NAT I Arts Quantitative

Sr	Questions	Answers Choice
1	How many integers from 28 to 98, both exclusive are exactly divisible by 7?	A. 9 B. 11 C. 12 D. 8
2	1/2 of 44÷ 2.2 =?	A. 20 B. 22 C. 44 D. 100
3	A rectangle is 16 cm long and 10 cm wide. If the length is reduced by k cm and its width is increased also by k cm so as to make it a square then its area changes by	A. 169 B. 256 C. 100 D. 9 E. None of the above
4	9218 - 3546+ 2354 =?	A. 8026 B. 8116 C. 10410 D. 23174
5	Question Image	A. 40 B. 50 C. 120 D. 130
6	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
7	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
8	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
9	t is an integer greater than 5. The expression that must represent an odd integer is	A. t(t+1) B. 3t-1 C. t² D. 2t-3
10	? x 12 = 75% of 336	A. 48 B. 252 C. 28 D. 21
11	25% of 4÷ 4% of 25 =?	A. 1 B. 3 C. 0 D. 6
12	If 3 1/5 c=2 1/2 b and c≠0, then b/c=?	A. 25/32 B. 7/8 C. 32/25 D. 11/10
13	1.02 - 0.02 + ? = 1.842	A. 0.222 B. 0.842 C. 2 D. None
14	A 4 cm cube is cut into 1 cm cubes. What is the percentage increase in the surface area after such cutting ?	A. 4% B. 300% C. 75% D. 400%
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		D. 71
16	If 3x+5y=10 and 3y+5x=30 then average if 'x' and 'y' is?	A. 3/2 B. 4 C. 5/2 D. 7/2
17	A piece of fabric is cut into three sections so that the first is three times as long as the second and the second is three times as long as the third. What part of the entire piece is the smallest section ?	A. 2/5 B. 3/7 C. 2/3 D. 1/13
18	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
19	2244 - 0.88 = ? x 1122	A. 20.02 B. 20.2 C. 19.3 D. 2.27
20	The value of $(x+y)^2 + (x-y)^2$ is?	A. 4 B. 2(x²+y²) C. 4xy D. -4xy