

GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
	<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 amount of rain that falls in 1 month in Punjab. Column B The amount of rain that falls in 2 months in Punjab.</p>	<p>A. A B. B C. C D. D</p>
1		
2	One sixth of a day is what part of the time between 3 p.m. Monday and 3 p.m. Thursday of the same week?	<p>A. 1/10 B. 1/18 C. 1/15 D. 1/12</p>
3	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 B. 18 C. 36 D. 24 E. 10</p>
4	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:	<p>A. 312 m B. 622 m C. 97344 m D. 459 m</p>
5	$\frac{5}{8}$ of 24 is equal to $\frac{15}{7}$ of what number ?	<p>A. 15 B. 105 C. 35 D. 7</p>
6	<p>Activity levels of the green iguana vary in cycles that are repeated every 24 hours. It is logical to assume that alteration in the intensity of incident light is the stimulus that controls these daily biological rhythms. But there is much evidence to contradict this hypothesis. Q: Which of the following, if known, is evidence that contradicts the hypothesis stated above?</p>	<p>A. The temperature of the green iguana varies throughout the day, with the maximum occurring in the late afternoon and the minimum in the morning B. While some animals, such as the rabbit, are much more active during the day, others, such as moles, show greater activity at night C. When animals are transported from one time zone to another, their daily biological rhythms adjust in a matter of days to the periods of sunlight and darkness in the new zone D. Even when exposed to constant light intensity around the clock, some iguanas display rates of activity that are much greater during daylight hours than at night.</p>
7	If the height of a cylinder is double to its circumference, what is the volume of the cylinder in terms of its circumference, C ?	<p>A. C/π B. C^3/π C. $C^3/4\pi^2$ D. $C^3/2\pi$</p>
8	Question Image	<p>A. 20π B. 70π C. 100π D. 110π</p>
9	Question Image	<p>A. 24 B. 30 C. 36 D. 48</p>

		<p>C. 35</p> <p>D. 36</p>
10	If x and y are positive integers and $x^2 + 2y^2 = 41$, $2x^2 + y^2 = 34$, then $x^2 =$	<p>A. 6</p> <p>B. 8</p> <p>C. 75</p> <p>D. 9</p>
11	$\frac{3}{4}$ of 28 is equal to $\frac{30}{7}$ of what number ?	<p>A. 90</p> <p>B. 45</p> <p>C. 30</p> <p>D. 56</p>
12	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?	<p>A. 4.55</p> <p>B. 5.0</p> <p>C. 6.0</p> <p>D. 3.5</p>
13	If $\frac{1}{x-y} = 7$, then $x =$	<p>A. $\frac{1}{x} + \frac{1}{7}$</p> <p>B. $\frac{1}{x} - \frac{1}{7}$</p> <p>C. $\frac{1}{7} - \frac{1}{x}$</p> <p>D. $\frac{1}{x} - \frac{1}{7}$</p>
14	If $2x - 3 = 15$, what is the value of $(2x - 3)^2$?	<p>A. 81</p> <p>B. 227</p> <p>C. ± 225</p> <p>D. 225</p>
15	If x is a positive number, then 50 percent 10x equals	<p>A. 2x</p> <p>B. 4x</p> <p>C. 20x</p> <p>D. 5 x</p>
16	Question Image	<p>A. 100</p> <p>B. 60</p> <p>C. 30</p> <p>D. 110</p>
17	The surface area of a cube is 180, its volume is:	<p>A. 125</p> <p>B. 30</p> <p>C. 164</p> <p>D. $30\sqrt{30}$</p>
18	How many whole bricks $6 \times 12 \times 24 \text{ cm}^3$ will be sufficient to construct a solid cube of minimum size ?	<p>A. 4</p> <p>B. 6</p> <p>C. 8</p> <p>D. 12</p>
19	<p>Unreported underground industries get no productivity support from the government. On the other hand, some industries that are run entirely by self-employed industrialists are included in national productivity measures.</p> <p>Q: From the information given above, it can be validly concluded that</p>	<p>A. All self-employed industries are under ground</p> <p>B. Underground industries should be banned because of their low productivity</p> <p>C. there are at least some industries other than those run entirely by self-employed industrialists that are underground industries</p> <p>D. Underground industries should be merged in large industries</p>
20	A rectangular field which is 10 times as long as its breadth has an area of 75690 sq m. What is its perimeter ?	<p>A. 275 m</p> <p>B. 2750 m</p> <p>C. 1914 m</p> <p>D. 191 m</p>