

## GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	<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><b>Column A</b>  <math>3\sqrt{5} - \sqrt{125} + \sqrt{20}</math>  <b>Column B</b>            0</p>	<p>A. A            B. B            C. C            D. D</p>
2	What is 10% of 30% of 40% ?	<p>A. 0.12%            B. 0.012%            C. 12%            D. 1.2%</p>
3	If $\frac{4}{13}$ of a number is 39, what is $\frac{8}{13}$ of that number ?	<p>A. <math>\frac{39}{4}</math>            B. 78            C. 16            D. <math>\frac{39}{8}</math></p>
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><b>Column A</b>            P  <b>Column B</b>            150</p> <p><math>\sqrt{P} + 3 = 15</math></p>	<p>A. A            B. B            C. C            D. D</p>
5	t is an integer greater than 5. The expression that must represent an odd integer is	<p>A. <math>t(t + 1)</math>            B. <math>3t - 1</math>            C. <math>t^2 + 2</math>            D. <math>2t - 3</math></p>
6	If A(-2, 3) and B(5, -1) are the endpoints of one side of a square ABCD, what is the area of the square ?	<p>A. 20            B. 65            C. 30            D. 35</p>
7	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>A. <math>\frac{y}{3} - \frac{4}{3}</math>            B. <math>\frac{y}{3} + \frac{4}{3}</math>            C. <math>\frac{y}{3} + 4</math>            D. <math>\frac{y}{3} - 4</math></p>
8	Ali purchased some goldfish. During the first week, $\frac{1}{5}$ of them died, and during the second week, $\frac{3}{8}$ of those still alive at the end of the first week died. What is the fraction of the original goldfish still alive after two weeks ?	<p>A. <math>\frac{1}{2}</math>            B. <math>\frac{3}{2}</math>            C. <math>\frac{5}{2}</math>            D. <math>\frac{7}{2}</math></p>

9	What is the probability of getting all six in a single throw of three unbiased dice?	A. 1/6 B. 125/216 C. 1/36 D. 1/216
10	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. Q: Which of the following, if true, casts doubt on the claim that most people read the books they purchase?	A. Regular book readers are most susceptible to eye diseases B. Readers often exaggerate about their book reading C. Many people buy books to pretend themselves as a scholar D. The sale of novels is more than that of other types
11	Each man contributed dollars equal to the number of women and each woman contributed dollars equal to the number of men in a group of 120 people, the total amount collected was Rs. 7200. How many men were there in the group?	A. 72 B. 60 C. 40 D. 80 E. None of these
12	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
13	Question Image	A. 70 B. 45 C. 40 D. 65
14	What is the perimeter of parallelogram ABCD ?	A. $14 + \sqrt{17}$ B. $16 + \sqrt{7}$ C. $2 + \sqrt{17}$ D. $2(7 + \sqrt{17})$
15	From 2005 to 2006 the number of male earning PhD increased by s%, and the number of female earning PhD decreased by t%. What is the value of s-t?	A. 225 B. 200 C. 275 D. 250
16	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. $3^{11} + 3^{21} + 3^{31}$
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.  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.  <b>Column A</b> Ab <b>Column B</b> a/b  a = - 2/3 and b = 3/5	A. A B. B C. C D. D
18	Question Image	A. 50 B. 75 C. 25 D. 65
19	Question Image	A. $x + y = 180$ B. $x - y = 180$ C. $180 \leq x + y \leq 270$ D. Insufficient information

B. 49

C. 8

D. Not possible