

GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	The surface area of sphere of radius $3\frac{1}{2}$ cm is:	A. 130 sq.cm B. 69 sq.cm C. 154 sq.cm D. 98 sq.cm
2	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed to plow the field in 5 hours?	A. 32 B. 4 C. 16 D. 8
3	The greatest number which exactly divides 1155 and 735 is:	A. 25 B. 5 C. 15 D. 105
4	A recent survey in country X found that more VCRs than videotapes were purchased by its citizens last year. The best interpretation of this finding is that the practice of illegally duplicating commercial videotapes is widespread. Q: Which of the following, if true, would cast doubt on the conclusion above?	A. Very few VCR owners in country X have their own videotapes B. There are few free noncommercial videotapes available in country X C. The government of country X regularly copies and distributes material it considers to be classic content videotape free of charge, and to which the country owns copying and distribution rights D. The typical country X VCR does not purchase commercial videotapes in other countries
5	The sum of integers p and q is 352. The units digit 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	Harper's Pencils manufactures and sells the same pencils as Johnson's Supply. Employee wages account for forty percent of the cost of manufacturing pencils at both factories. Harper's is seeking a competitive edge over Johnson's supply. Therefore, to promote this end, Harper's should lower employee wages. Q: Which of the following, if true, seriously weakens the argument above?	A. Because they make a small number of specialty artist's pencils, pencil manufacturers cannot receive volume discounts on raw materials B. Lowering wages would reduce the quality of employee work and this reduced quality would lead to lowered sales C. Harper's Pencils has taken away twenty percent of Johnson's Supply business over the last year D. Johnson's Supply pays its employees, on average, ten percent more than does Harper's Pencils
7	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 $\frac{3}{4}$ 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
8	What is the ratio of the circumference of a circle to its radius?	A. π B. $\frac{\pi}{2}$ C. $2\pi r$ D. 2π
9	Twice the age of son is 4 years more than the age of his father. What is the age of the son if father is 40?	A. 22 B. 20 C. 18 D. 16 E. 14
10	$\frac{3}{8}$ of a number is 10. What is the number?	A. 91 B. 81 C. 23 D. 27
11	If a square of area 3 is inscribed in a circle, then the area of the circle is:	A. $\frac{9}{4}\pi$ B. $9\pi^{2\frac{2}{3}}$ C. $\frac{9}{2}\pi$

		<p>C. $\frac{5}{11}$</p> <p>D. $\sqrt{3} \pi$</p>
12	<p>My neighbor's dogs bark and howl every time their owner lets them outside. My CPA told me that dogs tend to bark and howl when they see birds resting in the top branches of their favorite trees. I personally believe they bark and howl because they enjoy disrupting my meditations.</p> <p>Q: Which of the following conclusions can be properly drawn from the preceding passage?</p>	<p>A. The dogs must be abused by their owners</p> <p>B. There are many pedestrians who walk by this neighbor's house, and the dogs are starving for attention</p> <p>C. The dogs frequently see birds in the tops of their favorite trees</p> <p>D. The dogs will bark and howl at 3 a.m. if they are outside at that time</p>
13	<p>Question Image</p>	<p>A. 60</p> <p>B. 40</p> <p>C. 24</p> <p>D. 36</p>
14	<p>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>	<p>A. $\frac{1}{10}$</p> <p>B. $\frac{1}{18}$</p> <p>C. $\frac{1}{15}$</p> <p>D. $\frac{1}{12}$</p>
15	<p>Question Image</p>	<p>A. $2(2 + \sqrt{2})$</p> <p>B. $4 + \sqrt{2}$</p> <p>C. $2 + \sqrt{2}$</p> <p>D. 4</p>
16	<p>There are 28 players in a college cricket team. What is the probability that at least 3 of them have their birthday in the same month?</p>	<p>A. 0</p> <p>B. $\frac{1}{5}$</p> <p>C. 1</p> <p>D. $\frac{1}{2}$</p>
17	<p>If the L.C.M and H.C.F of two numbers are 150 and 30 respectively, and one of the numbers is 18, find the other number?</p>	<p>A. 250</p> <p>B. 180</p> <p>C. 150</p> <p>D. 170</p>
18	<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 The number of primes between 40 and 50.</p> <p>Column B The number of primes between 60 and 70</p>	<p>A. A</p> <p>B. B</p> <p>C. C</p> <p>D. D</p>
19	<p>Ali purchased some goldfish. During the first week, $\frac{1}{5}$ of them died, and during the second week, $\frac{3}{8}$ of those still alive at the end of the first week died. What is the fraction of the original goldfish still alive after two weeks?</p>	<p>A. $\frac{1}{2}$</p> <p>B. $\frac{3}{2}$</p> <p>C. $\frac{5}{2}$</p> <p>D. $\frac{4}{3}$</p>
20	<p>Although most of the lucrative jobs in Pakistan will require a college degree, many of the new jobs require knowledge other than that gained in college or university. For workers in those jobs, good basic skills in reading, communication, and mathematics play an important role in getting a job and developing a career.</p> <p>Q: From the information given above it can be validly concluded that, in today's economy.</p>	<p>A. Employment agencies should conduct communication and mathematics classes</p> <p>B. All colleges and universities are worthless</p> <p>C. People should train their children for technical work</p> <p>D. Skills in reading, communication, and mathematics play an important role in developing a successful career</p>