NAT I Computer Science Quantitative

Sr	Questions	Answers Choice
1	If it takes 10 minutes to walk 3/4 mile, how many minutes will it take to walk the rest of the mile?	A. 2 1/3 B. 13 1/3 C. 4 2/7 D. 30
2	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 ouncres of milk, how many ounces of candy mixture can you make?	A. 25 3/5 B. 5 3/5 C. 20 D. 128
3	A car that gets 15 miles per gallon of gasoline can travel 250 miles on a full tank. If the same car got 20 miles per gallon, how many miles could it travel on a full tank?	A. 300 B. 750 C. 250 3/5 D. 333 1/3
4	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
5	If apples cost 3 for 37 cents, find the cost of 1 3/4 dozen apples.	A. 111 cents B. 159 cents C. 259 cents D. 211 cents
6	How many cents will r books cost if t books cost m dollars?	A. 100mr / t B. mr / 100 C. 100t / mr D. m / 100t
7	How many miles are there between two cities if the distance is represented by a 2.4 inch line on a map having a scale of 1 inch to 8 miles?	A. 19.0 B. 12.8 C. 8.5 D. 38
8	Find the value of x if 3:b=x:c.	A. 3b/c B. c/3b C. 2c/3b D. 3c/b
9	If a train travels 5/6 miles in 1 1/4 minutes, how many miles will it travel in 1 hour?	A. 20 miles B. 50 miles C. 40 miles D. 30 miles
10	Find the ratio of 18 inches to 2 yards.	A. 3/4 B. 1/4 C. 1/5 D. 2/5
11	If 'x' and 'y' are positive and 1/x=3+1/y is 'x' greater than 'y'?	A. Yes B. No C. It cannot be determined D. They are equal
12	If 4x-y=13 and 3x-2y=7 then what is the average of 'x' and 'y'?	A. 4 B. 3 C. 2 D. 6
13	If x=7y+3 and z=49y^2 then what is 'z' in terms of x?	A. X2 B. x²-3 C. (x-3)²/7 D. None
14	Ay-b=c,dy what is 'y' in terms of 'a', 'b' and 'c'?	A. (c+b) / (a+d) B. (c-b) / (a+d) C. (c-b) / (a+d) D. (c+b) / (a-d)
15	Ay-b=c-dy what is 'y' in terms of 'a', 'b' and 'c'?	A. 30 B. 38/2 C. 38/3 D. 38/5

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	1/x=1/y+1/z then 'x' in terms of 'y' and 'z' is given by?	A. (y+z) / (y-z) B. yz / (y+z) C. (y+z)/ yz D. 1/z-1/y
18	The value of $(x+y)^2$ - $(x-y)^2$ is?	A. 4 B. x²+y² C. 4xy D. -4xy
19	The value of $(x+y)^2$ + $(x-y)^2$ is?	A. 4 B. 2(x²+y²) C. 4xy D. -4xy
20	When $3x^2+5x+7$ is subtracted from x^2+8x+3 the result is?	A. 5x²-3x+4 B. 3x-2x²-4 C. x²+8x+10 D. 11x²+3x+10