

## GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	If $r$ , $s$ and $t$ are integers greater than 1, where $rs = 15$ and $st = 33$ , which of the following must be true?	<p>A. <math>t \geq r \geq s</math>            B. <math>s \geq t \geq r</math>            C. <math>r \geq t \geq s</math>            D. <math>s \geq r \geq t</math></p>
2	Question Image	<p>A. 70            B. 45            C. 40            D. 65</p>
3	If $P^2 + 5 = 22$ , then $P^2 - 5 =$	<p>A. 12            B. 17            C. 39            D. 144</p>
4	<p>Rizwana has never received a violation ticket from the traffic police during her 10-year driving experience. Rizwana must be a great driver.            Q: Which of the following can be said about the reasoning above?</p>	<p>A. Rizwana is a slow driver            B. Rizwana's brother is in Pakistan naval forces at a high rank, so police do not issue ticket to her            C. Rizwana has high tech car            D. More information is required to give the argument</p>
5	If $at - b = c - dt$ , what is the value of $t$ in terms of $a$ , $b$ , $c$ and $d$ ?	<p>A. <math>b-c/a-d</math>            B. <math>a/b</math>            C. <math>c/d</math>            D. <math>b+c/a+d</math></p>
6	<p>In an vitro study, 160 white cats were injected with saltx. 160 other white cats were injected with placebo. In two weeks, 39% of the white cats, who were injected with SaltX showed symptoms of Kay fever? Hence, it can be concluded that Kay fever is caused by some elements similar to the elements in SaltX. Q: Which of the following statements would most seriously weaken the above discussion?</p>	<p>A. People suffering from Kay fever are the victims of the golden viper of Sindh            B. One among the 160 white cats had already showed symptoms of Kay fever prior to the experiment            C. The natural habitats of white cats does not contain any of the elements found in Salt X            D. The 160 white cats used in the experiment were kept isolated from each other</p>
7	<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><b>Column A</b>  <math>x/y</math>  <b>Column B</b>  <math>y/x</math></p> <p><math>x = 1/3</math> and <math>y = 1/4</math></p>	<p>A. A            B. B            C. C            D. D</p>
8	Question Image	<p>A. <math>2.6\pi</math>            B. <math>5.5\pi</math>            C. <math>7.6\pi</math>            D. <math>1/2\pi</math></p>
	<p>Our educational boards should not spend their money on the new Pakistan studies reading</p>	<p>A. The Pakistan studies program would not help the students learn history            B. Pakistan studies are no longer</p>

9	<p>Our educational boards should not spend their money on the new Pakistan studies reading program. After all, our students get all the information they need by studying history.</p> <p>Q:The argument above depends on which the following assumptions?</p>	<p>beneficial for Pakistani students, as they already know everything described in it</p> <p>C. The Pakistan studies program is contained in only history course</p> <p>D. Teaching history to the students is more important than teaching them Pakistan studies</p>
10	<p>The height of a triangle of base 3 cm and area 9 cm<sup>2</sup> is:</p>	<p>A. 6 cm</p> <p>B. 9 cm</p> <p>C. 18 cm</p> <p>D. 22 cm</p>
11	<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.</p> <p>B.If the quantity in column B is greater.</p> <p>C.If the two quantities are equal.</p> <p>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><b>Column A</b>  <math>3\sqrt{5} - \sqrt{125} + \sqrt{20}</math></p> <p><b>Column B</b>  0</p>	<p>A. A</p> <p>B. B</p> <p>C. C</p> <p>D. D</p>
12	<p>What fraction is exactly midway between 1/3 and 1/4 ?</p>	<p>A. 7/12</p> <p>B. 7/24</p> <p>C. 29/11</p> <p>D. 1/2</p>
13	<p>If <math>a &gt; 0</math>, <math>b &gt; 0</math> and <math>a - b &lt; 0</math>, then ?</p>	<p>A. <math>a &lt; b</math></p> <p>B. <math>a + b &lt; 0</math></p> <p>C. <math>a &gt; b</math></p> <p>D. <math>b - a &lt; 0</math></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.</p> <p>B.If the quantity in column B is greater.</p> <p>C.If the two quantities are equal.</p> <p>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><b>Column A</b>  Value of x when <math>N = 1</math></p> <p><b>Column B</b>  Value of x when <math>N = 3</math></p> <p><math>(x = 3^{N/N})</math></p>	<p>A. A</p> <p>B. B</p> <p>C. C</p> <p>D. D</p>
15	<p>In figure 2, what is the area of <math>\triangle BED</math> ?</p>	<p>A. 16</p> <p>B. 14</p> <p>C. 12</p> <p>D. 6</p>
16	<p>Researchers have found an inactive virus in dry bread. In previous experiments, researchers found that inactivated viruses could convert healthy cells into cancer cells. It can be concluded that the use of dry bread can cause cancer.</p> <p>Q:Which one of the following, if true, most seriously weakens the argument?</p>	<p>A. The results of many studies about the same topic were consistent</p> <p>B. Many other ingredients of dry bread can neutralize the effect of inactive virus</p> <p>C. Many of cancer patients confirmed the use of dry bread</p> <p>D. Ten percent of rural population use dry bread</p>
17	<p>Question Image</p>	<p>A. <math>22.9\pi</math></p> <p>B. <math>22.4\pi</math></p> <p>C. <math>60\pi</math></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.

- 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.  
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**Column A**

$3x - 19/3$

**Column B**

$x - 19$

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

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Reporter: H & B Co. has misled its clients by promoting some Egyptian porcelain figurines as rare; in fact those pieces are relatively commonplace.  
 H & B Representative: That is absurd! H & B is the largest antique dealer in the country. We authenticate the figurines we sell through a nationally recognized firm.

Q: The H & B Representative's reply is most vulnerable to the criticism that it .

- A. exaggerates the H & B Representative's claims in order to make them appear absurd  
 B. accuses the H & B Representative of bias but presents no evidence to support that accusation  
 C. fails to establish that other antique dealers do not also authenticate the figurines those dealers sell  
 D. lists strengths of H & B while failing to address the representative's charge

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**Column A**

$P$

**Column B**

$0$

$(pq = 0)$

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