares have profit of Rs. 24000 in the ratio 5 : 4 : 3. What is the amount of the least share ?	A. 6000 B. 8000 C. 10,000 D. 1200
27	Concrete consists of cement, sand and screenings in the ratio of 1 : 5 : 4, what is the percentage of the sand mixed ?	A. 10% B. 40% C. 50% D. 60%
28	In a city 90% of the population own a car, 15% own a motorcycle, and everybody owns one or the other or both. What is the percentage of motorcycle owners to who own cars ?	A. 15% B. 5% C. 75% D. 33 1/3%
29	Jafer drew a square. He then erased it and drew a second square whose sides were 3 times the sides of the first square. By what percent was the area of the square increased ?	A. 300% B. 800% C. 400% D. 200%
30	In a school of 820 students, 55% are boys. The number of girls and the number of boys are:	A. 369 boys, 451 girls B. 281 boys, 539 girls C. 539 boys, 281 girls D. 451 boys, 369 girls