

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

Sr	Questions	Answers Choice
1	Question Image	A. 70<sup>o</sup> B. 60<sup>o</sup> C. 75<sup>o</sup> D. 65<sup>o</sup>
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.            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>            x  <b>Column B</b>            5</p> <p><math>1/x = 5</math></p>	A. A B. B C. C D. D
3	The least number which when divided by 12, 15 and 18 leaves 5 as remainder in each case is:	A. 180 B. 175 C. 185 D. 125
4	If it takes 10 minutes to walk $\frac{3}{7}$ mile, how many minutes will it take to walk the rest of the mile?	A. 2 $\frac{1}{3}$ B. 13 $\frac{1}{3}$ C. 4 $\frac{2}{7}$ D. 30
5	<p>A legislator proposes that communities should therefore be required to adopt filtering systems and to reach the target of filtering 50 percent of all tap water within 5 years.</p> <p>Q: Which of the following, if true, most seriously calls into question the advisability of implementing the proposal?</p>	A. Existing filtering systems programs have been private and voluntary, with citizen participation ranging from 25 percent in some communities to 70 percent in others B. Existing filtering programs have been restricted to the tap water that is ingested by humans C. Existing filtering programs have had recurrent difficulties selling their filtering systems privately usually because the quantities filtered are too small to be affordable for most families D. Some of the materials filtered out of the water are materials that can be used for other purposes E.
6	A candy recipe calls for 5 parts milk, 4 parts cocoa, 4 parts syrup, 2 parts sugar, and 1 part 1 butter. If you use 8 ounces of milk, how many ounces of candy mixture can you make?	A. 25 $\frac{3}{5}$ B. 5 $\frac{3}{5}$ C. 20 D. 128
7	In a psychological experiment conducted at South Bay University, groups of men with various levels of education read stories in which people caused harm, some of them doing so intentionally, and some accidentally. When asked about appropriate penalization for those who had caused harm, the less educated men, unlike the educated ones, assigned punishments that did not vary according to whether the harm was done intentionally or accidentally. Uneducated men, then, do not regard people's intentions as relevant to penalization.	A. In these stories, the severity of the harm produced was clearly stated B. In interpreting these stories, the listeners had to draw on a relatively feminine sense of human psychology in order to tell whether harm was produced intentionally or accidentally C. Relatively uneducated men are as likely to produce harm unintentionally as are more educated men D. The more educated men assigned

Q:Which of the following, if true, would most seriously weaken the conclusion above?

D. The more educated men assigned penalization in a way that closely resembled the way women had assign penalization in a similar experiment

8

Question Image

- A. 20
- B. 70
- C. 100
- D. 110

9

If  $\frac{4}{13}$  of a number is 39, what is  $\frac{8}{13}$  of that number ?

- A.  $\frac{39}{4}$
- B. 78
- C. 16
- D.  $\frac{39}{8}$

10

Jafer drew a square. He then erased it and drew a second square whose sides were 3 times the sides of the first square. By what percent was the area of the square increased ?

- A. 300%
- B. 800%
- C. 400%
- D. 200%

11

If A(3, 2) and B(7, 2) are two vertices of a rectangle, which of the following could not be the another vertices of that rectangle ?

- A. (3, 7)
- B. (7, 3)
- C. (3, -7)
- D. (-3, 7)

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12

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- A. A
- B. B
- C. C
- D. D

Column A

$(-12)^n$

Column B

$(-12)^{n+1}$

(n is a positive integer)

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- A. A
- B. B
- C. C
- D. D

**Column A**

$\frac{17}{1/17}$

**Column B**

1

14

Find the value of x if  $3 : b = x : c$ .

- A.  $\frac{3b}{c}$
- B.  $\frac{c}{3b}$
- C.  $\frac{2c}{3b}$
- D.  $\frac{3c}{b}$

15

If  $a = -5$  and  $b = 3$  then  $-a^2 b^3$  is:

- A. less than 0
- B. equal to 0
- C. greater than 0
- D. options B and C

16

The average of the polynomials,  $2x^2 + 5x - 6$ ,  $5x^2 - 5x - 6$  and  $30 - 7x^2$  is:

- A. 14
- B. 18
- C. 6
- D.  $5 - x$

17	When 42 is added to twice a number, the result is 346, the number is:	B. 242 C. 152 D. 265
18	The sum of integers p and q is 352. The units digits 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
19	Question Image <input type="text"/>	A. $2 + \sqrt{2}$ B. $4 + \sqrt{2}$ C. $4(1 + \sqrt{2})$ D. $16(1 + \sqrt{2})$
20	Question Image <input type="text"/>	A. 35 B. 45 C. 55 D. 40