

Quantitative Reasoning Algebra Test For Nat

Sr	Questions	Answers Choice
1	If a pipe can fill a tank in 2 hours and another pipe can fill the same tank in 40 minutes. how much time in minutes is needed to fill the tank if both the pipes are working together?	A. 90 B. 50 C. 60 D. 30
2	If 'x' and 'y' are positive and $1/x = 3 + 1/y$ is 'x' greater than 'y'?	A. Yes B. No C. It cannot be determined D. They are equal
3	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%
4	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
5	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
6	How many tens are equal to the number whose hundreds, tens, and units digits are a,b,c, respectively?	A. b B. $a + 1/10b + 1/100c$ C. $10a + b + c$ D. $10a + b + c/10$
7	How many integers from 28 to 98, both exclusive are exactly divisible by 7?	A. 9 B. 11 C. 12 D. 8
8	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. $11/30$
9	What is the number , 5% of which is 10?	A. 200 B. 100 C. 50 D. 10
10	One-sixth of a day is what part of the time between 3 p.m. Monday and 3 a.m. Thursday of the same week?	A. $1/10$ B. $1/18$ C. $1/15$ D. $1/12$
11	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. $p \leq 3$
12	If 7 apples cost y cents, how many apples will x dollars buy ?	A. $x / 7y$ B. $7x / y$ C. $7x / 100y$ D. $700x / y$
13	If $2x + y + 11$ nad $3x + 2y = 17$ then y is?	A. 1 B. 5 C. 6 D. 4
14	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. $576/5x$

15	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.	<div>34); font-family: arial, sans-serif; font-size: 16px;">\$300</div> <div>C. \$400</div> <div>D. \$380</div>
16	What is the sum of money, 6% of which is 18 dollars?	<div>A. 600</div> <div>B. 200</div> <div>C. 300</div> <div>D. 20</div>
17	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?	<div>A. 4.55</div> <div>B. 5.0</div> <div>C. 6.0</div> <div>D. 3.5</div>
18	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?	<div>A. 300</div> <div>B. 750</div> <div>C. 250 $\frac{3}{5}$</div> <div>D. 333 $\frac{1}{3}$</div>
19	If $x=7y+3$ and $z=49y^2$ then what is 'z' in terms of x?	<div>A. x^2</div> <div>B. $x^{\sup>2\sup>-3}$</div> <div>C. $(x-3)^{\sup>2\sup>7}$</div> <div>D. None</div>
20	If $3\frac{1}{5}c=2\frac{1}{2}b$ and $c\neq 0$, then $b/c=?$	<div>A. $\frac{25}{32}$</div> <div>B. $\frac{7}{8}$</div> <div>C. $\frac{32}{25}$</div> <div>D. $\frac{11}{10}$</div>