

## Quantitative Reasoning Algebra Test For Nat

Sr	Questions	Answers Choice
1	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
2	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. $b - 7$
3	The population of 8 villages is 900, 750, 1100, 1050, 835, 1250, 555, and 630. Find the population of Ninth village if the average population of Nine villages is 900.	A. 1200 B. 1050 C. 1030 D. 7070
4	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. $576/5x$
5	What is the number , 5% of which is 10?	A. 200 B. 100 C. 50 D. 10
6	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
7	Find the arithmetic mean of 25.2, 13.5, 18.5 and 34.8	A. 13 B. 23 C. 27 D. 5
8	If 7 apples cost $y$ cents, how many apples will $x$ dollars buy?	A. $x/7y$ B. $7x/y$ C. $7x/100y$ D. $700x/y$
9	$x + y = 17$ and $x=2$ , then value of $y$ ?	A. 13 B. 15 C. 19 D. 10
10	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
11	If $x + 3y = 7$ and $2x + y = 5$ then value $x/y$ is?	A. $1/2$ B. $1/3$ C. $2/5$ D. $8/9$
12	$2x^2y$ when multiplied with $x^2 + y^2$ gives ?	A. $2x^2y^2 + 2xy^3 + 2x^4y + 2x^2y^3 + 2x^2y^2 + 2xy^3$ B. $2x^4y + 2x^2y^3 + 2x^2y^2 + 2xy^3$ C. $2xy^2 + 2x^2y + 2x^2y^2 + 2xy^3$ D. $2xy^3 + 2x^2y^2 + 2x^2y + 2xy^3$
13	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
14	If $x=7y+3$ and $z=49y^2$ then what is 'z' in terms of $x$ ?	A. $X2$ B. $x^2-3$ C. $(x-3)^2/7$ D. None

15 How many cents will  $r$  books cost if  $t$  books cost  $m$  dollars?  
A.  $100mr / t$   
B.  $mr / 100$   
C.  $100t / mr$   
D.  $m / 100t$

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A.  $b+7$   
B.  $b-3$   
C.  $b+3$   
D.  $b-7$

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17 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.  $10a+b+c/10$

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18  $t$  is an integer greater than 5. The expression that must represent an odd integer is  
A.  $t(t+1)$   
B.  $3t-1$   
C.  $t^{2}$   
D.  $2t-3$

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19 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

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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.  $5/66$   
C.  $2 \frac{1}{5}$   
D.  $11/30$