

## Quantitative Reasoning Algebra Test For Nat

Sr	Questions	Answers Choice
1	If $(36)(?)(7)=21$ , then ? equals	A. 21/43 B. 1/42 C. 1/12 D. 1/11
2	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
3	How many tens are equal to the number whose hundreds, tens, and units digits are a, b, and c, respectively ?	A. b C. $10a+b+c$
4	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
5	The value of $(x+y)^2 - (x-y)^2$ is?	A. 4 B. $x^{2/2} + y^{2/2}$ C. $4xy$ D. $-4xy$
6	A man has Rs.2000 and spends 18% of it. What money has he left now?	A. 3600 B. 820 C. 1640 D. 4000
7	$1/x = 1/y + 1/z$ 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. $1/z - 1/y$
8	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
9	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
10	A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days?	A. $576/x$ B. $48/5x$ C. $24/x$ D. $576/5x$
11	A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days ?	A. $576/x$ B. $48/5x$ C. $24/x$ D. $576/5x$
12	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
13	If a machine can place a cap on a bottle of soda every 0.8 seconds, how many bottles can be capped in 2 hours ?	A. 8000 B. 9000 C. 300 D. 900
14	If $x + 3y = 7$ and $2x + y = 5$ then value $x/y$ is?	A. 1/2 B. 1/3 C. 2/5 D. 8/9
15	How many tens are equal to the number whose hundreds, tens, and units digits are a,b,c, respectively?	A. b B. $a+1/10b+1/100c$ C. $10a+b+c$ D. $10a+b+c/10$

16	If $(36)(?)(7)=21$ , then ? equals	B. 1/42 C. 1/12 D. 1/11
17	If it takes 10 minutes to walk $\frac{3}{4}$ 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
18	Find the arithmetic mean of 25.2, 13.5, 18.5 and 34.8	A. 13 B. 23 C. 27 D. 5
19	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
20	Which of the following is the sum of two consecutive prime numbers ?	A. 66 B. 52 C. 41 D. 29