

GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	<p>Health club membership has increased dramatically over the last five years. In order to take advantage of this increase, Fitness Express plans to open more of the same types of classes available during the week, while continuing its already very extensive advertising in newspapers and on the radio.</p> <p>Q: Which of the following if true, provides most support for the view that Fitness Express cannot increase membership on its gyms by adopting the plan outlined above?</p>	<p>A. Although it fills of the classes it opens, Fitness Express's share of all health club memberships has declined over the last five years</p> <p>B. Fitness Express number of classes offered to their clients has declined slightly over the last year</p> <p>C. Advertising has made the name of Fitness Express widely known, but few customers know that Fitness Express health clubs also off acupuncture and shiatsu treatments</p> <p>D. Despite a slight decline in membership price, sales of Fitness Express memberships have fallen in the last five years</p>
2	<p>In his wardrobe, Tahir has 3 trousers. One of them is black, the second blue, and the third brown. In his wardrobe, he also has 4 shirts. One of them is black and other 3 are white. He open his wardrobe in the dark and picks out one shirt - trouser pair, without examining the color. What is the likelihood that neither the shirt the trouser is black?</p>	<p>A. 1/12</p> <p>B. 1/6</p> <p>C. 1/4</p> <p>D. 1/3</p> <p>E. 1/2</p>
3	<p>Question Image <input type="text"/></p>	<p>A. 400</p> <p>B. 375</p> <p>C. 600</p> <p>D. 800</p>
4	<p>Question Image <input type="text"/></p>	<p>A. 20</p> <p>B. 40</p> <p>C. 60</p> <p>D. 30</p>
5	<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.</p> <p>B. If the quantity in column B is greater.</p> <p>C. If the two quantities are equal.</p> <p>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 ac</p> <p>Column B Bc</p> <p>Abc = 0 a > b</p>	<p>A. A</p> <p>B. B</p> <p>C. C</p> <p>D. D</p>
6	<p>A bag has 7 marbles, one of each of colours, green, blue, brown, yellow, red, white and pink. If 6 marbles are removed from the bag, what is the probability that the red one was removed ?</p>	<p>A. 1/7</p> <p>B. 4/3</p> <p>C. 2/7</p> <p>D. 6/7</p>
7	<p>If circumference of a circle is 3π, then its area is:</p>	<p>A. $7\pi/2$</p> <p>B. $9\pi^{>2}</sup>$</p> <p>C. $4\pi^{>2}</sup>$</p> <p>D. $9\pi/4$</p>
8	<p>If the area of a circle is 81π, then its circumference is:</p>	<p>A. 61π</p> <p>B. 20π</p> <p>C. 18π</p> <p>D. 16π</p>
		A. 3455

9	The least number which when divided by 35, leaves remainder of 25; when divided by 45 leaves a remainder of 35 and when divided by 55 leaves 45 as remainder, is:	B. 3465 C. 3475 D. 10
10	A worker is paid R rupees per hours for the first 8 hours daily. For every hour after the first 8 hours, she is paid S rupees per hour. If she works 12 hours in one day, what is her average hourly for the day ?	A. $8R + S$ B. $8R + 4S/4$ C. $12R - 8S/4$ D. $2R + S/3$
11	The area of an equilateral triangle whose altitude is 10, is:	A. $8\sqrt{3}$ B. $2\sqrt{3}$ C. $96\sqrt{3}$ D. $4\sqrt{3}$
12	If $(36)(?)(7) - 21$ then ? equals	A. $21/43$ B. $1/42$ C. $1/12$ D. $1/11$
13	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
14	The population of 8 villages is 900, 750, 1100, 1050, 835, 1250, 555 and 630. Find the population of ninth village if the average population of nine villages is 900.	A. 1200 B. 1065 C. 1030 D. 1800
15	What is the average of first hundred natural numbers ?	A. 50 B. 50.5 C. 49.5 D. 100
16	Yesterday Sagher earned Rs. 100 less than Bilal, and today Sagher earned Rs.75 more than Bilal. Which of the following must be true about Sagher's total earnings for the two days compared to Bilal's?	A. Sagher earned $3/4$ of what Bilal earned B. Sagher earned \$17.50 more than Bilal C. Sagher earned \$2.50 more than Bilal D. Sagher earned \$25 less than Bilal
17	The slope of the line passing through $(-b, b)$ and $(3b, a)$ is 1 and $b \neq 0$, which of the following is an expression for a in terms of b ?	A. $1/4b$ B. $3b$ C. $5b$ D. $2b$ E. $4b$
18	A man present age is x years. If his age in 8 years will be $4/5$ of what it will be in 20 years, then his present age is:	A. 45 B. 25 C. 30 D. 40
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	The surface area of a cube is 180, its volume is:	A. 125 B. 30 C. 164 D. $30\sqrt{30}$