

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

Sr	Questions	Answers Choice
1	When 42 is added to twice a number, the result is 346, the number is:	A. 304 B. 242 C. 152 D. 265
2	Question Image	A. $3 + 4\sqrt{3}$ B. $18(3 + 4\sqrt{3})$ C. 54 D. $84\sqrt{3}$
3	<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 The number of primes that are divisible by 2.</p> <p>Column B The number of primes that are divisible by 5.</p>	A. A B. B C. C D. D
4	<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 $5 \nabla 4$</p> <p>Column B $1/2 \nabla 2/5$</p> <p>$x \nabla y = x/y + y/x$</p>	A. A B. B C. C D. D
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 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 The average (arithmetic mean) of a and b</p>	A. A B. B C. C D. D

Column B

The average (arithmetic mean) of a, b and $2b$

$$b > 0$$

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.

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

- 6 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 x, y, z and 39

Column B

40

- 7 In a screening process of 5600 candidates, 20% of the candidates were disqualified in the first test. In the second test 40% of the first test qualifiers were disqualified. How many candidates qualified the test?

- A. 2688
B. 1344
C. 3600
D. 5000

- 8 A neon sign flashes every 3 seconds, another sign flashes every 5 seconds, and a third flashes every 7 seconds. If they all flash together, how many seconds will pass before they all flash simultaneously again?

- A. 15 seconds
B. 35 seconds
C. 105 seconds
D. 21 seconds

- 9 Twice the age of son is 4 years more than the age of his father. What is the age of the son if father is of 40?

- A. 22
B. 20
C. 18
D. 16
E. 14

- 10 In figure 2, what is the area of $\triangle BED$?

- A. 16
B. 14
C. 12
D. 6

- 11 If 5 years are added to a man's present age and that age is tripled, he will be 84. What is his present age?

- A. 18
B. 23
C. 32
D. 54

- 12 At last month's symposium on the increasing air pollution affecting the Beaumont forest, most participating members favored uniform controls on the quality of exhaust fumes, whether or not specific environmental damage could be attributed to a particular source of fumes. What must, of course, be shown, in order to avoid excessively restrictive controls, is that

Q: Which of the following, best completes the passage below?

- A. Any uniform controls that are adopted are likely to be implemented without delay
B. Environmental damage already inflicted on the Beaumont forest is reversible
C. The members favoring uniform controls are those representing bodies that generate the largest quantities of exhaust fumes
D. Any substance to be made subject to controls can actually cause environmental damage

- 13 If $5x > 2$ and $12/2 \leq x \leq 4$, list all the possible integral values of x ?

- A. 2, 3, 4, 5, 6
B. 1, 2, 3, 4, 5, 6, 7, 8
C. 2, 3
D. 1

- 14 In a squash tournament that has 75 entrants, a player is eliminated whenever he loses a match. How many matches will be played in the entire tournament?

- A. 74
B. 18
C. 34
D. 36

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	<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 b</p> <p>Column B 0</p> <p>The average (arithmetic mean) of a, b, 22 and 38 is 15, and $a > 0$</p>	<p>A. A B. B C. C D. D</p>
16	<p>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.</p> <p>Q: The H & B Representative's reply is most vulnerable to the criticism that it .</p>	<p>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</p>
17	<p>Question Image</p>	<p>A. Number of students taking math is equal to the number of students taking astronomy. B. Number of students taking math is less than the number of students taking astronomy. C. Number of students taking math is greater than the number of students taking astronomy. D. Cannot find from the given information.</p>
18	<p>If $3x + 17 = 9 - x$, what is the value of x?</p>	<p>A. 2 B. 3 C. -2 D. -3</p>
19	<p>If apples cost 3 for 37 cents, find the cost of $1\frac{3}{4}$ dozen apples.</p>	<p>A. 111 cents B. 159 cents C. 259 cents D. 211 cents</p>
20	<p>Many community colleges suffer declining enrollments during periods of economic recession. At government retraining programs, which are not provided free of charge, enrollment figures boom during these periods when many people have less money and there is more competition for jobs.</p> <p>Q: Each of the following, if true, helps to explain the enrollment increases in government retraining programs above EXCEPT:</p>	<p>A. During periods of economic Slowdown, government retraining programs are more likely those community colleges to prepare their students for the jobs that are still available. B. During periods of economic prosperity, graduates of government retraining programs often continue their studies in community colleges C. Tuition at most government retraining programs is a fraction of that at community colleges D. Government retraining programs devote more resources than do other colleges to attracting those students especially affected by economic slowdowns.</p>