

GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	If $x - 5 = 9$, what is the value of $x^2 - 5$?	A. 196 B. 191 C. 16 D. 11
2	What is the area of the parallelogram ABCD ?	A. 24 B. 21 C. 29 D. 28
3	If $2x + 5y = 18$ and $x = 4$ then what is the value of y ?	A. 2 B. 3 C. 4 D. 5
4	What is the value of the function $k(x) = x^2 - 2$ when $x = 7$?	A. 5 B. 9 C. 45 D. 47 E. 51
5	If $6 - a > 7$, then	A. $a > 1$ B. $a > -1$ C. $a < -1$ D. $a < 1$
<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 $a + b$ Column B 15</p> <p>(a and b are positive integers $ab = 21$)</p>		A. A B. B C. C D. D
6		
7	The smallest member of set W is:	A. 0 B. 1 C. 2 D. 3
8	<p>The death rates for three diseases are</p> <p>Disease R 2 people out of 10,000</p> <p>Disease S 13 people out of 1,000,000</p> <p>Disease T 9 people out of 100,000</p> <p>What is the combined death rate for the three diseases?</p>	A. 123 out of 1,000,000 B. 42 out of 10,000 C. 42 out of 1000,000 D. 303 out of 1,000,000
9	Question Image	A. $2 + \sqrt{2}$ B. $4 + \sqrt{2}$ C. $4(1 + \sqrt{2})$ D. $16(1 + \sqrt{2})$
<p>In many hospitals, more and more monitoring is being carried out by automated equipment instead of human employees who previously carried out the work. This is done in an attempt to save hospital expenses. However, many employees who lose their jobs to automation will need government assistance to get by, and the same corporations that are laying people off</p>		A. Most of the new jobs created by automated equipment pay less than the jobs that were eliminated by automated equipment did B. Many hospitals that have failed to automate have seen their profits

10	<p>need government assistance to get by, and the same corporations that are laying people off will eventually pay for that assistance through increased taxes and unemployment insurance payments.</p> <p>Q:Which of the following, if true, most strengthens the author's argument?</p>	<p>decline</p> <p>C. Unemployment insurance and taxes are paid also by corporations that are not automating</p> <p>D. Many workers who have already lost their jobs to automated equipment have been unable to find new employment</p>
11	<p>If 5 years are added to a man present age and that age is tripled, he will be 84. What is his present age ?</p>	<p>A. 18</p> <p>B. 23</p> <p>C. 32</p> <p>D. 54</p>
12	<p>On a test consisting of 60 problems, Sonia solved 75% of first 40 problems correctly. What percent of the other 20 questions does she need to solve correctly for her grade on the entire exam to be 90% ?</p>	<p>A. 95%</p> <p>B. 65%</p> <p>C. 85 %</p> <p>D. cannot achieve 90%</p>
13	<p>Wheat has more nutritional value than rye. But since oats have more nutritional value than rice, it follows that wheat has more nutritional value than rice.</p> <p>Q:Any of the following, if introduced into the argument as an additional premise, makes the argument above logically correct EXCEPT:</p>	<p>A. Wheat and oats have the same nutritional value</p> <p>B. Rye has more nutritional value than oats</p> <p>C. Rye has more nutritional value than rice</p> <p>D. Oats have more nutritional value than wheat</p>
14	<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 3x - 19 / 3 Column B x - 19</p>	<p>A. A</p> <p>B. B</p> <p>C. C</p> <p>D. D</p>
15	<p>If a jet travels 1280 km in 2 hours, how far will it travel in 5 1/2 hours, at the same speed ?</p>	<p>A. 2100</p> <p>B. 3300</p> <p>C. 2700</p> <p>D. 3520</p>
16	<p>From 2005 to 2006 the number of male earning PhD increased by s%, and the number of female earning PhD decreased by t%. What is the value of s-t?</p>	<p>A. 225</p> <p>B. 200</p> <p>C. 275</p> <p>D. 250</p>
17	<p>Question Image</p>	<p>A. 35</p> <p>B. 45</p> <p>C. 55</p> <p>D. 40</p>
18	<p>When I arrived at the college last week, the behavior of the students was so poor that I was shocked. The student population is completely lacking in good social skills.</p> <p>Q:Which of the following, if true, would weaken the above conclusion?</p>	<p>A. Students on boarding are often rude</p> <p>B. Students of sciences are often rude</p> <p>C. Social skills should not be expected of college students</p> <p>D. The enrolment in an ordinary college is more than 10,000, even in a small city in Pakistan</p>
19	<p>Question Image</p>	<p>A. 12 cm^2</p> <p>B. 25 cm^2</p> <p>C. 9 cm^2</p> <p>D. 17.23 cm^2</p>
	<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>	

D. If the relationship cannot be determined from the information given.

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

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 number of primes that are divisible by 2.

Column B

The number of primes that are divisible by 5.
