

GAT-A Business and Engineering Quantitative

Sr	Questions	Answers Choice
1	An oil burner in a housing development burns 76 gallons of fuel oil per hour. At 9 A.M on a very cold day, the superintendent asks the housing manager to put in an emergency order for more fuel oil. At that time, he reports that he has on hand 266 gallons. At noon, he again comes to the manager, notifying him that no oil has been delivered. The maximum amount of time that he can continue to furnish heat without receiving more oil is	A. 1/2 hr B. 1 hr C. 1 1/2 hr D. 2 hr
2	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
3	What is the average of first hundred natural numbers ?	A. 50 B. 50.5 C. 49.5 D. 100
4	If 1 is added to the denominator of a fraction, it becomes $\frac{1}{2}$ and if 1 is added to the numerator, the fraction becomes 1. The fraction is:	A. $\frac{4}{7}$ B. $\frac{10}{11}$ C. $\frac{2}{3}$ D. $\frac{5}{9}$
5	Question Image	A. 35 B. 45 C. 55 D. 40
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. Column A y^x Column B x^x $x > 1$ $x \neq y$	A. A B. B C. C D. D
7	Wheat has more nutritional value than rye. But since oats have more nutritional value than rice, it follows that wheat has more nutritional value than rice. Q: Any of the following, if introduced into the argument as an additional premise, makes the argument above logically correct EXCEPT:	A. Wheat and oats have the same nutritional value B. Rye has more nutritional value than oats C. Rye has more nutritional value

than rice
D. Oats have more nutritional value than wheat

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 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

x

Column B

y

x and y are positive

$$1/x = 1 + 1/y$$

- 9 Subhan is twice as old as Bukhari, who is 3 years older than Shakir. If Shakir is 4a years old, Subhan's age is

A. 8a
B. 22a
C. 14a
D. 8a + 6

- 10 The height of a triangle of base 3 cm and area 9 cm² is:

A. 6 cm
B. 9 cm
C. 18 cm
D. 22 cm

- 11 If the ratio of boys and girls in a class is 3 : 5 and the class contains 24 students, how many additional boys would have to enroll to make the ratio of boys to girls 1 : 1 ?

A. 9
B. 15
C. 6
D. 12

- 12 If $5x + 12 = 44$, what is the value of $5x - 12$?

A. 24
B. 32
C. 20
D. 22

- 13 

A. 35
B. 25
C. 10
D. 29

- 14 

A. 4
B. 4.5
C. 6
D. 1.5

- 15 Most citizens are very conscientious about observing a law when they can see the reason behind it. For instance, there has been very little need to actively enforce the recently-implemented law that increased the penalty for motorists caught leaving a gas station without paying for gas they had pumped into their vehicles. This is because citizens are very concerned about the high cost of gasoline and they know that stealing gas will only further increase the price of gasoline for everyone.
Q: With which of the following statements would the author of this passage be most likely to agree?

A. The increased penalty alone is a significant motivation for most citizens to obey the law.
B. There are still too many inconsiderate citizens in the local community
C. High gasoline prices can be brought down if everyone does his or her part and pays for the gasoline they use at the pumps
D. Society should make an effort to teach citizens the reasons for its laws

- 16 

A. 325
B. 225
C. 125
D. cannot be exactly determined from the given information

- 17 There is clear evidence that the mandated vaccination to children under age four has resulted in fewer child fatalities over the past five years. Compared to the five-year period prior to the passage of laws requiring the vaccination, fatalities of children under age four have decreased by 30 percent.
Q: Which one of the following, if true, most substantially strengthens the argument above?

A. The fatality rate for other age groups has remained steady over the past five years
B. Air pollution has been increased over the period of past five years
C. Government has implemented a malaria control campaign last year
D. Health conditions in the country are better than has been previously

18	The product of two numbers is 2500. If their L.C.M is 125, then their H.C.F is:	A. 20 B. 250 C. 125 D. None of these
19	If apples cost 3 for 37 cents, find the cost of $1\frac{3}{4}$ dozen apples.	A. 111 cents B. 159 cents C. 259 cents D. 211 cents
20	If a square of area 3 is inscribed in a circle, then the area of the circle is:	A. $\frac{9}{4} \pi$ B. $9\pi^{>2<}$ C. 3π D. $\sqrt{3} \pi$