GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	If the sum of one third of a number and twice the same number is 28, the number is:	A. 10 B. 12 C. 28 D. 14
2	Question Image	A. 4 B. 4.5 C. 6 D. 1.5
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** 0 **Column B** p 1/p < 1	A. A B. B C. C D. D
4	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
5	How many polythene bags, each holding 8 ounces, are needed to hold 3 quarter of vegetable oil?	A. 8 B. 12 C. 14 D. 16
6	If length of a rectangular field is twice that of its width. What is the perimeter of the field if its area is 1152 m^2 ?	A. 256 m B. 144 m C. 24 m D. 96 m
7	6/6 × 6/12 × 6/18 × 6/24 × 6/30 equals:	A. 1/120 B. 1/2 C. 1/30 D. 1 E. None of these
8	Shockwave lithotripsy can be used to remove painful kidney stones. In contrast to surgery - the invasive procedure customarily used, extracorpreal shockwave lithotripsy poses little risk to patients. Thus, to guarantee patient safety in the attempt treat kidney stones, extracorpreal shockwave lithotripsy should replace kidney stone surgery in all cases. Q:Which of the following, if true, would most support the recommendation above?	A. Kidney surgery can be used to treat other ailments of the kidneys other than kidney stones. B. Extracorpreal shockwave lithotripsy was designed primarily in order to diagnose kidney stones. C. Kidney surgery can reveal more information about the cause of a stone than an extracorpreal shockwave lithotripsy can. D. An extracorpreal shockwave lithotripsy is just as likely as kidney surgery to successfully remove a kidney stone
		A. Many new motorcycles are built with safety features that made them less likely to be involved in an

9	Opponents of laws that require motorcycle riders to wear helmets argue that in a free society people have the rights to take risks as long as the people do not harm others as a result of taking the risks. As a result, they conclude that it should be each person's decision whether or not to wear a helmet. Q:Which of the following, if true, seriously weakens the conclusion drawn above?	accident B. Motorcycle insurance rates for all motorcycle owners are higher because of the need to pay for the increased injuries or deaths of people not wearing helmets C. Participants in certain extreme sports are required to wear helmets D. The rate of automobile fatalities in states that do not have mandatory helmet laws is greater than the rate of fatalities in states that do have such laws
10	Question Image	A. Volume of the cube is less than the volume of the box B. Volume of the cube is greater than the volume of box C. Volume of the cube is equal to the volume of box D. The surface area of both cube and box are equal
11	It takes Riaz 30 minutes to mark a paper. Razi only need 25 minutes to mark a paper. If they both start marking papers at 11:00 A.M, what is the first time they will finish marking a paper at the same time?	A. 12:30 B. 12:45 C. 1:30 D. 12:25
12	Question Image	A. 2 + √2 B. 4 + √2 C. 4(1 + √2) D. 16(1 + √2)
13	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** The average (arithmetic mean) of -3,1,and 3 **Column B** The average (arithmetic mean) of -3,2, and 3	A. A B. B C. C D. D
14	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
15	If a + b > 7 and a - b > 5, then which of the following gives all possible values of a and only possible value of a ?	A. a > 6 B. a < 5 C. a > 4 D. a < 7
16	If #n = $(n-5)^2$+ 5, then find #3 x #5.	A. 50 B. 55 C. 30 D. 40 E. 45
17	Which of the following is the average of x^2 - 16, 39 - x^2 and $3x + 10$?	A. <i>x</i> + 3 B. 2<i>x</i> + 13 C. <i>x</i> + 11 D. <i>x</i> + 11/3
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. 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	A. A B. B C. C D. D

columns represents the same thing in column A as it does in column B.

Column A
3/2√6
Column B
√6/4

---

19 The value of $(5x + 6)(x + 12) - (5x - 6)(x + 3)$ is:

A. $2(5x^2 + 9x)$
B. 14
C. 4
D. 22

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.

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

Column A
x
Column B
$(11/13)^5$

$x^5 = 11/13$