

NAT I Medical Quantitative

Sr	Questions	Answers Choice
1	How many cents will r books cost if t books cost m dollars ?	
2	$x^2 = 1681$, $x=?$	A. 31 B. 41 C. 51 D. 61
3	$(160 - 130) (270 - 240) / 2250 \div 50 = ?$	A. 4/3 B. 2/3 C. 45 D. 20
4	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. 90 C. 60 D. 30
5	What is the sum of money, 6% of which is 18 dollars?	A. 600 B. 200 C. 300 D. 20
6	$\sqrt{169} / 196 \times 14 / \sqrt{1521} = ?$	A. 13/42 B. 1/13 C. 42/5 D. 1/42
7	$(190)^2 - (150)^2 = ?$	A. 58600 B. 13600 C. 1360 D. 1600
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	If $(36)(?)(7) = 21$, then ? equals	A. 21/43 B. 1/42 C. 1/12 D. 1/11
10	A factory employs M men and W women. What part of its employees are women ?	A. $W/(W+M)$ B. W/M C. $(W+M)/M$ D. M/W
11	How many tens are equal to the number whose hundreds, tens, and units digits are a, b, and c, respectively ?	A. b C. $10a+b+c$
12	12% of $x = 360$	A. 250 B. 100 C. 400 D. 3000
13	$1250 \div 25 \times 0.5 = ?$	A. 25 B. 50 C. 2.5 D. 100
14	If $x + 2y = 11$ and $x + y = 10$ the value of y is:	A. 1 B. 2 C. 3 D. 4
15	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
16	If the area of two circles are in the ratio 169 : 196 then ratio of their radii is	A. 13 : 11 B. 10 : 13 C. 14 : 13 D. 13 : 14

17	The value of $x^2 + 5x + 6$ at $x=2$ is:	A. 10 B. 14 C. 18 D. 20
18	Question Image <input type="text"/>	A. 25/32 B. 7/8 C. 32/25 D. 11/10
19	Change $4 \frac{4}{2}$ to an improper fraction:	A. 14/3 B. 11/3 C. 24/3 D. 10/3
20	The average height of five men is 68 inches. If one man is 70 inches tall and three others have an average of 67 inches, the height of the fifth man, in inches, is	A. 68 B. 69 C. 70 D. 71