

GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	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 planes
2	Question Image	A. 54 cm^2 B. 24 cm^2 C. 96 cm^2 D. 59 cm^2
3	If $\frac{4}{13}$ of a number is 39, what is $\frac{8}{13}$ of that number ?	A. $\frac{39}{4}$ B. 78 C. 16 D. $\frac{39}{8}$
4	Yesterday Sagher earned Rs. 100 less than Bilal, and today Sagher earned Rs.75 more than Bilal. Which of the following must be true about Sagher's total earnings for the two days compared to Bilal's?	A. Sagher earned $\frac{3}{4}$ of what Bilal earned B. Sagher earned \$17.50 more than Bilal C. Sagher earned \$2.50 more than Bilal D. Sagher earned \$25 less than Bilal
5	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 $\frac{y}{x}$ Column B $\frac{x}{y} - 1$ $x = 2y$	A. A B. B C. C D. D
6	$3x^2 - 27/x - 3$ and $(x > 0)$, is:	A. less than $2x + 9$ B. equal to $2x + 9$ C. greater than $2x + 9$ D. cannot find
7	If $\#n = (n-5)^2 + 5$, then find $\#3 \times \#5$.	A. 50 B. 55 C. 30 D. 40 E. 45
8	Question Image	A. 7 B. 15 C. 25 D. 35
9	If $3y = 7$, the value of $6y - 3$ is:	A. 39 B. 13 C. 11 D. 10
		A. $\frac{1}{6}$

10	A German class has 12 boys and 18 girls. What is the fraction of the class boys ?	B. $\frac{3}{5}$ C. $\frac{2}{3}$ D. $\frac{4}{15}$
11	A man present age is x years. If his age in 8 years will be $\frac{4}{5}$ of what it will be in 20 years, then his present age is:	A. 45 B. 25 C. 30 D. 40
12	<p>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.</p> <p>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.</p> <p>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.</p> <p>Column A ac Column B Bc</p> <p>Abc = 0 a > b</p>	A. A B. B C. C D. D
13	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 two matches. What is the average score of the last two matches ?	A. 5 goals B. 4 goals C. 6 goals D. 8 goals
14	Question Image	A. 100π B. 60π C. 30π D. 110π
15	Question Image	A. 33π B. 24π C. 25π D. 11π
16	Fatima and Maryium each roll a sheet of 9×18 paper to form a cylinder. Fatima tapes the two 9-inch edge together and Maryium tapes the two 18-inch edge together. Refer to this question and tell which of the following statement is true ?	A. The volume of Fatima cylinder is greater than Maryium cylinder B. The volume of Fatima cylinder is less than Maryium cylinder C. The volume of Fatima cylinder is equal to the Maryium cylinder D. Both cylinders have the same circumference
17	<p>In a psychological experiment conducted at South Bay University, groups of men with various levels of education read stories in which people caused harm, some of them doing so intentionally, and some accidentally. When asked about appropriate penalization for those who had caused harm, the less educated men, unlike the educated ones, assigned punishments that did not vary according to whether the harm was done intentionally or accidentally. Uneducated men, then, do not regard people's intentions as relevant to penalization.</p> <p>Q: Which of the following, if true, would most seriously weaken the conclusion above?</p>	<p>A. In these stories, the severity of the harm produced was clearly stated</p> <p>B. In interpreting these stories, the listeners had to draw on a relatively feminine sense of human psychology in order to tell whether harm was produced intentionally or accidentally</p> <p>C. Relatively uneducated men are as likely to produce harm unintentionally as are more educated men</p> <p>D. The more educated men assigned penalization in a way that closely resembled the way women had assign penalization in a similar experiment</p>
18	If P represents the area and W represents the circumference of the circle, then P in terms of W is:	A. $2\pi/W$ B. $4\pi^2/W$ C. $2\pi^2/W$ D. $W^2/4\pi$
19	<p>Certain upgrades need to be made on each of the computers owned by Sami Publishers. The work of upgrading their 20 computers is mentally taxing. Employees are using the computers during the day, making it difficult for the computer technician to coordinate the block of time needed to work on each computer. Therefore, the most efficient time to upgrade the computers is between ten o'clock p.m. and eight o'clock a.m. when the computers are free.</p> <p>Q: Which of the following, if true, argues most strongly against the view that upgrades could be done more efficiently by scheduling them at night?</p>	<p>A. Energy costs in businesses are greatly lower at night than they are during the day</p> <p>B. More blackouts occur between midnight and eight o'clock in the morning than at any other time</p> <p>C. Over the course of a year, the company's computers will require periodical checks and upkeep</p> <p>D. Mental alertness is lower in the late night than during the day, especially in</p>

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

Column A

x

Column B

y

x and y are positive

$$1/x = 1 + 1/y$$