

GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	What fractional part of a week is 98 hours ?	A. 7/98 B. 7/12 C. 1/20 D. 1/7
2	A chemical solution contains 8% of acid. If there is 15 ml of acid, what is the volume of the solution ?	A. 125.5 ml B. 187.5 ml C. 225.5 ml D. 171.5 ml
3	There are 20 boys in a class. Five of them are left-handed. What fraction of the class is left handed ?	A. 1/5 B. 1/2 C. 1/4 D. 2/11 E.
4	3/4 of 28 is equal to 30/7 of what number ?	A. 90 B. 45 C. 30 D. 56
5	If 4/13 of a number is 39, what is 8/13 of that number ?	A. 39/4 B. 78 C. 16 D. 39/8
6	$\frac{6}{6} \times \frac{6}{12} \times \frac{6}{18} \times \frac{6}{24} \times \frac{6}{30}$ equals:	A. 1/120 B. 1/2 C. 1/30 D. 1 E. None of these
7	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
8	The product of $\sqrt{24a}$ and $\sqrt{6a}$ is:	A. 12a B. $6a^{²}$ C. $12a^{²}$ D. $3a\sqrt{8}$
9	If length of a rectangular field is twice that of its width. What is the perimeter of the field if its area is 1152 m ² ?	A. 256 m B. 144 m C. 24 m D. 96 m
10	How many 1cm square pieces of paper can Rachael cut from a square sheet of paper with a side length of 2.1 m?	A. 22100 cm ^{<sup>2</sup>} B. 44100 cm ^{<sup>2</sup>} C. 27100 cm ^{<sup>2</sup>} D. 36100 cm ^{<sup>2</sup>}
11	A square lawn having area 0.25 sq km has to be enclosed with iron railings at the rate of Rs. 10100 per metre. What will be its cost ?	A. Rs. 20200 B. Rs. 2000 C. Rs. 202000 D. Rs. 100100
12	A rectangular field which is 10 times as long as its breadth has an area of 75690 sq m. What is its perimeter ?	A. 275 m B. 2750 m C. 1914 m D. 191 m
13	The difference between the first two perfect squares that end with 9 is:	A. 11 B. 40 C. 30 D. 120
14	An instructor having 9224 students under him, arranges them into a square and finds 8 students to be excess. What is the number of students in the front row?	A. 97 B. 88 C. 104 D. 96
15	The size of the square which can be made using 256 square shapes with a side length of 6 cm is:	A. 16 cm B. 36 cm C. 2.67 (approx) cm D. 16

		D. 96 cm
16	The product of 313 with itself is:	A. 97969 B. 17.69 C. 5536.97 D. 195938
17	What is the smallest number which when subtracted from 1.00060219 gives a perfect square number ?	A. 0.00210 B. 210 C. 0.00000210 D. 0.210
18	The cost of the planting sugarcane at the rate of 6 paisa per square meter is Rs. 5840.64. What is the length of side of this square field:	A. 312 m B. 622 m C. 97344 m D. 459 m
19	A rectangular field which is twice as long as it is broad, has an area of 14450 m^2 , what is its perimeter ?	A. 85 m B. 510 m C. 165 m D. 170 m
20	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