

NAT I General Science Quantitative

Sr	Questions	Answers Choice
1	$\frac{5}{3} + \frac{7}{6} + \frac{9}{3} + \frac{7}{2} = ?$	A. $\frac{28}{3}$ B. $\frac{112}{3}$ C. $\frac{28}{12}$ D. $\frac{14}{7}$
2	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. $10a+b+c/10$
3	Find the ratio of 18 inches to 2 yards.	
4	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. $\frac{5}{66}$ C. $2 \frac{1}{5}$ D. $\frac{11}{30}$
5	If $3 \frac{1}{5} c = 2 \frac{1}{2} b$ and $c \neq 0$, then $b/c = ?$	A. $\frac{25}{32}$ B. $\frac{7}{8}$ C. $\frac{32}{25}$ D. $\frac{11}{10}$
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	If $abc = 2$ and $a = c$ then $b =$	A. $a^{²}$ B. $1/2a$ C. $2/a^{²}$ D. $2-a^{²}$
8	$19 \times 11 + 18 \times 6 / 24 \times 3 - 62$	A. 20.7 B. $21 \frac{7}{8}$ C. 1.47 D. 31.7
9	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
10	What is the sum of money, of which 6% is 18 dollars ?	A. 600 B. 200 C. 300 D. 10
11	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
12	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed to plow the field in 5 hours?	A. 32 B. 4 C. 16 D. 8
13	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. $576/5x$
14	Change $27/7$ to a mixed number.	A. $6 \frac{1}{3}$ B. $7 \frac{1}{2}$ C. $3 \frac{6}{7}$ D. $2 \frac{1}{7}$
15	$(60)^2 = ? \times 72$	A. 36 B. 3600 C. 40 D. 50
16	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%

17 $1/2 \text{ of } 44 \div 2.2 = ?$

- A. 20
B. 22
C. 44
D. 100

18 $(242 - 17)^2 - (7-5)^2 = ?$

- A. 49000
B. 49200
C. 94200
D. 49400

19 The death rates for three diseases are :
Disease R 2 People out of 10,000
Disease S 13 People out of 1,000,000
Disease T 9 People out of 100,000
Disease R 2 People out of 10,000
What is the combined death rate for the three diseases?

- A. 123 out of 1,000,000
B. 42 out of 10,000
C. 42 out of 1000,000
D. 303 out of 1,000,000

20 $224 \sqrt{0.88} = ? \times 1122$

- A. 20.02
B. 20.2
C. 19.3
D. 2.27