

## GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	In a squash tournament that has 75 entrants, a player is eliminated whenever he loses a match. How many matches will be played in the entire tournament ?	<p>A. 74</p> <p>B. 18</p> <p>C. 34</p> <p>D. 36</p>
2	<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><b>Column A</b> Ab</p> <p><b>Column B</b> a/b</p> <p>a = - 2/3 and b = 3/5</p>	<p>A. A</p> <p>B. B</p> <p>C. C</p> <p>D. D</p>
3	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 ?	<p>A. 1/4b</p> <p>B. 3b</p> <p>C. 5b</p> <p>D. 2b</p> <p>E. 4b</p>
4	Asim had an average of 60 on his first four math tests. After taking the next test, his average dropped to 58. Find his recent test grade.	<p>A. 40</p> <p>B. 50</p> <p>C. 48</p> <p>D. 32</p>
5	Question Image	<p>A. 54</p> <p>B. 72</p> <p>C. <math>4 + \sqrt{3}</math></p> <p>D. <math>12(4 + \sqrt{3})</math></p>
6	a has to be a whole number such that $0 \leq a \leq 10$ . The solution for $a < 4$ and $a \geq 6$ is:	<p>A. 5</p> <p>B. 7</p> <p>C. 3</p> <p>D. no solution</p>
7	Twice the age of son is 4 year more than the age of his father. What is the age of the son if father is of 40?	<p>A. 22</p> <p>B. 20</p> <p>C. 18</p> <p>D. 16</p> <p>E. 14</p>
8	<p>Bus Company President: A city councilman has stated his objection to the claim that the city buses are dangerous. This is clearly untrue. None of the new buses in use has ever crashed or even had a serious malfunction. City councilman: The problem with the new buses is not that they malfunction, but that they are no flamboyantly painted that other drivers on the road are distracted and this may cause accidents.</p> <p>Q: The councilman responds to the bus company president by doing which of the following?</p>	<p>A. Characterizing the bus company president's assertion as stemming from subjective interest rather than from objective evaluation of the facts</p> <p>B. Drawing attention to the fact that the bus company president's interpretation of the word "dangerous" is too narrow</p> <p>C. Invoking evidence that the bus company president has explicitly dismissed as irrelevant the point at issue</p> <p>D. Citing statistical evidence that refutes the bus company president's claim</p>
9	Question Image	<p>A. <math>100\sqrt{2}</math></p> <p>B. <math>60\sqrt{2}</math></p>

		<p>C. <math>30^0</math></p> <p>D. <math>110^0</math></p>
10	If the area of a circle is $81\pi$ , then its circumference is:	<p>A. <math>61\pi</math></p> <p>B. <math>20\pi</math></p> <p>C. <math>18\pi</math></p> <p>D. <math>16\pi</math></p>
11	If 15 workers can paint a certain number of houses in 24 days, how many days will 40 workers take, working at the same rate, to do the same job ?	<p>A. 12 days</p> <p>B. 18 days</p> <p>C. 15 days</p> <p>D. 9 days</p>
12	Which of the following is equal to $(3^8 \times 3^9)^{10}$ ?	<p>A. <math>3^{720}</math></p> <p>B. <math>3^{170}</math></p> <p>C. <math>3^{27}</math></p> <p>D. <math>3^{98}</math></p>
13	If a train travels $\frac{5}{6}$ mile in $1\frac{1}{4}$ minutes, how many miles will it travel in 1 hour?	<p>A. 20 miles</p> <p>B. 50 miles</p> <p>C. 40 miles</p> <p>D. 30 miles</p>
14	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 ?	<p>A. 28</p> <p>B. <math>37\frac{1}{2}</math></p> <p>C. 35</p> <p>D. <math>35\frac{1}{2}</math></p>
15	A total of 60 drawing note books were sold. If 20 percent of the first 20 sold were in color, 40 percent of the next 30 sold were in color, and 80 percent of the last 10 sold were in color, what percent of the 60 note books were in color?	<p>A. 30%</p> <p>B. 40%</p> <p>C. 60%</p> <p>D. 20%</p>
16	In figure 2, what is the perimeter of $\triangle BED$ ?	<p>A. <math>3 + \sqrt{93}</math></p> <p>B. 11</p> <p>C. <math>11 + \sqrt{97}</math></p> <p>D. 81</p>
17	The surface area of sphere of radius $3\frac{1}{2}$ cm is:	<p>A. 130 sq.cm</p> <p>B. 69 sq.cm</p> <p>C. 154 sq.cm</p> <p>D. 98 sq.cm</p>
18	The smallest member of set W is:	<p>A. 0</p> <p>B. 1</p> <p>C. 2</p> <p>D. 3</p>
19	<p>Wheat has more nutritional value than rye. But since oats have more nutritional value than rice, it follows that wheat has more nutritional value than rice.</p> <p>Q: Any of the following, if introduced into the argument as an additional premise, makes the argument above logically correct EXCEPT:</p>	<p>A. Wheat and oats have the same nutritional value</p> <p>B. Rye has more nutritional value than oats</p> <p>C. Rye has more nutritional value than rice</p> <p>D. Oats have more nutritional value than wheat</p>
20	If $\frac{5}{6}n = 60$ , then $\frac{1}{6}n = ?$	<p>A. 8</p> <p>B. 10</p> <p>C. 12</p> <p>D. 50</p>