

## Quantitative Reasoning Algebra Test For Nat

Sr	Questions	Answers Choice
1	$Ay-b=c$ , 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. $(c+b) / (a-d)$
2	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%
3	Question Image	A. 25/32 B. 7/8 C. 32/25 D. 11/10
4	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 3/5 B. 5 3/5 C. 20 D. 128
5	If $abc=2$ and $a=c$ then $b=$	A. $a^{2/3}$ B. $1/2a$ C. $2/a^{2/3}$ D. $2-a^{2/3}$
6	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. $x^2+8x+10$ D. $11x^2+3x+10$
7	What is the sum of money, 6% of which is 18 dollars?	A. 600 B. 200 C. 300 D. 20
8	$x+y=17$ and $x=2$ , then value of $y=$	A. 13 B. 15 C. 19 D. 10
9	Which of the following is the sum of two consecutive prime numbers ?	A. 66 B. 52 C. 41 D. 29
10	Out of the 44 boys in a class 9 are of the age of 10, 15 at the age of 9, and the rest are at the of 8. Find their average age.	A. 7.85 B. 8.75 C. 12.2 D. 14.35
11	Find the arithmetic mean of 25.2, 13.5, 18.5 and 34.8	A. 13 B. 23 C. 27 D. 5
12	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. $576/5x$
13	The population of 8 villages is 900, 750, 1100, 1050, 835, 1250, 555, and 630. Find the population of Ninth village if the average population of Nine villages is 900.	A. 1200 B. 1050 C. 1030 D. 7070
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	If $abc=2$ and $a=c$ then $b=$	A. $a^{2/3}$ B. $1/2a$ C. $2/a^{2/3}$ D. $2-a^{2/3}$

16	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?	<p>A. <math>2 \frac{8}{11}</math>  B. <math>\frac{5}{66}</math>  C. <math>2 \frac{1}{5}</math>  D. <math>\frac{11}{30}</math></p>
17	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.	<p>A. <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">\$250</span>  B. <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">\$300</span>  C. <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">\$400</span>  D. <span style="color: rgb(34, 34, 34); font-family: arial, sans-serif; font-size: 16px;">\$380</span></p>
18	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?	<p>A. 50  B. 95  C. 84  D. 74</p>
19	What is the number, 5% of which is 10?	<p>A. 200  B. 100  C. 50  D. 10</p>
20	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>A. <math>8a</math>  B. <math>22a</math>  C. <math>14a</math>  D. <math>8a+6</math></p>