

NAT II Physical Science Quantitative

Sr	Questions	Answers Choice
1	$(60)^2 = ? \times 72$	A. 36 B. 3600 C. 40 D. 50
2	15% of 32 equal	A. 3.80 B. 2.50 C. 4.80 D. 4 E. 5
3	The value of $(x + y)^2 + (x - y)^2$ is?	A. 4 B. $2(x^2 + y^2)$ C. $4xy$ D. $-4xy$
4	$2.08 - (0.5)^2 = ?$	A. -1.20 B. 1.88 C. 1.83 D. 2.16
5	$1.02 - 0.02 + ? = 1.842$	A. 0.222 B. 0.842 C. 2 D. None
6	If $x + 3y = 7$ and $2x + y = 5$ then x/y is?	A. $1/2$ B. $1/3$ C. $2/5$ D. $8/9$
7	A man bought 27 packets of Chilli Milli at \$280 each, 9 packets of Chilli Milli at \$320 each and 6 packets of Chilli Milli at \$360 each. Find the average price per packet of Chilli Milli.	A. \$250 B. \$300 C. \$400 D. \$380
8	The ratio from 5 feet to 3 inches is	A. $3/5$ B. $5/3$ C. $3/60$ D. $1/20$ E. 20
9	Which of the following is closest to the square root of $1/2$?	A. 0.7 B. 0.6 C. 0.8 D. 0.25 E. 0.5
10	The circumference of a circle whose diameter is 6 inches is approximately	A. 22 inches B. 19 inches C. 14 inches D. 38 inches E. 16 inches
11	If $x = 7y + 3$ and $z = 49y^2$ then what is 'z' in terms of x?	A. x^2 B. $x^2 - 3$ C. $(x - 3)^2/7$ D. None
12	$(60)^2 = ? \times 7$	A. 3600 B. 3528 C. 0.02 D. 50
13	What is the number, 5% of which is 10?	A. 200 B. 100 C. 50 D. 10
14	The population of 8 villages is 900, 750, 1100, 1050, 1250, 555, and 630. Find the population of Ninth village if the average population of Nine villages is 900.	A. 1200 B. 1050 C. 1030 D. 7070

15	If $a^2 - b^2$ and $a - b = 12$ then average of 'a' and 'b' is?	A. 3 B. 12 C. 6 D. $\frac{3}{2}$
16	What is $\frac{1}{5}\%$ of 5000	A. 10 B. 12 C. 16 D. 1000 E. 5000
17	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
18	$\sqrt{256} \div \sqrt{64} = ?$	A. $\frac{1}{4}$ B. $\frac{26}{8}$ C. 16 D. 4
19	If $3x + 5y = 10$ and $3y + 5x = 30$ then average if 'x' and 'y' is?	A. $\frac{3}{2}$ B. 4 C. $\frac{5}{2}$ D. $\frac{7}{2}$
20	David receives his allowance on Sunday. He spends $\frac{1}{4}$ of his allowance on Monday and $\frac{2}{3}$ of the remainder on Tuesday. What part of his allowance is left for the rest of the week?	A. $\frac{2}{3}$ B. $\frac{4}{5}$ C. $\frac{6}{7}$ D. $\frac{1}{4}$