

## NAT I Arts Quantitative

Sr	Questions	Answers Choice
1	A word processing operator typed 44 words per minute. After practice, the operator's speed increased to 55 words per minutes. By what percent did the operator's speed increase ? (25%)	A. 25% B. 50% C. 15% D. 20%
2	$Ay-b=c$ , dy what is 'y' in terms of 'a', 'b' and 'c'?	A. $(c+b) / (a+d)$ B. $(c-b) / (a+d)$ C. $(c-b) / (a+d)$ D. $(c+b) / (a-d)$
3	If $2x + y + b = 11$ nad $3x + 2y = 17$ then y is?	A. 1 B. 5 C. 6 D. 4
4	A clerk filed 73 forms on Monday, 85 forms on Tuesday, 54 on Wednesday, 92 on Thursday and 66 on Friday. What was the average number of forms filed per day ?	A. 50 B. 95 C. 84 D. 74
5	Find the sum of money, 11% of which is Rs. 1650.	A. 150 B. 3300 C. 25000 D. 15000
6	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
7	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
8	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. $333 \frac{1}{3}$
9	Change $27/7$ to a mixed number.	A. $6 \frac{1}{3}$ B. $7 \frac{1}{2}$ C. $3 \frac{6}{7}$ D. $2 \frac{1}{7}$
10	If $(36)(?)(7)=21$ , then ? equals	A. 21/43 B. 1/42 C. 1/12 D. 1/11
11	If a train travels $\frac{5}{6}$ mile in $1 \frac{1}{4}$ minutes, how many miles will it travel in 1 hour ?	A. 20 miles B. 50 miles C. 40 miles D. 30 miles
12	$x\sqrt{0.09} = 3$ : $x = ?$	A. 10 B. 1/3 C. 1/10 D. 1
13	$0.027\sqrt{90} = ?$	A. 0.0003 B. 0.03 C. 3 D. 0.00003
14	If 7 apples cost y cents, how many apples will x dollars buy?	A. $x/7y$ B. $7x/y$ C. $7x/100y$ D. $700x/y$
15	Change $4 \frac{4}{2}$ to an improper fraction:	A. $14/3$ B. $11/3$ C. $24/3$ D. $10/3$

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16 What is the sum of money, 6% of which is 18 dollars?

A. 600  
B. 200  
**C. 300**  
D. 20

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17 The value of  $(x+y)^2 - (x-y)^2$  is?

A. 4  
B.  $x^2 + y^2$   
**C. 4xy**  
D.  $-4xy$

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18  $350 - 96 \div 18 = ?$

A. 318  
B. -132  
**C. 328**  
D. 232

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19 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  $\frac{1}{3}$**

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20 The average of x, y, z and 40 is 10. What is the average of x, y, and Z.

A. 10  
**B. 0**  
C. 2  
D. 15

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