

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

Sr	Questions	Answers Choice
1	The average of even integers from 2 to 100 inclusive is:	A. 49 B. 52 C. 51 D. 50
2	Question Image <input type="text"/>	A. 144 B. 169 C. 100 D. 64
3	What is the value of $x^2 + 14x + 24$ , when $x=854$ ?	A. 1000 B. 100,000 C. 741,296 D. 742,398
4	Of the following, which value of x produces the greatest value of f(x)?	A. -2 B. -1 C. 1 D. 2 E. 3
5	$\frac{3}{8}$ of a number is 10. What is the number ?	A. 91 B. 81 C. 23 D. 27
6	<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><b>Column A</b> a <b>Column B</b> b (<math>82a = 43b</math>)</p>	A. A B. B C. C D. D
7	<p>Stock analyst: "We believe Company A's stock will appreciate at 35% a year for the next 5 to 7 years. Company A just became the leader in its industry and we expect its sales to grow at 8% a year." Commentator: "But how can the stock's price be expected to grow more quickly than the company's underlying sales?"</p> <p>Q: Which of the following, if true, would best support the stock analyst's prediction?</p>	A. The company's expenses will be declining over the next 5 to 10 years B. The company just won a patent on a new product C. The 5 to 7 year time frame is too long for anyone to accurately forecast D. Company A's industry peer group is expected to experience stock appreciation rates of 30% over the same time horizon
8	<p>The cost of manufacturing sports shoes in Macao is 25% less than the cost of manufacturing them in the Philippines. Even after transportation fees and tariff charges are added, it is still cheaper for a company to import sport shoes from Macao to the Philippines than to manufacture sports shoes in the Philippines.</p> <p>Q: The statements above, if true, best support which of the following assertions?</p>	A. Labor costs in Macao are 25% below those in the Philippines B. Importing sports shoes from Macao to the Philippines will eliminate 25% of the manufacturing jobs in the Philippines C. The tariff on sports shoes imported from Macao to the Philippines is less than 25% of the cost of manufacturing sports shoes in the Philippines D. The fee for transporting a pair of sports shoes from Macao to the Philippines is more than 25% of

the Philippines is more than 25% of cost of manufacturing the shoes in Macao

9 If  $5x > 2$  and  $12/2 x \leq 4$ , list all the possible integral values of  $x$  ?  
A. 2, 3, 4, 5, 6  
B. 1, 2, 3, 4, 5, 6, 7, 8  
C. 2, 3  
D. 1

10 If  $a > 0$ ,  $b > 0$  and  $a - b < 0$ , then ?  
A.  $a < b$   
B.  $a + b < 0$   
C.  $a > b$   
D.  $b - a < 0$

11   
A. 54  
B. 72  
C.  $4 + \sqrt{3}$   
D.  $12(4 + \sqrt{3})$

12 In inequality  $y > 3x - 2$  if  $a > b$ , then which of the following statement is true ?  
A.  $x = 1$   
B.  $x > 1$   
C.  $x < 1$   
D.  $x \geq 1$

13 Which of the following inequalities is the solution of the inequality  $7a - 5 < 2a + 18$  ?  
A.  $a < 23$   
B.  $a > 13$   
C.  $a \leq 23$   
D.  $a \geq 13$

14 Which is the greatest?  
A.  $4/9$   
B.  $5/11$   
C.  $8/15$   
D.  $9/17$

15   
A. 200  
B. 220  
C. 210  
D. 190

16 If 5 is subtracted from a certain number, the result is 7 less than twice the number. What is the number ?  
A. 2  
B.  $1/2$   
C. 5  
D. 6

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- 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.

17 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.  
A. A  
B. B  
C. C  
D. D

**Column A**

$(3^0)(9^1)$

**Column B**

27

18 If  $a$  is 20% of  $b$ , and  $b$  is 75% of  $c$ , then  $a$  is what percent of  $c$ ?  
A. 15  
B. 55  
C. 95  
D. 40

19 What is the area of the parallelogram ABCD ?  
A. 24  
B. 21  
C. 29  
D. 28

20  $4/9$  of a number is 12. What is the number ?  
A. 27  
B. 36  
C. 18  
D. 16