

GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	Question Image	<p>A. 33π</p> <p>B. 24π</p> <p>C. 25π</p> <p>D. 11π</p>
2	One positive number is $\frac{2}{3}$ of the other and their product is 24. what is the sum of the two?	<p>A. 6</p> <p>B. 18</p> <p>C. 36</p> <p>D. 24</p> <p>E. 10</p>
3	<p>Wheat has more nutritional value than rye. But since oats have more nutritional value than rice, it follows that wheat has more nutritional value than rice.</p> <p>Q:Any of the following, if introduced into the argument as an additional premise, makes the argument above logically correct EXCEPT:</p>	<p>A. Wheat and oats have the same nutritional value</p> <p>B. Rye has more nutritional value than oats</p> <p>C. Rye has more nutritional value than rice</p> <p>D. Oats have more nutritional value than wheat</p>
4	If P is a negative integer and $p^2 + 11p = t$, a value of t could be	<p>A. 12</p> <p>B. 18</p> <p>C. -18</p> <p>D. 11</p>
5	The average of a, b, s, and t is 6 and the average of s and t is 3. What is the average of a and b?	<p>A. 3</p> <p>B. 18</p> <p>C. 9</p> <p>D. 12</p>
6	In figure 2, what is the area of $\triangle BED$?	<p>A. 16</p> <p>B. 14</p> <p>C. 12</p> <p>D. 6</p>
7	If $x/y = -1$, then $x + y =$	<p>A. 0</p> <p>B. 1</p> <p>C. y</p> <p>D. $2x$</p>
8	The greatest number which divides 2400 and 3600 leaving 48 and 60 respectively, as remainder is:	<p>A. 9</p> <p>B. 7</p> <p>C. 17</p> <p>D. 10</p>
9	Find the value of x if $3 : b = x : c$.	<p>A. $3b/c$</p> <p>B. $c/3b$</p> <p>C. $2c/3b$</p> <p>D. $3c/b$</p>
10	<p>Parents of some of the children in a particular class have claimed that the teacher is not objective and favors his male students with higher grades. But the record showed that 92% of the female students received a passing grade in this teacher's class. This record demonstrates that the teacher has not discriminated against women when assigning grades.</p> <p>Q:The argument above is flawed in that it ignored the possibility that.</p>	<p>A. A large number of the teacher's student were in his class the previous year</p> <p>B. Many teachers find it difficult to be objective when assigning grades to male and female students</p> <p>C. The evidence shows that more than 92% of the female students should have received a passing grade</p> <p>D. The majority of tests written by female students and that have been rechecked by another teacher were given a higher grade by the second teacher</p>
11	If $x > y$, then $(x - y)(x + y)$ is :	<p>A. equal to $(x - y)(x + y)$</p> <p>B. less than $(x - y)(x + y)$</p> <p>C. greater than $(x - y)(x + y)$</p> <p>D. options A and C</p>

12	If a circle is inscribed in a square of area 4, then the area of the circle is:	B. $\pi/2$ C. $\pi/4$ D. $3\pi/4$
13	Question Image	A. $2(2 + \sqrt{2})$ B. $4 + \sqrt{2}$ C. $2 + \sqrt{2}$ D. 4
14	<p>People should be held accountable for their own behavior, and if holding people accountable for their own behavior entails capital punishment, then so be it. However, no person should be held accountable for behavior over which he or she had no control.</p> <p>Q:Which of the following is the most logical conclusion of the argument above?</p>	A. People should not be held accountable for the behavior of other people B. People have control over their own behavior C. People cannot control the behavior of other people D. Behavior that cannot be controlled should not be punished
15	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
16	<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 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
17	When two dice are thrown simultaneously, what is the probability that the sum of the two numbers that turn up is less than 11?	A. 5/6 B. 11/12 C. 1/6 D. 1/12
18	If $5/6n = 60$, then $1/6n = ?$	A. 8 B. 10 C. 12 D. 50
19	A man was 26 years old when his daughter was born. Now, he is three times as old as his daughter. How many years old is the daughter now ?	A. 13 years B. 22 years C. 15 years D. 12 years
20	<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 $100/4^{100}$ Column B $100/4^{100}$</p>	A. A B. B C. C D. D