

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	A man has Rs.2000 and spends 18% of it. What money has he left now?	A. 3600 B. 820 C. 1640 D. 4000
3	<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 B. 42 out of 10,000 C. 42 out of 1000,000 D. 303 out of 1,000,000</p>
4	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
5	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%
6	Which of the following is the sum of two consecutive prime numbers ?	A. 66 B. 52 C. 41 D. 29
7	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
8	Ay-b=c-dy what is 'y' in terms of 'a', 'b' and 'c'?	A. 30 B. 38/2 C. 38/3 D. 38/5
9	Find the arithmetic mean of 25.2, 13.5, 18.5 and 34.8	A. 13 B. 23 C. 27 D. 5
10	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
11	In a school there are 400 students , of whom 70% are boys. What is the number of girls?	A. 130 B. 200 C. 280 D. 2800
12	A man opens a bookstall with a capital of Rs.25000. In three months his capital amounts to rupees 27500. What is the increase percent?	A. 1% B. 10% C. 20% D. 7%
13	If $3x+5y=10$ and $3y+5x=30$ then average if 'x' and 'y' is?	A. 3/2 B. 4 C. 5/2 D. 7/2
14	Dave is twice as old as Bob, who is 3 years older than steve. If Steve is 4a years old, Dave's age is:	A. 8a B. 22a C. 14a D. 8a+6

15 If you have 50 green , 50 orange, and 50 yellow jelly beans, how many bags can you till for Halloween each containing 2 green, 3 orange, and 4 yellow jelly beans? B. 13
C. 16
D. 17

16 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

17 How many integers between 28 and 98 are exactly divisible by 7 ? A. 9
B. 11
C. 12
D. 8

18 If $abc= 2$ and $a = c$ then $b =$ A. a^2
B. $1/2a$
C. $2/a^2$
D. $2-a^2$

19 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

20 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