

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

Sr	Questions	Answers Choice
1	If $xy > 0$ and $x < 0$, which of the following negative ?	A. $-x$ B. $-y$ C. y D. xy
2	<p>The Burmese ferret badger burrows its home in the ground. Based on the fact that different local populations of Burmese ferret badgers of the same species dig homes of different styles, zoologists have concluded that the badgers building styles are a culturally acquired, rather than a genetically transmitted, trait.</p> <p>Q: Which of the following, if true, would most strengthen the conclusion drawn by the zoologists?</p>	A. There are more common characteristics than there are differences among the Burmese ferret badger's styles of the local Burmese ferret badger population that has been studied most extensively B. Young Burmese ferret badgers are inept at digging burrows and apparently spend years watching their elders before becoming accomplished in the local style C. The homes of one species of badger lack the characteristics of the homes of most other species of badger D. Burmese ferret badgers are found only in Burma and India, where local populations of the badgers apparently seldom have contact with one another
3	What fractional part of a week is 98 hours ?	A. $\frac{7}{98}$ B. $\frac{7}{12}$ C. $\frac{1}{20}$ D. $\frac{1}{7}$
4	Question Image	A. 20 B. $17\frac{1}{2}$ C. 35 D. $12\frac{1}{2}$
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 P Column B 0 (pq = 0)</p>	A. A B. B C. C D. D
6	A triangle has sides, 5 inches, 12 inches and 13 inches, respectively, A rectangle equal in area to that of the triangle has width of 4 inches. The perimeter of the rectangle, expressed in inches, is:	A. 23 B. 28 C. 60 D. 32
7	If x is a positive number, then 50 percent of $10x$ equals	A. $2x$ B. $4x$ C. $20x$ D. $5x$
8	The least number which when divided by 12, 15 and 18 leaves 5 as remainder in each case is:	A. 180 B. 175 C. 185 D. 186

9	<p>Although most of the lucrative jobs in Pakistan will require a college degree, many of the new jobs require knowledge other than that gained in college or university. For workers in those jobs, good basic skills in reading, communication, and mathematics play an important role in getting a job and developing a career.</p> <p>Q: From the information given above it can be validly concluded that, in today's economy.</p>	<p>A. Employment agencies should conduct communication and mathematics classes</p> <p>B. All colleges and universities are worthless</p> <p>C. People should train their children for technical work</p> <p>D. Skills in reading, communication, and mathematics play an important role in developing a successful career</p>
10	<p>If the ratio of boys and girls in a class is 3 : 5 and the class contains 24 students, how many additional boys would have to enroll to make the ratio of boys to girls 1 : 1 ?</p>	<p>A. 9</p> <p>B. 15</p> <p>C. 6</p> <p>D. 12</p>
11	<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</p> <p>B. One among the 160 white cats had already showed symptoms of Kay fever prior to the experiment</p> <p>C. The natural habitats of white cats does not contain any of the elements found in Salt X</p> <p>D. The 160 white cats used in the experiment were kept isolated from each other</p>
12	<p>Question Image</p>	<p>A. $4/\pi$</p> <p>B. $1/1$</p> <p>C. $2/3$</p> <p>D. $1/2$</p>
13	<p>What is the probability of getting all six in a single throw of three unbiased dice?</p>	<p>A. $1/6$</p> <p>B. $125/216$</p> <p>C. $1/36$</p> <p>D. $1/216$</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.</p> <p>B. If the quantity in column B is greater.</p> <p>C. If the two quantities are equal.</p> <p>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 of the odd integers from 1 to 100.</p> <p>Column B The average of the even integers from 1 to 100.</p>	<p>A. A</p> <p>B. B</p> <p>C. C</p> <p>D. D</p>
15	<p>Question Image</p>	<p>A. 7</p> <p>B. 15</p> <p>C. 25</p> <p>D. 35</p>
16	<p>There is clear evidence that the mandated vaccination to children under age four has resulted in fewer child fatalities over the past five years. Compared to the five-year period prior to the passage of laws requiring the vaccination, fatalities of children under age four have decreased by 30 percent.</p> <p>Q: Which one of the following, if true, most substantially strengthens the argument above?</p>	<p>A. The fatality rate for other age groups has remained steady over the past five years</p> <p>B. Air pollution has been increased over the period of past five years</p> <p>C. Government has implemented a malaria control campaign last year</p> <p>D. Health conditions in the country are better than has been previously</p>
17	<p>The smallest member of set W is:</p>	<p>A. 0</p> <p>B. 1</p> <p>C. 2</p> <p>D. 3</p>
18	<p>Mohin is now three times Mohsin age. Four years from now Mohin will be y years old. In terms of y, how old will Mohsin be ?</p>	<p>A. $\frac{y}{3} - 4$</p> <p>B. $\frac{y}{3} + 4$</p> <p>C. $\frac{y}{3} + 4$</p> <p>D. $\frac{y}{3} - 4$</p>

19

Excavations on the now uninhabited isle of Kelton reveal a scene typical of towns decimated by volcanic ash. Archaeologists have hypothesized that the destruction was due to volcanic activity known to have occurred in the vicinity of the island in 160 B. C.
Q: Which of the following, if true, most strongly supports the archaeologist's hypothesis?

- A. No coins minted after 160 B.C. were found in Kelton, but coins minted before that year were found in abundance
- B. Pieces of gold and pearl jewelry that are often found in graves dating from years preceding and following 160 B.C. were also found in several graves on the island.
- C. Most modern histories of the region mention that several major volcanoes eruptions occurred near the island in 160 B.C.
- D. Several small jugs carved in styles popular in the region in the century between 200 B.C. and 100 B.C. were found in Kelton

20

4/9 of a number is 12. What is the number ?

- A. 27
- B. 36
- C. 18
- D. 16