

Quantitative Reasoning Algebra Test For Nat

Sr	Questions	Answers Choice
1	Find the value of x if $3:b=x:c$.	A. $3b/c$ B. $c/3b$ C. $2c/3b$ D. $3c/b$
2	How many miles are there between two cities if the distance is represented by a 2.4 inch line on a map having a scale of 1 inch to 8 miles?	A. 19.0 B. 12.8 C. 8.5 D. 38
3	If it takes 10 minutes to walk $3/4$ 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
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	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. $11/30$
6	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
7	If 7 apples cost y cents, how many apples will x dollars buy ?	A. $x / 7y$ B. $7x / y$ C. $7x / 100y$ D. $700x / y$
8	A clerk filled 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 filled per day?	A. 50 B. 95 C. 84 D. 74
9	How many integers from 28 to 98, both exclusive are exactly divisible by 7?	A. 9 B. 11 C. 12 D. 8
10	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?	A. 25% B. 50% C. 15% D. 20%
11	Mr.Kashif got an average of 50 in 6 tests. What should he get in the next test to attain the average of 60?	A. 120 B. 60 C. 100 D. 70
12	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
13	If a train travels $5/6$ miles 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
14	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%
15	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

16	<p>The death rates for three diseases are :</p> <p>Disease R 2 People out of 10,000</p> <p>Disease S 13 People out of 1,000,000</p> <p>Disease T 9 People out of 100,000</p> <p>Disease R 2 People out of 10,000</p> <p>What is the combined death rate for the three diseases?</p>	<p>A. 123 out of 1,000,000</p> <p>B. 42 out of 10,000</p> <p>C. 42 out of 1000,000</p> <p>D. 303 out of 1,000,000</p>
17	<p>Dave is twice as old as Bob, who is 3 years older than Steve. If Steve is $4a$ years old, Dave's age is</p>	<p>A. $8a$</p> <p>B. $22a$</p> <p>C. $14a$</p> <p>D. $8a + 6$</p>
18	<p>A man has Rs.2000 and spends 18% of it. What money has he left now?</p>	<p>A. 3600</p> <p>B. 820</p> <p>C. 1640</p> <p>D. 4000</p>
19	<p>If $(p-3)(p+4) > (p-3)(p+8)$, what is the best description of p?</p>	<p>A. $p=3$</p> <p>B. $-8 < p < -5$</p> <p>C. $p=\{ \}$</p> <p>D. $p < 3$</p>
20	<p>The value of $\{0.5^4 - 0.4^4\} / \{0.5^2 + 0.4^2\}$ is?</p>	<p>A. 0.9</p> <p>B. 0.09</p> <p>C. 0.19</p> <p>D. 0.31</p>