

NAT I Engineering Quantitative

Sr	Questions	Answers Choice
1	Which of the following is the sum of two consecutive prime numbers ?	A. 66 B. 52 C. 41 D. 29
2	How many integers from 28 to 98, both exclusive are exactly divisible by 7?	A. 9 B. 11 C. 12 D. 8
3	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
4	If you have 50 green, 50 orange, and 50 yellow jelly beans, how many bags can you fill for Halloween each containing 2 green, 3 orange, and 4 yellow jelly beans ?	A. 12 B. 13 C. 16 D. 17
5	$x^2 = 1681$, $x = ?$	A. 31 B. 41 C. 51 D. 61
6	Change $27/7$ to a mixed number.	A. $6 \frac{1}{3}$ B. $7 \frac{1}{2}$ C. $3 \frac{6}{7}$ D. $2 \frac{1}{7}$
7	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
8	$x\sqrt{0.09} = 3$; $x = ?$	A. 10 B. 1/3 C. 1/10 D. 1
9	If $abc = 2$ and $a = c$ then $b =$	A. $a^{2\frac{1}{2}}$ B. $1/2a$ C. $2/a^{2\frac{1}{2}}$ D. $2-a^{2\frac{1}{2}}$
10	If $3 \frac{1}{5} c = 2 \frac{1}{2} b$ and $c \neq 0$, then $b/c = ?$	A. 25/32 B. 7/8 C. 32/25 D. 11/10
11	$1250 \div 25 \times 0.5 = ?$	A. 25 B. 50 C. 2.5 D. 100
12	If a man's weekly salary is \$X and he saves \$Y, what part of his weekly salary does he spend?	
13	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%
14	12 is $\frac{3}{4}$ of what number ?	A. 20 B. 24 C. 16 D. 8
15	$7 \times 21 \div 3 + 3 \div 8 + 4 \times 2$	A. 13 B. 17 C. 31 D. 1
		A. $2 \frac{1}{3}$

16	If it takes 10 minutes to walk $\frac{3}{4}$ mile, how many minutes will it take to walk the rest of the mile?	B. $13\frac{1}{3}$ C. $4\frac{2}{7}$ D. 30
17	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. $b-7$
18	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
19	Find the ratio of 18 inches to 2 yards.	A. $\frac{3}{4}$ B. $\frac{1}{4}$ C. $\frac{1}{5}$ D. $\frac{2}{5}$
20	$2.08 - (0.5)^2 = ?$	A. -1.20 B. 1.88 C. 1.83 D. 2.16