

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

Sr	Questions	Answers Choice
1	<p>Harper's Pencils manufactures and sells the same pencils as Johnson's Supply. Employee wages account for forty percent of the cost of manufacturing pencils at both factories. Harper's is seeking a competitive edge over Johnson's supply. Therefore, to promote this end, Harper's should lower employee wages.</p> <p>Q:Which of the following, if true, seriously weakens the argument above?</p>	<p>A. Because they make a small number of specialty artist's pencils, pencil manufacturers cannot receive volume discounts on raw materials</p> <p><b>B. Lowering wages would reduce the quality of employee work and this reduced quality would lead to lowered sales</b></p> <p>C. Harper's Pencils has taken away twenty percent of Johnson's Supply business over the last year</p> <p>D. Johnson's Supply pays its employees, on average, ten percent more than does Harper's Pencils</p>
2	<p>Uzma is 15 years old. Asma is one third older than Uzma. How many years ago when Asma was twice as old as Uzma is ?</p>	<p>A. 5</p> <p>B. 12</p> <p>C. 15</p> <p><b>D. 10</b></p>
3	<p>If the sum of one third of a number and twice the same number is 28, the number is:</p>	<p>A. 10</p> <p><b>B. 12</b></p> <p>C. 28</p> <p>D. 14</p>
4	<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 would most strengthen the argument above?</p>	<p>A. Some of the elements in SaltX are extracted from the root of a certain poisonous herb of Hunzaroot of a certain poisonous herb of Hunza</p> <p><b>B. The blood test of the victims of Kay fever revealed the presence of a toxic element in their blood, normally found in salt X</b></p> <p>C. Almost all the white cats died within two days after the first symptom appeared</p> <p>D. Normally the rate of Kay fever among white cats is less than 0.01%</p> <p>E. Within two weeks, about 40% of the white cats, who were injected with placebo, also contracted Kay fever</p>
5	<p>Question Image <input style="width: 100%; height: 20px;" type="text"/></p>	<p>A. 125 sq.cm</p> <p><b>B. 150.72 sq.cm</b></p> <p>C. 64 sq.cm</p> <p>D. 56 sq.cm</p>
6	<p>Question Image <input style="width: 100%; height: 20px;" type="text"/></p>	<p>A. <math>81 + 81\sqrt{3}</math></p> <p><b>B. <math>18 + 18\sqrt{3}</math></b></p> <p>C. <math>12(1 + 2\sqrt{3})</math></p> <p>D. <math>12 + 12\sqrt{3}</math></p>
7	<p>A candy recipe calls for 5 parts milk, 4 parts cocoa, 4 parts syrup, 2 parts sugar, and 1 part 1 butter. If you use 8 ounces of milk, how many ounces of candy mixture can you make?</p>	<p><b>A. 25 3/5</b></p> <p>B. 5 3/5</p> <p>C. 20</p> <p>D. 128</p>
8	<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><b>Column A</b></p>	<p>A. A</p> <p>B. B</p> <p><b>C. C</b></p> <p>D. D</p>

**Column B** $5\sqrt{2}/\sqrt{12}$ 

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.

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

**Column A** $(-12)^n$ **Column B** $(-12)^{n+1}$ 

(n is a positive integer)

10

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 ?

- A. 9
- B. 15
- C. 6
- D. 12

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11

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

**Column A** $pq$ **Column B**

1

 $(p + q = 1)$ 

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.
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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** $0/\sqrt{8}$ **Column B**


1

13

If  $a/2 - 2 > a/3$ , then which of the following statement is true ?

- A.  $a < 12$
- B.  $a > 12$
- C.  $a = 12$
- D.  $a \geq 12$

A. Compared to other types of some fires, home fires caused by gas heaters in bedrooms usually cause relatively little damage before they

14	<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>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>
15	<p>A dealer bought an ornamental jar for Rs. 7,000 and after some days sold it for Rs. 21,000. By what percent did the value of jar increase ?</p>	<p>A. 300</p> <p>B. 200</p> <p>C. 150</p> <p>D. 20</p>
16	<p>Question Image </p>	<p>A. 24</p> <p>B. 30</p> <p>C. 35</p> <p>D. 36</p>
17	<p>If length of a rectangular field is twice that of its width. What is the perimeter of the field if its area is 1152 m<sup>2</sup> ?</p>	<p>A. 256 m</p> <p>B. 144 m</p> <p>C. 24 m</p> <p>D. 96 m</p>
18	<p>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 ?</p>	<p>A. 16</p> <p>B. 13</p> <p>C. 14</p> <p>D. 17</p>
19	<p>Both Gujranwala Jims and Lahore Jims have printed a toll-free number on their exercise products to provide round-the-clock telephone assistance to any customer who encounters difficulties. Since customers only call the numbers when they find the exercise equipment difficult to use, and the Gujranwala Jims line receives three times as many calls as the Lahore Jims' line, Gujranwala Jims' product must be more difficult to use than Lahore Jims.</p> <p>Q:Which of the following, if true, most strengthens the argument above?</p>	<p>A. Calls to the Lahore Jims number are almost twice as long, on average, than calls to the Gujranwala Jims'line.</p> <p>B. Lahore Jims has sold four times the number of its exercise product that Gujranwala Jimshas</p> <p>C. Lahore Jims receives twice as many letters of complaint about its product as Gujranwala Jimsreceives about its product</p> <p>D. The number of calls received by each of the two lines has been gradually increasing.</p>
20	<p>Many people do not read the books they purchase. For example, seventeen percent of college students in Pakistan have text books, but only forty-five percent of them read more than once a year, and only seventeen percent read more than once a week.</p> <p>Q:Which of the following, if true, casts doubt on the claim that most people read the books they purchase?</p>	<p>A. Regular book readers are most susceptible to eye diseases</p> <p>B. Readers often exaggerate about their book reading</p> <p>C. Many people buy books to pretend themselves as a scholar</p> <p>D. The sale of novels is more than that of other types</p>