

GAT-B Arts, Humanities & Social Science Quantitative

Sr	Questions	Answers Choice
1	A man present age is x years. If his age in 8 years will be $\frac{4}{5}$ of what it will be in 20 years, then his present age is:	A. 45 B. 25 C. 30 D. 40
2	If $x = yz$, which of the following must be equal to xy ?	A. yx B. yz^2 C. y^2z D. x/y
3	Question Image	A. 100^o B. 60^o C. 80^o D. 40^o
4	If $2x - 3 = 15$, what is the value of $(2x - 3)^2$?	A. 81 B. 227 C. ± 225 D. 225
5	Question Image	A. $3 + 4\sqrt{3}$ B. $18(3 + 4\sqrt{3})$ C. 54 D. $84\sqrt{3}$
6	The CEO of a large multinational firm wants to maxim., revenues and increase sales. The production director, however, believes that increased production would only drive down the product would only drive down the product price and lower revenues. Q: Which of the following represents the logical flaw in director's reasoning?	A. The director assumes the plant at the firm is old fashioned B. He assumes that production goals are similar to financial goals C. He assumes that the supply produced by a single company can significantly after the aggregate supply for the market D. He assumes that they are market leader with a share of more than ninety percent of the aggregate sales
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 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. Column A $\frac{1}{\sqrt{5}}$ Column B $\frac{\sqrt{5}}{5}$	A. A B. B C. C D. D
8	What is the average of first hundred natural numbers ?	A. 50 B. 50.5 C. 49.5 D. 100

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.

A. A

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B. B
C. C
D. D

Column A

y/x

Column B

$x/y - 1$

$x = 2y$

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

Column A

$5 \nabla 4$

Column B

$1/2 \nabla 2/5$

$x \nabla y = x/y + y/x$

- 11 If $x/9 = 2/3$, then $x =$

A. $8/3$
B. 6
C. 3
D. $27/2$

- 12 What percent of $1/2$ is $5/4$?

A. 2.5
B. 1.5
C. 250
D. 150

- 13 Shockwave lithotripsy can be used to remove painful kidney stones. In contrast to surgery - the invasive procedure customarily used, extracorporeal shockwave lithotripsy poses little risk to patients. Thus, to guarantee patient safety in the attempt to treat kidney stones, extracorporeal shockwave lithotripsy should replace kidney stone surgery in all cases.
Q: Which of the following, if true, would most support the recommendation above?

A. Kidney surgery can be used to treat other ailments of the kidneys other than kidney stones.
B. Extracorporeal shockwave lithotripsy was designed primarily in order to diagnose kidney stones.
C. Kidney surgery can reveal more information about the cause of a stone than an extracorporeal shockwave lithotripsy can.
D. An extracorporeal shockwave lithotripsy is just as likely as kidney surgery to successfully remove a kidney stone.

- 14 Although most of the lucrative jobs in Pakistan will require a college degree, many of the new jobs require knowledge other than that gained in college or university. For workers in those jobs, good basic skills in reading, communication, and mathematics play an important role in getting a job and developing a career.
Q: From the information given above it can be validly concluded that, in today's economy.

A. Employment agencies should conduct communication and mathematics classes
B. All colleges and universities are worthless
C. People should train their children for technical work
D. Skills in reading, communication, and mathematics play an important role in developing a successful career

- 15 If $(36)(?) (7) - 21$ then ? equals

A. $21/43$
B. $1/42$
C. $1/12$
D. $1/11$

- 16 More sports journals are sold in Horn by than in Milston. Therefore, the residents of Horn by are better informed about major sporting events than are the residents of Milston.
Q: Each of the following, if true, weakens the conclusion above EXCEPT:

A. Horn by has a larger population than Milston
B. Most residents of Milston work in Horn by and buy their reading material there
C. The average newsstand price of journals sold in Horn
D. None of these

17	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. $x - 4/3$ B. $x + 4/3$ C. $x + 4$ D. $x - 4$
18	If $a/2 - 2 > a/3$, then which of the following statement is true ?	A. $a < 12$ B. $a > 12$ C. $a = 12$ D. $a \geq 12$
19	A square, with perimeter 16, is inscribed in a circle, what is the area of the circle ?	A. 3π B. $2\sqrt{2}\pi$ C. 32π D. 8π
20	If $5x + 12 = 44$, what is the value of $5x - 12$?	A. 24 B. 32 C. 20 D. 22