

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

Sr	Questions	Answers Choice
	<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>	
1	<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>            The average (arithmetic mean) of <math>2x</math> and <math>2y</math>  <b>Column B</b>  <math>180^\circ</math></p>	<p>A. A            B. B            C. C            D. D</p>
2	The surface area of a cube is 180, its volume is:	<p>A. 125            B. 30            C. 164            D. <math>30\sqrt{30}</math></p>
3	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?	<p>A. 12:30            B. 12:45            C. 1:30            D. 12:25</p>
4	Out of the 44 boys in a class, 9 are of the age of 10, 15 at the age of 9, and the rest are at the age of 5. Find the average age of the entire class.	<p>A. 7.85            B. 8.75            C. 12.2            D. 14.35</p>
5	<p>As any economist knows, healthy people pose less of an economic burden to society than unhealthy people. Not ,surprisingly, then, every rupee our government spends prenatal care for undocumented immigrants will save taxpayers of this country three rupees.</p> <p>Q: Which of the following, if true, would best explain why the statistics cited above are not surprising?</p>	<p>A. The taxpayers pay for prenatal care of all immigrants            B. Pregnant women who do not receive prenatal care are more likely to experience health problems than other pregnant women            C. Benefits for prenatal care serve to promote undocumented immigration            D. Babies whose mothers did not receive prenatal care are just as healthy as other babies</p>
6	<p>Parents of some of the children in a particular class have claimed that the teacher is not objective and favors his male students with higher grades. But the record showed that 92% of the female students received a passing grade in this teacher's class. This record demonstrates that the teacher has not discriminated against women when assigning grades.</p> <p>Q: The argument, above is flawed in that it ignored the possibility that.</p>	<p>A. A large number of the teacher's student were in his class the previous year            B. Many teachers find it difficult to be objective when assigning grades to male and female students            C. The evidence shows that more than 92% of the female students should have received a passing grade            D. The majority of tests written by female students and that have been rechecked by another teacher were given a higher grade by the second teacher</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>	<p>A. A</p>

7	<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>B. B  C. C  D. D</p>
8	<p>If x is a positive number, then 50 percent 10x equals</p>	<p>A. 2x  B. 4x  C. 20x  D. 5 x</p>
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10	<p>What is the least of three consecutive integers whose sum is 18?</p>	<p>A. 2  B. 3  C. 4  D. 5</p>
11	<p>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 ?</p>	<p>A. 49%  B. 59%  C. 29%  D. 51%</p>
12	<p>A German class has 12 boys and 18 girls. What is the fraction of the class boys ?</p>	<p>A. 1/6  B. 3/5  C. 2/3  D. 4/15</p>
13	<p>The least number which when divided by 12, 15 and 18 leaves 5 as remainder in each case is:</p>	<p>A. 180  B. 175  C. 185  D. 125</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><b>Column A</b>  <math>x^4 x^5</math></p> <p><b>Column B</b>  <math>(x^3)^2</math></p> <p><math>(x &gt; 0)</math></p>	<p>A. A  B. B  C. C  D. D</p>
15	<p>Question Image</p>	<p>A. 16 sq.cm  B. 15 sq.cm  C. 60 sq.cm  D. None of these</p>

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- A. If the quantity in column A is greater.  
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D. If the relationship cannot be determined from the information given.

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

16

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 the even numbers between 1 and 13

**Column B**

The average (arithmetic mean) of the odd numbers between 2 and 14

17

Find the greatest number of 4 digits which when divided by 18, 24, 30 and 36 leaves a remainder 17 in each case.

- A. 360  
B. 9360  
C. 3600  
D. 9377

18

A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days?

- A.  $576/x$   
B.  $48/5x$   
C.  $24/x$   
D.  $576/5x$

19

The cost of the planting sugarcane at the rate of 6 paisa per square meter is Rs. 5840.64. What is the length of side of this square field:

- A. 312 m  
B. 622 m  
C. 97344 m  
D. 459 m

20

If the base of a rectangle is increased by 40% and its altitude is decreased by 20% then its area is:

- A. decreased by 20%  
B. increased by 12%  
C. decreased by 12%  
D. increased by 16%