

Quantitative Reasoning Algebra Test For Nat

Sr	Questions	Answers Choice
1	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
2	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
3	The average height of a class of 14 days is 5.3 feet. After new boy is admitted to the class, the new average height now becomes 5.25. What is the height of the new boy?	A. 4.55 B. 5.0 C. 6.0 D. 3.5
4	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
5	If apples cost 3 for 37 cents, find the cost of $1 \frac{3}{4}$ dozen apples.	A. 111 cents B. 159 cents C. 259 cents D. 211 cents
6	If $(x+1/x)^2=96$ what is the value of $x^2 + 1/x^2$?	A. 94 B. 98 C. 100 D. 90
7	A candy recipe calls for 5 parts milk, 4 parts cocoa, 4 parts syrup, 2 parts sugar, and 1 part butter. If you use 8 ounces of milk, how many ounces of candy mixture can you make?	A. 25 $\frac{3}{5}$ B. 5 $\frac{3}{5}$ C. 20 D. 128
8	In Myra had bowling scores of $b+6$, $b-2$, $b+4$, and $b-5$. what must she score in the next game to get overall average of $b+2$?	A. $b+7$ B. $b-3$ C. $b+3$ D. $b-7$
9	A man bought 27 packets of Chilli Milli at \$280 each, 9 packets of Chilli Milli at \$320 each and 6 packets of Chilli Milli at \$360 each. Find the average price per packet of Chilli Milli.	A. \$250 B. \$300 C. \$400 D. \$380
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	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
12	The value of $(x+y)^2 - (x-y)^2$ is?	A. 4 B. x^2+y^2 C. $4xy$ D. $-4xy$
13	A and B can do a job in 6 days. If A does the job alone he takes 10 days. What will be time required by B to complete the job alone?	A. 8 B. 6 C. 15 D. 3
14	One-sixth of a day is what part of the time between 3 p.m. Monday and 3 a.m. Thursday of	A. $\frac{1}{10}$ B. $\frac{1}{18}$ C. $\frac{1}{12}$ D. $\frac{1}{24}$

	the same week?	C. 1/15 D. 1/12
15	$Ay-b=c$,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. $(c+b) / (a-d)$
16	The value of $x^2 + 5x + 6$ at $x=2$ is:	A. 10 B. 14 C. 18 D. 20
17	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%
18	If $x + 2y = 11$ and $x + y = 10$ the value of y is:	A. 1 B. 2 C. 3 D. 4
19	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
20	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. $576/5x$