

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>Column A Value of x when N = 1 Column B Value of x when N = 3</p> <p>$(x = 3^N/N)$</p>	<p>A. A B. B C. C D. D</p>
2	<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>
3	<p>The solution of the inequality $-1 < 5x - 6 \leq 4$ in whole number is</p>	<p>A. 1 B. 2 C. 4 D. 5</p>
4	<p>Acme brand aspirin claims to be the best headache relief available on the market today. To prove this claim, Acme called 10 people and asked them their thoughts on headache relief products. All 10 of them stated that they unequivocally use Acme brand aspirin on a regular basis and that they believe it to be the best headache relief available on the market today. Q: Which of the following would most weaken this argument?</p>	<p>A. Acme brand aspirin is highly addictive B. The 10 people called were spouses of Acme employees C. Most people choose to suffer silently through their headaches and take no medicines whatsoever D. The 10 people called own stock in a competing company</p>
5	<p>If $x - 5 = 9$, what is the value of $x^2 - 5$?</p>	<p>A. 196 B. 191 C. 16 D. 11</p>
6	<p>If the ratio of a : b is 9 : 7 then a + b is:</p>	<p>A. 14 B. 16 C. 63 D. not possible</p>
7	<p>People should be held accountable for their own behavior, and if holding people accountable for their own behavior entails capital punishment, then so be it. However, no person should be held accountable for behavior over which he or she had no control. Q: Which of the following is the most logical conclusion of the argument above?</p>	<p>A. People should not be held accountable for the behavior of other people B. People have control over their own behavior C. People cannot control the behavior of other people D. Behavior that cannot be controlled should not be punished</p>
8	<p>Which of the following is equal to $(3^8 \times 3^9)^{10}$?</p>	<p>A. 3^{720} B. 3^{170} C. 3^{27} D. 3^{98}</p>
9	<p>Question Image <input style="width: 500px; height: 20px;" type="text"/></p>	<p>A. 35 B. 45 C. 55 D. 40</p>

10	Question Image	A. 100^o B. 60^o C. 30^o D. 110^o
11	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 volcanoes 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
12	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%
13	If $2x - 3 = 15$, what is the value of $(2x - 3)^2$?	A. 81 B. 227 C. ± 225 D. 225
14	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
15	$3 - 7 =$	A. -7 B. 7 C. -4 D. 4
16	Concrete consists of cement, sand and screenings in the ratio of 1 : 5 : 4, what is the percentage of the sand mixed ?	A. 10% B. 40% C. 50% D. 60%
17	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
18	Gas heater in bedrooms has long been the main cause of home fires. Despite a significant decline in gas heaters in the last two decades, there has been no comparable decline in the number of people killed in home fires. Q:Each one of the following statements, if true over the last two decades, helps to resolve the apparent discrepancy above EXCEPT:	A. Compared to other types of some fires, home fires caused by gas heaters in bedrooms usually cause relatively little damage before they are extinguished B. Population densities have increased, with the result that one home fire can cause more deaths than in previous decades C. Gas heater users often sleep in the morning D. Home fires caused by gas heaters in bedroom often break out after the residents have fallen asleep
19	If $(5^a)(5^b) = 5^c/5^d$, what is d in terms of a, b and c ?	A. $a + b - c$ B. $a - b + c$ C. $a + b + c$ D. $c - a - b$
20	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.	A. A B. B C. C D. D

Column A

The average (arithmetic mean) of x, y, z and 39

Column B

40
