NAT I General Science Quantitative

Sr	Questions	Answers Choice
1	$x^2 = 1681$, x=?	A. 31 B. 41 C. 51 D. 61
2	$(242 - 17)^2 - (7-5)^2$=?	A. 49000 B. 49200 C. 94200 D. 49400
3	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
4	72/3÷ 18/6 =?	A. 72 B. 8 C. 18 D. 48
5	t is an integer than 5. The expression that must represent an odd integer is:	A. 1(t+1) B. 9t-1 C. t^2 D. 2t-3
6	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 ? (25%)	A. 25% B. 50% C. 15% D. 20%
7	Find the arithmetic mean of 25.2, 13.5, 18.5, and 34.8	A. 13 B. 23 C. 27 D. 5
8	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
9	$x\sqrt{0.09} = 3$: x =?	A. 10 B. 1/3 C. 1/10 D. 1
10	1764÷ 17.64 /0.5	A. 100 B. 20 C. 0.2 D. 200
11	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
12	Four people are asked to stand in a straight line. In how many different orders can they line up?	A. 12 B. 16 C. 24 D. 6
13	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
14	Find the arithmetic mean of 25.2, 13.5, 18.5 and 34.8	A. 13 B. 23 C. 27 D. 5
15	If $(x+1/x)^2$=96 what is the value of $x^2 + 1/x^2$?	A. 94 B. 98 C. 100 D. 90

16	5/3 + 7/6 +9/3 +7/2 =?	A. 28/3 B. 112/3 C. 28/12 D. 14/7
17	Four people are asked to stand in a straight line. In how many different orders can they line up ?	A. 12 B. 16 C. 24 D. 6
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. 90 C. 60 D. 30
19	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?	A. 4.55 B. 5.0 C. 6.0 D. 3.5
20	Question Image	A. 55 B. 70 C. 110 D. 125