GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	The tanneries claim that chemical waste dumps pose no threat to people living near them. If this is true, then why do they locate the plants in sparsely populated regions? By not locating the chemical dumps in densely populated areas the tanneries tacitly admits that these chemicals are potentially dangerous to the people living nearby. Q:Which of the following, if true, would most weaken the author's argument?	A. Funding through the environmental Super Fund to clean up poorly run waste dumps is reserved for rural areas only B. Until chemical dumps are proven 100% safe, it would be imprudent to locate them were they could potentially do the most harm. C. Locating the dumps in sparsely populated areas is less expensive and involves less government red tape D. The potential for chemicals to leach into the water table has in the past been underestimated E. People in cities are more likely to site the industry if their health is harmed by the drumps
2	An instructor having 9224 students under him, arranges them into a square and finds 8 students to be excess. What is the number of students in the front row?	A. 97 B. 88 C. 104 D. 96
3	Direction:In the following type of question,each consists of two quantities,one in column A and one in column B.You must compare two quantities and on the answer sheet fill in. A.If the quantity in column A is greater. B.If the quantity in column B is greater. C.If the two quantities are equal. D.If the relationship cannot be determined from the information given. Notes:Sometimes,in certain question,information concerning one or both the quantities to be compared is centered above the two columns.A symbol that in both columns represents the same thing in column A as it does in column B. **Column A** x **Column B** y x and y are positive 1/x = 1 + 1/y	A. A B. B C. C D. D
4	Question Image	A. 89 B. 90.9 C. 89.9 D. 105
5	A neon sign flashes every 3 seconds, another sign flashes every 5 seconds, and a third flashes every 7 seconds. If they all flash together, how many seconds will pas before they all flash simultaneously again?	A. 15 seconds B. 35 seconds C. 105 seconds D. 21 seconds
6	A solid metal cube of side 5 inches is placed in a rectangular tank whose length, breadth and height are 5, 6 and 7 inches, respectively. What is the volume in cubic units, of water that the tank can now held ?	A. 210 cubic inches B. 85 cubic inches C. 125 cubic inches D. 216 cubic inches
7	A recent survey in country X found that more VCRs than videOtapes were purchased by its citizens last year The best interpretation of this finding is that the practice of illegally duplicating commercial videotapes is widespread. Q:Which of the following, if true, would cast doubt onthe conclusion above:	A. Very few VCR owners in country X have their own videotapes B. There are few free noncommercial videotapes available in country X C. The government of country X regularly copies and distributes material it considers to be classic content videotape free of charge, and to which the country owns copying and distribution rights D. The typical country X VCR does

8	What percent of 75 is x ?	A. 3/4 - x B. 4/3 x C. 4x D. 3x

9	If the length of a rectangle is 4 times its width, and if its area is 196, what is its perimeter ?	A. 60 B. 28 C. 35 D. 70

10	What is the area of the parallelogram ABCD ?	A. 24 B. 21 C. 29 D. 28

11	If 1/2 x + 1/4 x + 1/8 x = 22, what is the value of x ?	A. 88 B. 44 C. 1 D. 24

12	If $5x > 2$ and $12/2\ x \le 4$, list all the possible integral values of x ?	A. 2, 3, 4, 5, 6 B. 1, 2, 3, 4, 5, 6, 7, 8 C. 2, 3 D. 1

13	If $p^2 - q^2 = 48$ and $p - q = 12$, what is the average of p and q ?	A. 4 B. 6 C. 2 D. 12

14	3/8 of a number is 10. What is the number ?	A. 91 B. 81 C. 23 D. 27

15	Question Image	A. 100° B. 60° C. 80° D. 40°

16	Direction:In the following type of question,each consists of two quantities,one in column A and one in column B.You must compare two quantities and on the answer sheet fill in. A.If the quantity in column A is greater. B.If the quantity in column B is greater. C.If the two quantities are equal. D.If the relationship cannot be determined from the information given. Notes:Sometimes,in certain question,information concerning one or both the quantities to be compared is centered above the two columns.A symbol that in both columns represents the same thing in column A as it does in column B. **Column A** ac **Column B** Bc Abc = 0 a > b	A. A B. B C. C D. D

17	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

18	When 42 is added to twice a number, the result is 346, the number is:	A. 304 B. 242 C. 152 D. 265

Direction:In the following type of question,each consists of two quantities,one in column A and one in column B.You must compare two quantities and on the answer sheet fill in.

A.If the quantity in column A is greater.
B.If the quantity in column B is greater.
C.If the two quantities are equal.
D.If the relationship cannot be determined from the information given.

19

Notes:Sometimes,in certain question,information concerning one or both the quantities to be compared is centered above the two columns.A symbol that in both columns represents the same thing in column A as it does in column B.

Column A
$6\sqrt{24}$
Column B
$12\sqrt{6}$

Direction:In the following type of question,each consists of two quantities,one in column A and one in column B.You must compare two quantities and on the answer sheet fill in.

A.If the quantity in column A is greater.
B.If the quantity in column B is greater.
C.If the two quantities are equal.
D.If the relationship cannot be determined from the information given.

20

Notes:Sometimes,in certain question,information concerning one or both the quantities to be compared is centered above the two columns.A symbol that in both columns represents the same thing in column A as it does in column B.

Column A
$3\sqrt{5} - \sqrt{125} + \sqrt{20}$
Column B
0