

GAT-A Business and Engineering Quantitative

Sr	Questions	Answers Choice
1	Two spinning machines A and B can together produce 300,000 meters of cloth in 10 hours. If machine B alone can produce the same amount of cloth in 15 hours, how much cloth can machine A produce alone in 10 hours?	A. 200,000 meters B. 100,000 meters C. 150,000 meters D. 50,000 meters E. 250,000 meters
2	If Dabeer is $\frac{1}{3}$ rd the age of his father Agha Jameel now, and was $\frac{1}{4}$ th the age of his father 5 years ago, how old will his father Agha Jameel be 5 years from now?	A. 20 B. 45 C. 40 D. 50 E. 15
3	Each man contributed dollars equal to the number of women and each woman contributed dollars equal to the number of men in a group of 120 group of 120 people, the total amount collected was Rs. 7200. How many men were there in the group?	A. 72 B. 60 C. 40 D. 80 E. None of these
4	Of the following, which value of x produces the greatest value of f(x)?	A. -2 B. -1 C. 1 D. 2 E. 3
5	What is the value of the function $k(x) = x^2 - 2$ when $x = 7$?	A. 5 B. 9 C. 45 D. 47 E. 51
6	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
7	If the radius of a circle is increased by 20% then the area is increased by:	A. 14% B. 120% C. 144% D. 40%
8	A rectangular is 16 cm long and 10 cm wide. If the length is reduced by k cm and its width is increased also by k cm so as to make it a square then its area changes by:	A. 169 B. 256 C. 100 D. 9 E. None of the above
9	If $\#n = (n-5)^2 + 5$, then find $\#3 \times \#5$.	A. 50 B. 55 C. 30 D. 40 E. 45
10	Twice the age of son is 4 year more than the age of his father. What is the age of the son if father is of 40?	A. 22 B. 20 C. 18 D. 16 E. 14
11	If $x + 2y = 11$ and $2x + 3y = 17$ then y is?	A. 6 B. 5 C. 4 D. 3 E. 0
12	One positive number is $\frac{2}{3}$ of the other and their product is 24. what is the sum of the two?	A. 6 B. 18 C. 36 D. 24 E. 10
13	The value of $x^2 + 5x + 6$ at $x = 2$ is?	A. 2 B. 20 C. 40 D. 10

14	Saima bought two black pencils and three red pencils for Rs.23. After a week, she bought three black pencils and two red pencils for Rs. 16. If price of pencils remained the same for both transactions, how much she paid for one black pencil?	A. 2 B. 3 C. 4 D. 5
15	If three times of a number is 6 more than twice the number, What is the value of the number?	A. 2 B. 4 C. 6 D. 8
16	In All Pakistan Weight Lifting competition in Multan, double of first lift of Mr. Sahiwal was 150 kilograms more than his second lift and the sum of two lifts was 375 kilograms. What was the weight of his first lift?	A. 300 B. 350 C. 175 D. 100
17	If $2x + 5y = 18$ and $x = 4$ then what is the value of y ?	A. 2 B. 3 C. 4 D. 5
18	How many odd numbers of three digits each can be formed from the digits 2, 4, 6, and 7 if repetition of digits is permitted?	A. 6 B. 27 C. 24 D. 16
19	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
20	How many different 4 person teams can be made from a group of 9 players?	A. 3,024 B. 1,512 C. 378 D. 254 E. 126
21	When 4 dice are thrown, what is the probability that the same number appears on each of them?	A. $\frac{1}{36}$ B. $\frac{1}{18}$ C. $\frac{1}{216}$ D. $\frac{1}{5}$
22	When two dice are thrown simultaneously, what is the probability that the sum of the two numbers that turn up is less than 11?	A. $\frac{5}{6}$ B. $\frac{11}{12}$ C. $\frac{1}{6}$ D. $\frac{1}{12}$
23	What is the probability that a two-digit number selected at random will be a multiple of '3' and not a multiple of '5'?	A. $\frac{2}{15}$ B. $\frac{4}{15}$ C. $\frac{1}{15}$ D. $\frac{4}{90}$
24	What is the probability of getting all six in a single throw of three unbiased dice?	A. $\frac{1}{6}$ B. $\frac{125}{216}$ C. $\frac{1}{36}$ D. $\frac{1}{216}$
25	A number is selected at random from first thirty natural numbers. What is the chance that it is a multiple of either 3 or 13?	A. $\frac{17}{30}$ B. $\frac{2}{5}$ C. $\frac{11}{30}$ D. $\frac{4}{15}$
26	If it takes 10 minutes to walk $\frac{3}{7}$ mile, how many minutes will it take to walk the rest of the mile?	A. $2\frac{1}{3}$ B. $13\frac{1}{3}$ C. $4\frac{2}{7}$ D. 30
27	A candy recipe calls for 5 parts milk, 4 parts cocoa, 4 parts syrup, 2 parts sugar, and 1 part 1 butter. If you use 8 ounces of milk, how many ounces of candy mixture can you make?	A. $25\frac{3}{5}$ B. $5\frac{3}{5}$ C. 20 D. 128
28	A car that gets 15 miles per gallon of gasoline can travel 250 miles on a full tank. If the same car got 20 miles per gallon, how many miles could it travel on a full tank?	A. 300 B. 750 C. $250\frac{3}{4}$ D. $333\frac{1}{3}$
29	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed to plow the field in 5 hours?	A. 32 B. 4 C. 16 D. 8
30	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