

## GAT-C Agriculture, Veterinary, Biological & Related Science Quantitative

Sr	Questions	Answers Choice
1	Question Image	<p>A. Volume of the cube is less than the volume of the box  <b>B. Volume of the cube is greater than the volume of box</b>  C. Volume of the cube is equal to the volume of box  D. The surface area of both cube and box are equal</p>
2	A solid metal cube of side 5 inches is placed in a rectangular tank whose length, breadth and height are 5, 6 and 7 inches, respectively. What is the volume in cubic units, of water that the tank can now hold ?	<p>A. 210 cubic inches  <b>B. 85 cubic inches</b>  C. 125 cubic inches  D. 216 cubic inches</p>
3	<p>During warm weather, my dog suffers from fleas inure than during cooler weather. Therefore, fleas must thrive in a warm environment.</p> <p>Q: Which of the following exhibits a pattern of reasoning most similar to the one exhibited in the argument above?</p>	<p>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 to misbehave  C. Pesticides are known to cause anemia in some people. However, most anemic people live in regions where pesticides are not commonly used  <b>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</b></p>
4	Which of the following is the sum of two consecutive prime numbers?	<p>A. 66  <b>B. 52</b>  C. 41  D. 29</p>
5	Question Image	<p><b>A. 50</b>  B. 20  C. 35  D. 10</p>
6	Question Image	<p><b>A. C/π</b>  B. <math>C^{3/2}/\pi</math>  C. <math>C^{3/2}/4\pi^{2/3}</math>  D. <math>C^{3/2}/2\pi</math></p>
7	If the height of a cylinder is double to its circumference, what is the volume of the cylinder in terms of its circumference, C ?	<p><b>A. 8</b>  B. 10  C. 12  D. 50</p>
8	If $5/6n = 60$ , then $1/6n = ?$	<p>A. Advertising does not play a role in causing young people to start or continue drinking  <b>B. Advertisements of alcoholic drinks cannot be the only factor that affects the prevalence of drinking among young people</b>  C. Banning advertisements of alcoholic drinks does not reduce the consumption of alcoholic drinks  D. More youths drink if they are not exposed to advertisements of alcoholic drinks than if they are</p>
9	<p>Many people claim that advertisements of alcoholic drinks influence young people to start drinking socially. In Iceland, however, where there has been a ban on the advertisement of alcoholic beverages since 1982, drinking is at least as prevalent among young people as it is in countries that do not have a similar ban.</p> <p>Q: Which of the following statements draws the most reliable conclusion from the information above?</p>	<p><b>A. 25 3/5</b>  B. 5 3/5  C. 20  D. 128</p>
10	A candy recipe calls for 5 parts milk, 4 parts cocoa, 4 parts syrup, 2 parts sugar, and 1 part butter. If you use 8 ounces of milk, how many ounces of candy mixture can you make?	

11	Two spinning machines A and B can together produce 300,000 meters of cloth in 10 hours. If machine B alone can produce the same amount of cloth in 15 hours, how much cloth can machine A produce alone in 10 hours?	A. 200,000 meters B. 100,000 meters C. 150,000 meters D. 50,000 meters E. 250,000 meters
12	If $r$ , $s$ and $t$ are integers greater than 1, where $rs = 15$ and $st = 33$ , which of the following must be true?	A. $t > r > s$ B. $s > t > r$ C. $r > t > s$ D. $s > r > t$
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.	A. A B. B C. C D. D
13	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.	A. A B. B C. C D. D
<p><b>Column A</b>  <math>27 \div 9 \times 3</math></p> <p><b>Column B</b>  7</p>		
14	The average of the first 35 positive integers is:	A. 13 B. 17 C. 18 D. 19
15	A German class has 12 boys and 18 girls. What is the fraction of the class boys ?	A. 1/6 B. 3/5 C. 2/3 D. 4/15
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.	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.	A. A B. B C. C D. D
<p><b>Column A</b>  <math>(2/7)^2</math></p> <p><b>Column B</b>  <math>\sqrt{2/7}</math></p>		
17	How many two-digit numbers are there which are divisible by 6 ?	A. 17 B. 18 C. 16 D. 15
18	<p>Gas heater in bedrooms has long been the main cause of home fires. Despite a significant decline in gas heaters in the last two decades, there has been no comparable decline in the number of people killed in home fires.</p> <p>Q: Each one of the following statements, if true over the last two decades, helps to resolve the apparent discrepancy above EXCEPT:</p>	<p>A. Compared to other types of some fires, home fires caused by gas heaters in bedrooms usually cause relatively little damage before they are extinguished</p> <p>B. Population densities have increased, with the result that one home fire can cause more deaths than in previous decades</p> <p>C. Gas heater users often sleep in the morning</p> <p>D. Home fires caused by gas heaters in bedroom often break out after the residents have fallen asleep</p>
19	if $5/x$ , $8/x$ and $13/x$ are all in lowest terms. Then how many integers, $x$ between 30 and 40 ?	A. 5 B. 1 C. 2

20

Question Image

- A. 20<sup>o</sup>
- B. 70<sup>o</sup>
- C. 100<sup>o</sup>
- D. 110<sup>o</sup>