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** 5 ▽ 4 **Column B** 1/2 ▽ 2/5 x ▽ y = x/y + y/x	A. A B. B C. C D. D
2	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
3	The smallest member of set W is:	A. 0 B. 1 C. 2 D. 3
4	In inequality y > 3x - 2 if a > b, then which of the following statement is true ?	A. x = 1 B. x > 1 C. x < 1 D. x ≥ 1
5	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
6	A famous painter has recently won a lawsuit against a major food manufacturer for commissioning a graphic designer to design the packaging of its chocolate chip cookies in the painter's distinctive style. As a result of the lawsuit, manufacturers will stop asking graphic artists to copy distinctive painting styles. Therefore, the cost of package design will rise because employing the services of known artists cost more than those of graphic designer that imitate their style. Q:The conclusion above is based on which of the following assumptions?	A. Most people are unable to distinguish a famous artist's illustration from that of a good graphic artist imitating the painter's style B. Manufacturers will use well-known painting styles in their packaging C. The original version of some well-knows paintings are unavailable for use in packaging D. Manufacturers will continue to use graphic artists to imitate the artistic style of famous painters
7	Two-fifth of a certain number is 30. What is the number ?	A. 75 B. 25 C. 90 D. 150
8	Ahmed has a rectangular garden measuring 4.32m by 3.36m. He wants to divide it into square plots of equal size. What is largest sized square the can use?	A. 0.24 B. √3 C. 0.48m D. 0.16
9	How many three-digit number have only even digits ?	A. 48 B. 58 C. 500 D. 300
		A. 5

10	if 5/x, 8/x and 13/x are all in lowest terms. Then how many integers, x between 30 and 40 ?	B. 1 C. 2 D. 3
11	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
12	Question Image	A. $3\sqrt{3}$ B. $36\sqrt{3}$ C. 81 D. $81\sqrt{3}$
13	During warm weather, my dog suffers from fleas inure than during cooler weather. Therefore,fleas must thrive in a warm environment. Q:Which of the following exhibits a pattern of reasoning most similar to the one exhibited in the argument above?	A. Moose and bear usually appear at the same drinking hole at the same time of day. Therefore, moose and bear must grow thirsty at about the same time B. Children who are scolded severely tend to misbehave more often than other children do. Hence, if a child is not scolded severely that child is less likely tomis behave C. Pesticides are known to cause anemia in some people. However, most anemic people live in regions where pesticides are not commonly used D. Beautiful beaches attract people, no doubt about it. Just look at this city's beautiful beaches, which are among the most over crowded beaches in the state
14	The least number which when divided by 12,15 and 18 leaves 5 as remainder in each case is:	A. 180 B. 175 C. 185 D. 125
15	Which of the following inequalities is the solution of the inequality 7a - 5<2a + 18 ?	A. a<23 B. a>13 C. a≤23 D. a≥13
16	Question Image	A. 2 + √2 B. 4 + √2 C. 4(1 + √2) D. 16(1 + √2)
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18	How many 1cm square pieces of paper can Rachael cut from a square sheet of paper with a side length of 2.1 m?	A. 22100 cm² B. 44100 cm² C. 27100 cm² D. 36100 cm²
19	Clarinet reeds often lose their freshness - become less responsive - after a few weeks of intense use. One clarinetist has hypothesized that a buildup of oil, rather than changes in the material properties of the reed, were responsible. Q:Which of the following investigations is most likely to yield significant information that would help to evaluate the hypothesis?	A. Determining what kind of wood is used to make the reeds used by jazz clarinetists B. Determining whether jazz clarinetists make their reeds lose their freshness faster than do classical clarinetists C. Determining whether identical lengths of reeds, of the same thickness, lose their freshness at different rates when put onto various brands√ of clarinets

20	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%