

GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	A solid metal cube of side 5 inches is placed in a rectangular tank whose length, breadth and height are 5, 6 and 7 inches, respectively. What is the volume in cubic units, of water that the tank can now hold ?	A. 210 cubic inches B. 85 cubic inches C. 125 cubic inches D. 216 cubic inches
2	Three times the first of three consecutive odd integers is 3 more than twice the third. What is the third integer ?	A. 11 B. 12 C. 15 D. 13
3	<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 The remainder when a positive integer is divided by 5.</p> <p>Column B 5</p>	A. A B. B C. C D. D
4	Question Image	A. 16 sq.cm B. 15 sq.cm C. 60 sq.cm D. None of these
5	The value of $x^2 + 5x + 6$ at $x = 2$ is?	A. 2 B. 20 C. 40 D. 10
6	<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 The product of the integers.</p> <p>Column B The average of the integers.</p>	A. A B. B C. C D. D
7	The average height of a class of 14 boys is 5.3 feet. A new boy is admitted to the class. The new average of height now becomes 5.25. What is the height of the new boy?	A. 4.55 B. 5.0 C. 6.0 D. 3.5
8	If C is the circumference of a circle of radius r, then which of the following statement is true ?	A. $C/r \leq 6$ B. $C/r = 6$ C. $C/r \geq 6$ D. $C/r = \pi$

9	Find the ratio of 18 inches to 2 yards.	A. $\frac{3}{4}$ B. $\frac{1}{4}$ C. $\frac{1}{5}$ D. $\frac{2}{5}$
10	Ayesha completed questions 4 - 18 of a mathematics exercise in 30 minutes. At this rate, how long, in minutes, will it take her to complete questions 27 - 55 ?	A. 59 B. 29 C. 30 D. 58
11	Question Image	A. 49 B. 39 C. 59 D. 69
12	A bag contains 20 marbles: 6 green, 10 brown, and 4 white. If one marble is removed randomly, what is the minimum number that must be removed to be certain that you have at least 2 marbles of each colour	A. 16 B. 18 C. 10 D. 15
13	Classical music occupies a unique and peculiar position in every culture. They are imperishable as cultural landmarks, but the emotions expressed in some of the folks are often superseded by newer tunes. However, the classics survive just as heritage, as imposing features of the society, yet unsuited for habitation unless remodeled. Q: The principal point put forth in the above passage is that classical works.	A. ignored by young generation B. is an obstacle in the development in new tunes C. Should be stored in museums D. Need our respect and admiration even if their tunes and ideas they express are no longer current
14	if $\frac{5}{x}$, $\frac{8}{x}$ and $\frac{13}{x}$ are all in lowest terms. Then how many integers, x between 30 and 40 ?	A. 5 B. 1 C. 2 D. 3
15	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. Column A Ab Column B a/b a = $-\frac{2}{3}$ and b = $\frac{3}{5}$	A. A B. B C. C D. D
16	Question Image	A. x only B. y only C. x and y only D. y and z only
17	In figure 2, what is the area of $\triangle BED$?	A. 16 B. 14 C. 12 D. 6
18	If the ratio of a : b is 9 : 7 then a + b is:	A. 14 B. 16 C. 63 D. not possible
19	Question Image	A. 89 B. 90.9 C. 89.9 D. 105
20	The surface area of a cube is 180, its volume is:	A. 125 B. 30 C. 164 D. $30\sqrt{30}$