

GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	What is the least positive integer which is to be added to 57592910 so that the sum may be a perfect square ?	A. 7588 B. 7 C. 11 D. 15166
2	$6/6 \times 6/12 \times 6/18 \times 6/24 \times 6/30$ equals:	A. 1/120 B. 1/2 C. 1/30 D. 1 E. None of these
3	A rectangular is 16 cm long and 10 cm wide.If the length is reduced by k cm and its width is increased also by k cm so as to make it a square then its area changes by:	A. 169 B. 256 C. 100 D. 9 E. None of the above
4	A soap factory has 30 packers. Each packer can load 1/8 of a box in 9 minutes. How many boxes can be loaded in 1 1/2 hours by all 20 packers ?	A. 28 B. 37 1/2 C. 35 D. 35 1/2
<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>		
5	<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>	A. A B. B C. C D. D
6	If a line passes through the points (x, y) and (1/x, y), then its slope is	A. 1/x B. 0 C. 1 - x ² D. 1
7	If $(5^a)(5^b) = 5^c/5^d$, what is d in terms of a, b and c ?	A. a + b - c B. a - b + c C. a + b + c D. c - a - b
8	<div style="border: 1px solid black; width: 100%; height: 20px; margin-bottom: 5px;"></div> <p>Question Image</p>	A. 100 B. 60 C. 80 D. 40
9	<p>A poster in an eye clinic advises people, who have received eye drops X that blur vision, refrain from driving until they can do so safely. In a Gov't initiated hospital study, however, subjects questioned immediately after they received such drops and underestimated the time necessary to regain their driving ability. This result indicates that many people with eye drops X will be unlikely to follow the advice.</p> <p>Q:Which of the following, if true, most strongly supports the argument above?</p>	A. Many people, if they know they will receive eye drops X, make arrangements beforehand for a friend or relative to drive them home B. The subjects in the hospital study generally rated their abilities more conservatively than they would if they were outside the framework of a scientific experiment C. Some people ask their doctors not to give them eye drops X that blur vision

vision if they will have to drive to get home afterward
D. The subjects in the study were also questioned about the time necessary to regain abilities that do not play an important role in driving safely

10	Question Image	A. 20 B. 24 C. 40 D. 96
11	If $a + b = 8$, $b + c = 9$, and $c + a = 11$, what is the average of a , b and c ?	A. $14/3$ B. $28/3$ C. $14/6$ D. $7/3$
12	What fractional part of a week is 98 hours ?	A. $7/98$ B. $7/12$ C. $1/20$ D. $1/7$
13	Fatima and Maryium each roll a sheet of 9×18 paper to form a cylinder. Fatima tapes the two 9-inch edge together and Maryium tapes the two 18-inch edge together. Refer to this question and tell which of the following statement is true ?	A. The volume of Fatima cylinder is greater than Maryium cylinder B. The volume of Fatima cylinder is less than Maryium cylinder C. The volume of Fatima cylinder is equal to the Maryium cylinder D. Both cylinders have the same circumference
14	If, in the class of 33, 3 are honor students, what part of the class are not honor students?	A. $89/100$ B. $9/10$ C. $10/11$ D. $9/10$
15	Although the new cochleae manufactured by Medotech will cost more than twice as much as the cochlear implants now in use, Medotech implants should still be cost-effective. Not only will surgery and recovery time be reduced, but Medotech cochlear replacements should last longer, thereby reducing the need for further hospital stays. Q:Which of the following must be studied in order to evaluate the argument presented above?	A. The amount of time a patient spends in surgery versus the amount of time spent recovering from surgery. B. The amount by which the cost of producing Medotech cochlear replacements has declined with the introduction of the new technique for producing them C. The degree to which the use of Medotech cochlear replacements is likely to reduce the need for repeat surgery when compared with the use of the replacements now in use. D. The degree to which the use of Medotech replacements are more carefully manufactured than are the replacements now in use
16	If 15 workers can paint a certain number of houses in 24 days, how many days will 40 workers take, working at the same rate, to do the same job ?	A. 12 days B. 18 days C. 15 days D. 9 days
17	The difference between the first two perfect squares that end with 9 is:	A. 11 B. 40 C. 30 D. 120
18	Question Image	A. 7 B. 15 C. 25 D. 35
19	If $x + 2y = 11$ and $2x + 3y = 17$ then y is?	A. 6 B. 5 C. 4 D. 3 E. 0
20	A number whose fifth part increased by 5 is equal to its fourth part diminished by 5, is:	A. 160 B. 180 C. 200 D. 220