

NAT II Arts & Humanities Quantitative

Sr	Questions	Answers Choice
1	$x\sqrt{0.09}=3; x=?$	A. 10 B. 1/3 C. 1/10 D. 1
2	$(190)^2 - (150)^2 = ?$	A. 58600 B. 13600 C. 1360 D. 1600
3	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
4	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. 19.2 B. 12.8 C. 8.5 D. 38
5	$72 + 679 + 1439 + 537 + ? = 4036$	A. 1309 B. 1208 C. 2308 D. 2423
6	$(60)^2 = ? \times 7$	A. 3600 B. 3528 C. 0.02 D. 50
7	$350 - 96 \div 18 = ?$	A. 318 B. -132 C. 328 D. 232
8	The value of $(x + y)^2 + (x - y)^2$ is?	A. 4 B. $2(x^2 + y^2)$ C. $4xy$ D. $-4xy$
9	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
10	12% of $x = 360$	A. 250 B. 100 C. 400 D. 3000
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	What is the sum of money, 6% of which is 18 dollars?	A. 600 B. 200 C. 300 D. 10
13	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed below to plow the field in 5 hours?	A. 32 B. 4 C. 16 D. 8
14	$816 - 288 \div = 24 ?$	A. 22 B. 828 C. 528 D. 804
15	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

16	15% of 32 equal	A. 3.80 B. 2.50 C. 4.80 D. 4 E. 5
17	If $2x + y = 11$ and $3x + 2y = 17$ then y is?	A. 1 B. 5 C. 6 D. 4
18	David receives his allowance in Sunday. He spends $\frac{1}{4}$ of his allowance on Monday and 2.3 of the remainder on Tuesday. What part of his allowance is left for the rest week?	A. $\frac{2}{3}$ B. $\frac{4}{5}$ C. $\frac{6}{7}$ D. $\frac{1}{4}$
19	$\frac{1}{2}$ of $44 \div 2.2 = ?$	A. 20 B. 22 C. 44 D. 100
20	The ratio from 5 feet to 3 inches is	A. $\frac{3}{5}$ B. $\frac{5}{3}$ C. $\frac{3}{60}$ D. $\frac{1}{20}$ E. 20
