

Quantitative Reasoning Algebra Test For Nat

Sr	Questions	Answers Choice
1	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
2	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. $11/30$
3	When $3x^2+5x+7$ is subtracted from x^2+8x+3 the result is?	A. $5x^2-3x+4$ B. $3x-2x^2-4$ C. $x^2+2x+8x+10$ D. $11x^2+3x+10$
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	If 7 apples cost y cents, how many apples will x dollars buy?	A. $x/7y$ B. $7x/y$ C. $7x/100y$ D. $700x/y$
6	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. $576/5x$
7	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. $8a+6$
8	If $a^2 - b^2 = 36$ and $a-b = 12$ then average of 'a' and 'b' is?	A. 3 B. 12 C. 6 D. $3/2$
9	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
10	Which of the following is the sum of two consecutive prime numbers ?	A. 66 B. 52 C. 41 D. 29
11	One-sixth of a day is what part of the time between 3 p.m. Monday and 3 p.m. Thursday of the same week ?	A. $1/10$ B. $1/18$ C. $1/15$ D. $1/12$
12	$x + y = 17$ and $x = 2$, then value of y?	A. 13 B. 15 C. 19 D. 10
13	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
14	$1/x = 1/y + 1/z$ then 'x' in terms of 'y' and 'z' is given by?	A. $(y+z) / (y-z)$ B. $yz / (y+z)$ C. $(y+z) / yz$ D. $1/z - 1/y$
15	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%

16	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
17	If it takes 10 minutes to walk $\frac{3}{4}$ 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
18	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. $8a + 6$
19	t is an integer than 5. The expression that must represent an odd integer is:	A. $1(t+1)$ B. $9t-1$ C. t^2 D. $2t-3$
20	If $(p-3)(p+4) > (p-3)(p+8)$, what is the best description of p ?	A. $p=3$ B. $-8 < p < -5$ C. $p \in \{ \}$ D. $p < 3$