

## Quantitative Reasoning Algebra Test For Nat

Sr	Questions	Answers Choice
1	The value of $\{0.5^4 - 0.4^4\} / \{0.5^2 + 0.4^2\}$ is?	A. 0.9 B. 0.09 C. 0.19 D. 0.31
2	The average of x,y,z and 40 is 10. What is the average of x,y, adn z.	A. 10 B. 0 C. 2 D. 15
3	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
4	If $4x-y=13$ and $3x-2y=7$ then what is the average of 'x' and 'y'?	A. 4 B. 3 C. 2 D. 6
5	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 3/5 D. 333 1/3
6	$x + y = 17$ and $x=2$ , then value of y?	A. 13 B. 15 C. 19 D. 10
7	If $2x + y + 11$ nad $3x + 2y = 17$ then y is?	A. 1 B. 5 C. 6 D. 4
8	If apples cost 3 for 37 cents, find the cost of 1 3/4 dozen apples.	A. 111 cents B. 159 cents C. 259 cents D. 211 cents
9	The value of $(x+y)^2 - (x-y)^2$ is?	A. 4 B. $x^2 + y^2$ C. $4xy$ D. $-4xy$
10	A man has Rs.2000 and spends 18% of it. What money has he left now?	A. 3600 B. 820 C. 1640 D. 4000
11	If $(p-3)(p+5) > (p-3)(p+8)$ , what is the best description of p ?	A. $p = 3$ B. $-8 < p < -5$ C. $p = \{ \dots \}$ D. $p < 3$
12	If $x + 2y = 11$ and $x + y = 10$ the value of y is:	A. 1 B. 2 C. 3 D. 4
13	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
14	When $3x^2 + 5x + 7$ is subtracted from $x^2 + 8x + 3$ the result is?	A. $5x^2 - 3x + 4$ B. $3x^2 - 2x - 4$ C. $x^2 + 8x + 10$ D. $11x^2 + 3x + 10$
15	Find the ratio of 18 inches to 2 yards.	A. 3/4 B. 1/4 C. 1/5 D. 2/5

- 
- 16 The average height of a class of 14 days is 5.3 feet. After new boy is admitted to the class ,the new average height now becomes 5.25. What is the height of the new boy? A. 4.55  
B. 5.0  
C. 6.0  
D. 3.5
- 17 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
- 18 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
- 19 Find the value of  $x$  if  $3:b=x:c$ . A.  $3b/c$   
B.  $c/3b$   
C.  $2c/3b$   
D.  $3c/b$
- 20 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 age of 8. Find their average age. A. 7.85  
B. 8.75  
C. 12.2  
D. 14.35
-