GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	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** 5 1/x = 5	A. A B. B C. C D. D
2	There is clear evidence that the mandated vaccination to children under age four has resulted in fewer child fatalities over the past five years. Compared to the five-year period prior to the passage of laws requiring the vaccination, fatalities of children under age four have decreased by 30 percent. Q:Which one of the following, it true, most substantially strengthens the argument above?	A. The fatality rate for other age groups has remained steady over the past five years B. Air pollution has been increased over the period of past five years C. Government has implemented a malaria control campaign last year D. Health conditions in the country are better than has been previously
3	A rectangular is 16 cm long and 10 cm wide.If the length is reduced by k cm and its width is increased also by k cm so as to make it a square then its area changes by:	A. 169 B. 256 C. 100 D. 9 E. None of the above
4	Find the arithmetic mean of 25.2, 13.5, 18.5, and 34.8	A. 13 B. 23 C. 27 D. 5
5	The cost of manufacturing sports shoes in Macao is 25% less than the cost of manufacturing them in the Philippines. Even after transportation fees and tariff charges are added, it is still cheaper for a company to import sport shoes from Macao to the Philippines than to manufacture sports shoes in the Philippines. Q:The statements above, if true, best support which of the following assertions?	A. Labor costs in Macao are 25% below those in the Philippines B. Importing sports shoes from Macao to the Philippines will eliminate 25% of the manufacturing jobs in the Philippines C. The tariff on sports shoes imported from Macao to the Philippines is less than 25% of the cost of manufacturing sports shoes in the Philippines D. The fee for transporting a pair of sports shoes fromMacao to the Philippines is more than 25% of cost of manufacturing the shoes in Macao
6	What is the smallest number which when subtracted form 1.00060219 gives a perfect square number ?	A. 0.00210 B. 210 C. 0.00000210 D. 0.210
7	Question Image	A. 100° B. 60° C. 80° D. 40°
8	A and B do a job together in two hours.Working alone A does the job in 5 hours.How long will it take B to do the job alone?	A. 2 hrs B. 3 hrs C. 1 hrs

#	Question	Options
9	If 6 - a > 7, then	A. a > 1 B. a > -1 C. a < -1 D. a < 1
10	The area of the sector which contains an angle of 60° of circle of radius 7 cm, is:	A. 25 2/3 cm^2 B. 27 2/3 cm^2 C. 41 cm^2 D. √3 5/28 cm^2
11	The length of a rectangle is 3 more than the side of a square, and the width of the rectangle is 3 less than the side of the square. If the area of the square is 58, what is the area of the rectangle ?	A. 40 B. 20 C. 39 D. 49
12	Traveling by cars is safer than traveling by planes. Eighty percent of plane accidents result in death of all passengers, while only one percent of car accidents result in death. Q:Which of the following, if true, would most seriously weaken the argument above?	A. Planes are inspected by experienced engineers before flying B. The number of car accidents is several thousand times higher than the number of plane accidents C. Pilots are more trained than car drivers are D. Speed of car is lesser than that of plans nj
13	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}
14	For how many integer values of g is 6<3g<12?	A. Four B. Three C. Two D. One
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16	What is the area of the triangle *AEC*, in the above figure 1 ?	A. 12 B. 49 C. 14 D. 21
17	Stock analyst: "We believe Company A's stock will appreciate at 35% a year for the next 5 to 7 years. Company A just became the leader in its industry and we expect its sales to grow at 8% a year." Commentator: "But how can the stock's price be expected to grow more quickly than the company's underlying sales?" Q:Which of the following, if true, would best support the stock analyst's prediction?	A. The company's expenses will be declining over the next 5 to 10 years B. The company just won a patent on a new product C. The 5 to 7 year time frame is too long for anyone to accurately forecast D. Company A's industry peer group is expected to experience stock appreciation rates of 30% over the same time horizon
18	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.	A. A B. B

18

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Column A
The average (arithmetic mean) of x,y,z and 39
Column B
40

C. C
D. D

19

A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days?

A. 576/x
B. 48/5x
C. 24/x
D. 576/5x

20

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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.

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Column A
The average (arithmetic mean) of 2x and 2y
Column B
180°

A. A
B. B
C. C
D. D