

GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	If the sum of one third of a number and twice the same number is 28, the number is:	A. 10 B. 12 C. 28 D. 14
2	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 ?	A. $x - \frac{4}{3}$ B. $x + \frac{4}{3}$ C. $x + 4$ D. $x - 4$
3	Uzma is 15 years old. Asma is one third older then Uzma. How many years ago when Asma was twice as old as Uzma is ?	A. 5 B. 12 C. 15 D. 10
4	A soap factory has 30 packers. Each packer can load $\frac{1}{8}$ of a box in 9 minutes. How many boxes can be loaded in $1\frac{1}{2}$ hours by all 20 packers ?	A. 28 B. $37\frac{1}{2}$ C. 35 D. $35\frac{1}{2}$
5	The sum of integers p and q is 352. The units digits of p is 0. If p is divided by 10, the result is equal to q, what is the value of p ?	A. 30 B. 230 C. 320 D. 32
6	If the sum of two numbers is 36, and the larger is three times as larger as the smaller, what is the larger number ?	A. 27 B. 30 C. 15 D. 18
7	Saira weights 25 pounds more than Umbar. If together they weigh 205 pounds, what is the weight of Saira ?	A. 90 B. 105 C. 115 D. 135
8	Two-fifth of a certain number is 30. What is the number ?	A. 75 B. 25 C. 90 D. 150
9	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
10	If 5 is subtracted from a certain number, the result is 7 less than twice the number. What is the number ?	A. 2 B. $\frac{1}{2}$ C. 5 D. 6
11	For which values of p is $p^2 - 5p + 6$ negative ?	A. $p < 0$ B. $2 < p < 3$ C. $x > 3$ D. $x < 2$
12	Which of the following inequalities is the solution of the inequality $7a - 5 < 2a + 18$?	A. $a < 23$ B. $a > 13$ C. $a \leq 23$ D. $a \geq 13$
13	If $\frac{a}{2} - 2 > \frac{a}{3}$, then which of the following statement is true ?	A. $a < 12$ B. $a > 12$ C. $a = 12$ D. $a \geq 12$
14	In inequality $y > 3x - 2$ if $a > b$, then which of the following statement is true ?	A. $x = 1$ B. $x > 1$ C. $x < 1$ D. $x \geq 1$
15	The solution of the inequality $-1 < 5x - 6 \leq 4$ in whole number is	A. 1 B. 2 C. 4 D. 5

16	If $5x > 2$ and $12/2 x \leq 4$, list all the possible integral values of x ?	A. 2, 3, 4, 5, 6 B. 1, 2, 3, 4, 5, 6, 7, 8 C. 2, 3 D. 1
17	a has to be a whole number such that $0 \leq a \leq 10$. The solution for $a < 4$ and $a \geq 6$ is:	A. 5 B. 7 C. 3 D. no solution
18	If $6 - a > 7$, then	A. $a > 1$ B. $a > -1$ C. $a \leq -1$ D. $a \leq 1$
19	If $a < c$ and $a < b$, assume $a \geq 0$ then which of the following statements are always true ? i. $b < c$ ii. $a < bc$ iii. $2a < b + c$	A. only 1 B. only 2 C. only 3 D. 1 and 2
20	If $a = 1$ and $1 > b > 0$, then which of the following statement is true ?	A. $a = b$ B. $b > a$ C. $1/b > a$ D. $1/a \leq b$