

Quantitative Reasoning Algebra Test For Nat

Sr	Questions	Answers Choice
1	If Myra had bowling scores of $b + 6$, $b - 2$, $b + 4$, and $b - 5$, what must she score in the next game to get an overall average of $b + 2$?	A. $b + 7$ B. $b - 3$ C. $b + 3$ D. $b - 7$
2	One-sixth of a day is what part of the time between 3 p.m. Monday and 3 p.m. Thursday of the same week ?	A. $1/10$ B. $1/18$ C. $1/15$ D. $1/12$
3	Out of the 44 boys in a class 9 are of the age of 10, 15 at the age of 9, and the rest are at the of 8. Find their average age.	A. 7.85 B. 8.75 C. 12.2 D. 14.35
4	The annual decrease in the population of a city was 10% and the present number of inhabitants is 1620. What was the population 2 years hence?	A. 20 B. 400 C. 2000 D. 1000
5	The average height of five men is 68 inches. If one man is 70 inches tall and three others have an average of 67 inches, the height of the fifth man, in inches, is	A. 68 B. 69 C. 70 D. 71
6	The value of $(x+y)^2 + (x-y)^2$ is?	A. 4 B. $2(x^2+y^2)$ C. $4xy$ D. $-4xy$
7	Four people are asked to stand in a straight line. In how many different orders can they line up ?	A. 12 B. 16 C. 24 D. 6
8	$2x^2y$ when multiplied with $x^2 + y^2$ gives ?	A. $2x^2y^2 + 2xy^3$ B. $2x^4y + 2x^2y^3$ C. $2xy^2 + 2x^2y$ D. $2xy^3 + 2x^3y$
9	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. $250 \frac{3}{5}$ D. $333 \frac{1}{3}$
10	A man spent 10% of his money .After spending 60% of the reminder he has Rs.72 left. How much had he in the start?	A. 10 B. 100 C. 200 D. 400
11	What is the sum of money, 6% of which is 18 dollars?	A. 600 B. 200 C. 300 D. 20
12	A man opens a bookstall with a capital of Rs.25000. In three months his capital amounts to rupees 27500. What is the increase percent?	A. 1% B. 10% C. 20% D. 7%
13	If p is a negative integer and $p^2 + 11p = t$, a value of t could be	A. 12 B. 18 C. -18 D. 11
14	A candy recipe calls for 5 parts milk, 4 parts cocoa, 4 parts syrup, 2 parts sugar, and 1 part 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

15	$1/x = 1/y + 1/z$ then 'x' in terms of 'y' and 'z' is given by?	A. $(y+z) / (y-z)$ B. $yz / (y+z)$ C. $(y+z) / yz$ D. $1/z - 1/y$
16	The value of $(x+y)^2 - (x-y)^2$ is?	A. 4 B. $x^2 + y^2$ C. $4xy$ D. $-4xy$
17	What is the number , 5% of which is 10?	A. 200 B. 100 C. 50 D. 10
18	The population of a city increased in two years from 25,000 to 30,000; find the percent increase during the time.	A. 10% B. 20% C. 40% D. 5%
19	The average height of five men is 68 inches. If one man is 70 inches tall and three other have an average of 67 inches, the height of the fifth man, in inches, is:	A. 68 B. 69 C. 70 D. 71
20	In solving an arithmetic example, Donna, by mistake multiplied by 6 instead of dividing by 6. If her answer was $13 \frac{1}{5}$, what should be the correct answer to the example?	A. $2 \frac{8}{11}$ B. $\frac{5}{66}$ C. $2 \frac{1}{5}$ D. $\frac{11}{30}$