NAT II Arts & Humanities Quantitative

Sr	Questions	Answers Choice
1	The average height of a class of 14 boys 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
2	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
3	David receives his allowance on Sunday. He spends 1/4 of his allowance on Monday and 2/3 of the remainder on Tuesday. What part of his allowance is left for the rest of the week?	A. 2/3 B. 4/5 C. 6/7 D. 1/4
4	Which of the following is closest tot he square root of 1/2?	A. 0.7 B. 0.6 C. 0.8 D. 0.25 E. 0.5
5	$(190)^2 - (150)^2 = ?$	A. 58600 B. 13600 C. 1360 D. 1600
6	A number which is divisible by both 6 and 8 is also divisible by	A. 7 B. 5 C. 11 D. 9 E. 24
7	$? \times 12 = 75\% \, of \, 336$	A. 48 B. 252 C. 28 D. 21
8	What is 1/5% of 5000	A. 10 B. 12 C. 16 D. 1000 E. 5000
9	$\sqrt{256} \div \sqrt{64} = ?$	A. 1/4 B. 26/8 C. 16 D. 4
10	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 determind D. They are equal
11	A clerk filed 73 forms on Monday, 85 forms on Tuesday, 54 on Wednesday, 92 on Thursday and 66 on Friday. What was the average number of forms filed per day?	A. 50 B. 95 C. 84 D. 74
12	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% D. 20%
13	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
14	1/2 of $44 \div 2.2 = ?$	A. 20 B. 22 C. 44 D. 100
		A. 0.0003

15	$0.027 \div 90 = ?$	B. 0.03 C. 3 D. 0.00003
16	12 is 3/4 of what number?	A. 20 B. 24 C. 16 D. 8
17	The average of x, y , z and 40 is 10. What is the average of x, y and z.	A. 10 B. 0 C. 2 D. 15
18	$(x + y)2= 25$ and $x2+ y2= 13$ then xy is equal to?	A. 16 B. 20 C. 18 D. 6
19	$(60)^2 = ? \times 72$	A. 36 B. 3600 C. 40 D. 50
20	What is the sum of money, 6% of which is 18 dollars?	A. 600 B. 200 C. 300 D. 10