

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

Sr	Questions	Answers Choice
1	<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 <b>Column B</b> 15</p> <p>(a and b are positive integers <math>ab = 21</math>)</p>	<p>A. A            B. B            C. C            D. D</p>
2	<p>Reporter: H &amp; B Co. has misled its clients by promoting some Egyptian porcelain figurines as rare; in fact those pieces are relatively commonplace. H &amp; B Representative: That is absurd! H &amp; B is the largest antique dealer in the country. We authenticate the figurines we sell through a nationally recognized firm.</p> <p>Q: The H &amp; B Representative's reply is most vulnerable to the criticism that it .</p>	<p>A. exaggerates the H &amp; B Representative's claims in order to make them appear absurd            B. accuses the H &amp; B Representative of bias but presents no evidence to support that accusation            C. fails to establish that other antique dealers do not also authenticate the figurines those dealers sell            D. lists strengths of H &amp; B while failing to address the representative's charge</p>
3	<p>If <math>p^2 - q^2 = 48</math> and <math>p - q = 12</math>, what is the average of p and q ?</p>	<p>A. 4            B. 6            C. 2            D. 12</p>
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5	<p>A machine produces 1280 parts in 16 hours. How many parts would it make in a working week of 44 hours ?</p>	<p>A. 2530            B. 3520            C. 2122            D. 3960</p>
6	<p>A soap factory has 30 packers. Each packer can load <math>\frac{1}{8}</math> of a box in 9 minutes. How many</p>	<p>A. 28            B. <math>37 \frac{1}{2}</math>            C. 30            D. 36</p>

-	boxes can be loaded in 1 1/2 hours by all 20 packers ?	C. 35 D. 35 1/2
7	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.	A. 40 B. 50 C. 48 D. 32
8	Question Image	A. 120 B. 60 C. 90 D. 30
9	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
10	The value of $x^2 + 5x + 6$ at $x = 2$ is?	A. 2 B. 20 C. 40 D. 10
11	What is the smallest number which when subtracted from 1.00060219 gives a perfect square number ?	A. 0.00210 B. 210 C. 0.00000210 D. 0.210
12	Question Image	A. I only B. II only C. IV only D. I, II, IV
13	Question Image	A. 50 B. 75 C. 25 D. 65
14	A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days?	A. 576/x B. 48/5x C. 24/x D. 576/5x
15	Question Image	A. 2 B. 4 C. $2\sqrt{2}$ D. $4\sqrt{2}$
16	The product of $\sqrt{24a}$ and $\sqrt{6a}$ is:	A. 12a B. $6a^2$ C. $12a^2$ D. $3a\sqrt{8}$
17	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?	A. 30% B. 40% C. 60% D. 20%

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

### Column A

a

**Column B**

b

$(82a = 43b)$

19

Mohin is now three times Mohsin age. Four years from now Mohin will be  $y$  years old. In terms of  $y$ , how old will Mohsin be ?

A.  $\frac{y}{3} - \frac{4}{3}$

B.  $\frac{y}{3} + \frac{4}{3}$

C.  $\frac{y}{3} + 4$

D.  $\frac{y}{3} - 4$

20

Naghmana has 4 shirts of red, blue, green, and brown colors. She also has 3 trousers of black, brown, and white colors. How many different shirt trouser combinations can she wear, if she has decided to wear the white trouser?

A. 4

B. 6

C. 8

D. 12

E. 24