

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

Sr	Questions	Answers Choice
1	<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</p> <p>B. Existing filtering programs have been restricted to the tap water that is ingested by humans</p> <p>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</p> <p>D. Some of the materials filtered out of the water are materials that can be used for other purposes</p> <p>E.</p>
2	<p>Question Image</p>	<p>A. $2(2 + \sqrt{2})$</p> <p>B. $4 + \sqrt{2}$</p> <p>C. $2 + \sqrt{2}$</p> <p>D. 4</p>
3	<p>What fraction is exactly midway between $\frac{1}{3}$ and $\frac{1}{4}$?</p>	<p>A. $\frac{7}{12}$</p> <p>B. $\frac{7}{24}$</p> <p>C. $\frac{29}{11}$</p> <p>D. $\frac{1}{2}$</p>
4	<p>The average of the polynomials, $2x^2 + 5x - 6$, $5x^2 - 5x - 6$ and $30 - 7x^2$ is:</p>	<p>A. 14</p> <p>B. 18</p> <p>C. 6</p> <p>D. $5 - x$</p>
5	<p>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?</p>	<p>A. 200,000 meters</p> <p>B. 100,000 meters</p> <p>C. 150,000 meters</p> <p>D. 50,000 meters</p> <p>E. 250,000 meters</p>
6	<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 product of the integers.</p> <p>Column B The average of the integers.</p>	<p>A. A</p> <p>B. B</p> <p>C. C</p> <p>D. D</p>
7	<p>When I arrived at the college last week, the behavior of the students was so poor that I was shocked. The student population is completely lacking in good social skills.</p> <p>Q: Which of the following, if true, would weaken the above conclusion?</p>	<p>A. Students on boarding are often rude</p> <p>B. Students of sciences are often rude</p> <p>C. Social skills should not be expected of college students</p> <p>D. The enrolment in an ordinary college is more than 10,000, even in a small city in Pakistan</p>
8	<p>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>	<p>A. 7.85</p> <p>B. 8.75</p> <p>C. 12.2</p> <p>D. 14.35</p>

9	A village has 5860 voters, of whom 7% usually forget to vote. In order to win an election, a candidate must gain at least 50% of the remaining votes. How many votes does he need in order to win ?	<p>A. 2/25</p> <p>B. 410</p> <p>C. 5450</p> <p>D. None of these</p>
10	<p>Acme brand aspirin claims to be the best headache relief available on the market today. To prove this claim, Acme called 10 people and asked them their thoughts on headache relief products. All 10 of them stated that they . unequivocally use Acme brand aspirin on a regular basis and that they believe it to be the best headache relief available on the market today.</p> <p>Q:Which of the following would most weaken this argument?</p>	<p>A. Acme brand aspirin is highly addictive</p> <p>B. The 10 people called were spouses of Acme employees</p> <p>C. Most people choose to suffer silently through their headaches and take no medicines whatsoever</p> <p>D. The 10 people called own stock in a competing company</p>
11	3/8 of a number is 10. What is the number ?	<p>A. 91</p> <p>B. 81</p> <p>C. 23</p> <p>D. 27</p>
12	Two-fifth of a certain number is 30. What is the number ?	<p>A. 75</p> <p>B. 25</p> <p>C. 90</p> <p>D. 150</p>
13	If $a > 0$, $b > 0$ and $a - b < 0$, then ?	<p>A. $a < b$</p> <p>B. $a + b < 0$</p> <p>C. $a > b$</p> <p>D. $b - a < 0$</p>
14	A circle whose center is at (3, 4) passes through the origin. Which of the following points is not on the circle ?	<p>A. (-1, 3)</p> <p>B. (-1, 1)</p> <p>C. (0, 0)</p> <p>D. (7, 7)</p>
15	The total number of eighths in $3\frac{3}{4}$ is:	<p>A. 15</p> <p>B. 54</p> <p>C. 30</p> <p>D. 24</p>
16	<p>Abdullah Sheikh, senior sales officer in a multinational, has trained many top salespeople in his company, including seven who have become the top salespersons in their regions and three who have won the top salesperson award. Although there is an art to selling, Mr. Sheikh's success at training top salespeople shows that the skills required to become a top salesperson can be both taught and learned.</p> <p>Q:The argument above depends on which one of the following assumptions?</p>	<p>A. Mr Sheikh does not teach the hard-sell method. Nor does he teach the "I'll-be-your friend" method. Instead, he stresses the professional-client relationship</p> <p>B. More than 50% of the people trained by Mr. Sheikh went on to become successful sales people</p> <p>C. One of the successful salespeople who trained under Mr Sheikh was not an accomplished salesperson before learning the Sheikh's Method</p> <p>D. There is a large and expanding industry dedicated to training salespeople</p>
17	There are 28 players in a college cricket team. What is the probability that at least 3 of them have their birthday in the same month ?	<p>A. 0</p> <p>B. 1/5</p> <p>C. 1</p> <p>D. 1/2</p>
18	A bag has 7 marbles, one of each of colours, green, blue, brown, yellow, red, white and pink. If 6 marbles are removed from the bag, what is the probability that the red one was removed ?	<p>A. 1/7</p> <p>B. 4/3</p> <p>C. 2/7</p> <p>D. 6/7</p>
19	What is the value of the function $k(x) = x^2 - 2$ when $x = 7$?	<p>A. 5</p> <p>B. 9</p> <p>C. 45</p> <p>D. 47</p> <p>E. 51</p>
20	Question Image	<p>A. $\text{Area of } \triangle POR > \text{Area of } \triangle ORS$</p> <p>B. $\text{Area of } \triangle POR = \text{Area of } \triangle ORS$</p> <p>C. $\text{Area of } \triangle ORS > \text{Area of } \triangle POR$</p> <p>D. $\triangle POR \cong \triangle ORS$</p>