

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

Sr	Questions	Answers Choice
1	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?	<p>A. 25 3/5 B. 5 3/5 C. 20 D. 128</p>
2	<p>A legislator proposes that communities should therefore be required to adopt filtering systems and to reach the target of filtering 50 percent of all tap water within 5 years.</p> <p>Q: Which of the following, if true, most seriously calls into question the advisability of implementing the proposal?</p>	<p>A. Existing filtering systems programs have been private and voluntary, with citizen participation ranging from 25 percent in some communities to 70 percent in others B. Existing filtering programs have been restricted to the tap water that is ingested by humans C. Existing filtering programs have had recurrent difficulties selling their filtering systems privately usually because the quantities filtered are too small to be affordable for most families D. Some of the materials filtered out of the water are materials that can be used for other purposes E.
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3	Question Image	<p>A. $\pi r^2 (R^2 - r^2)$ B. $\pi r^2 (R^2 + r^2)$ C. $\pi r^2 (R + r)(R - r)$ D. $\pi (R + r)(R - r)$</p>
4	Question Image	<p>A. 35 B. 45 C. 55 D. 40</p>
5	<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 questions, 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 $27 \div 9 \times 3$ Column B 7</p>	<p>A. A B. B C. C D. D</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	If $81^{10} = 3^{x-7}$, what is the value of x?	<p>A. 47 B. 27 C. 51 D. 14</p>

8	If the L.C.M and H.C.F of two numbers are 150 and 30 respectively, and one of the numbers is 18, find the other number ?	A. 250 B. 180 C. 150 D. 170
9	Question Image	A. $x < y$ only B. $y < x$ only C. $x < y$ and $y < z$ only D. $x < y$ and $y < z$ only
10	If $a + b = 8$, $b + c = 9$, and $c + a = 11$, what is the average of a, b and c ?	A. 14/3 B. 28/3 C. 14/6 D. 7/3
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.	
11	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
	Column A b Column B 0	
	The average (arithmetic mean) of a, b 22 and 38 is 15, and $a > 0$	
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.	
12	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
	Column A y^x Column B x^y	
	$x > 1$ $x \neq y$	
13	What is the average of 3^{10} , 3^{20} and 3^{30} ?	A. 3^{59} B. $3^{9} + 3^{19} + 3^{29}$ C. 3^{57} D. $3^{11} + 3^{21} + 3^{31}$
14	A recipe requires 13 gram of sugar and 18 gram of flour. If only 100 gram of sugar is used, how much flour, to the nearest gram, should be used ?	A. 16 B. 13 C. 14 D. 17
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.	

15 Notes: Sometimes, in certain questions, 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

Column A

x

Column B

y

x and y are positive

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

16 Question Image

A. 100^o
B. 60^o
C. 80^o
D. 40^o

17 The volume of a cube is 216, its surface area is:

A. 64
B. 216
C. 25
D. 96

18 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 will eventually pay for that assistance through increased taxes and unemployment insurance payments.

Q: Which of the following, if true, most strengthens the author's argument?

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 decline
C. Unemployment insurance and taxes are paid also by corporations that are not automating
D. Many workers who have already lost their jobs to automated equipment have been unable to find new employment

19 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%?

A. 95%
B. 65%
C. 85 %
D. cannot achieve 90%

20 Question Image

A. Volume of the cube is less than the volume of the box
B. Volume of the cube is greater than the volume of box
C. Volume of the cube is equal to the volume of box
D. The surface area of both cube and box are equal