

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

Sr	Questions	Answers Choice
1	Suzuki comes in 5 models, 8 colors, and 3 sizes. How many Suzuki must the local dealer have on hand in order to have one of each kind available?	A. 24 B. 120 C. 16 D. 39
2	Three times the first of three consecutive odd integers is 3 more than twice the third. What is the third integer ?	A. 11 B. 12 C. 15 D. 13
3	A poster in an eye clinic advises people, who have received eye drops X that blur vision, refrain from driving until they can do so safely. In a Gov't initiated hospital study, however, subjects questioned immediately after they received such drops and underestimated the time necessary to regain their driving ability. This result indicates that many people with eye drops X will be unlikely to follow the advice. Q: Which of the following, if true, most strongly supports the argument above?	A. Many people, if they know they will receive eye drops X, make arrangements beforehand for a friend or relative to drive them home B. The subjects in the hospital study generally rated their abilities more conservatively than they would if they were outside the framework of a scientific experiment C. Some people ask their doctors not to give them eye drops X that blur vision if they will have to drive to get home afterward D. The subjects in the study were also questioned about the time necessary to regain abilities that do not play an important role in driving safely
4	Question Image	A. $2 + \sqrt{2}$ B. $4 + \sqrt{2}$ C. $4(1 + \sqrt{2})$ D. $16(1 + \sqrt{2})$
5	If $81^{10} = 3^{x-7}$ , what is the value of x ?	A. 47 B. 27 C. 51 D. 14
6	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.  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.  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.  <b>Column A</b> $a + b$ <b>Column B</b> 15  (a and b are positive integers $ab = 21$ )	A. A B. B C. C D. D
7	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.  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.  Notes: Sometimes, in certain question, information concerning one or both the	A. A B. B C. C D. D

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D. D

**Column A**

13/14 of 15/16

**Column B**

16/17

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.

- 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.

8

Notes: Sometimes, in certain questions, 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**

The product of the integers

**Column B**

The average of the integers

The sum of 5 consecutive integers is 0

9

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 ?

- A. 250
- B. 180
- C. 150
- D. 170

10

Excavations on the now uninhabited isle of Kelton reveal a scene typical of towns decimated by volcanic ash. Archaeologists have hypothesized that the destruction was due to volcanic activity known to have occurred in the vicinity of the island in 160 B. C.

Q: Which of the following, if true, most strongly supports the archaeologist's hypothesis?

- A. No coins minted after 160 B.C. were found in Kelton, but coins minted before that year were found in abundance
- B. Pieces of gold and pearl jewelry that are often found in graves dating from years preceding and following 160 B.C. were also found in several graves on the island.
- C. Most modern histories of the region mention that several major volcanic eruptions occurred near the island in 160 B.C.
- D. Several small jugs carved in styles popular in the region in the century between 200 B.C. and 100 B.C. were found in Kelton

11

If 60% of A is 30% of B, then B is what percent of A ?

- A. 300%
- B. 30%
- C. 200%
- D. 3%

12

The number which is divisible by 7 but not by 14 is :

- A. 21
- B. 12
- C. 71
- D. None of these

13

$3-7 =$

- A. -7
- B. 7
- C. -4
- D. 4

14

In a school of 820 students, 55% are boys. The number of girls and the number of boys are:

- A. 369 boys, 451 girls
- B. 281 boys, 539 girls
- C. 539 boys, 281 girls
- D. 451 boys, 369 girls

15

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.

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

- 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 penalization in a way that closely

penalization in a way that closely resembled the way women had assign penalization in a similar experiment

16	Parents of some of the children in a particular class have claimed that the teacher is not objective and favors his male students with higher grades. But the record showed that 92% of the female students received a passing grade in this teacher's class. This record demonstrates that the teacher has not discriminated against women when assigning grades. Q: The argument above is flawed in that it ignored the possibility that.	A. A large number of the teacher's student were in his class the previous year B. Many teachers find it difficult to be objective when assigning grades to male and female students C. The evidence shows that more than 92% of the female students should have received a passing grade D. The majority of tests written by female students and that have been rechecked by another teacher were given a higher grade by the second teacher
17	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
18	If the ratio of a : b is 9 : 7 then a + b is:	A. 14 B. 16 C. 63 D. not possible
19	What is the area of the triangle AEC, in the above figure 1 ?	A. 12 B. 49 C. 14 D. 21
20	A man present age is x years. If his age in 8 years will be 4/5 of what it will be in 20 years, then his present age is:	A. 45 B. 25 C. 30 D. 40