

Quantitative Reasoning Algebra Test For Nat

Sr	Questions	Answers Choice
1	Find the ratio of 18 inches to 2 yards.	A. 3/4 B. 1/4 C. 1/5 D. 2/5
2	If p is a negative integer and $p^2 + 11p = t$, a value of t could be	A. 12 B. 18 C. -18 D. 11
3	If p is a negative integer and $p^2 + 11p = t$, a value of t could be:	A. 12 B. 18 C. -18 D. 11
4	Dave is twice as old as Bob, who is 3 years older than Steve. If Steve is $4a$ years old, Dave's age is:	A. $8a$ B. $22a$ C. $14a$ D. $8a+6$
5	One-sixth of a day is what part of the time between 3 p.m. Monday and 3 p.m. Thursday of the same week ?	A. 1/10 B. 1/18 C. 1/15 D. 1/12
6	What is the number, 5% of which is 10?	A. 200 B. 100 C. 50 D. 10
7	If a pipe can fill a tank in 2 hours and another pipe can fill the same tank in 40 minutes. how much time in minutes is needed to fill the tank if both the pipes are working together?	A. 90 B. 50 C. 60 D. 30
8	In solving an arithmetic example, Donna, by mistake multiplied by 6 instead of dividing by 6. If her answer was $13 \frac{1}{5}$, what should be the correct answer to the example?	A. $2 \frac{8}{11}$ B. $\frac{5}{66}$ C. $2 \frac{1}{5}$ D. $\frac{11}{30}$
9	If $abc = 2$ and $a = c$ then $b =$	A. $a^{\sup>2}$ B. $\frac{1}{2a}$ C. $2/a^{\sup>2}$ D. $2-a^{\sup>2}$
10	If $3 \frac{1}{5} c = 2 \frac{1}{2} b$ and $c \neq 0$, then $b/c = ?$	A. $\frac{25}{32}$ B. $\frac{7}{8}$ C. $\frac{32}{25}$ D. $\frac{11}{10}$
11	How many tens are equal to the number whose hundreds, tens, and units digits are a , b , and c , respectively ?	A. b C. $10a+b+c$
12	In a school there are 400 students, of whom 70% are boys. What is the number of girls?	A. 130 B. 200 C. 280 D. 2800
13	How many cents will r books cost if t books cost m dollars?	A. $100mr / t$ B. $mr / 100$ C. $100t / mr$ D. $m / 100t$
14	If $a^2 - b^2 = 36$ and $a - b = 12$ then average of 'a' and 'b' is?	A. 3 B. 12 C. 6 D. $\frac{3}{2}$
15	The death rates for three diseases are : Disease R 2 People out of 10,000 Disease S 13 People out of 1,000,000 Disease T 9 People out of 100,000 Disease R 2 People out of 10,000 What is the combined death rate for the three diseases?	A. 123 out of 1,000,000 B. 42 out of 10,000 C. 42 out of 1000,000 D. 303 out of 1,000,000

what is the combined death rate for the three diseases?

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- 16 The value of $(x+y)^2 + (x-y)^2$ is?
- A. 4
B. $2(x^2+y^2)$
C. $4xy$
D. $-4xy$
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- 17 If you have 50 green, 50 orange, and 50 yellow jelly beans, how many bags can you fill for Halloween each containing 2 green, 3 orange, and 4 yellow jelly beans ?
- A. 12
B. 13
C. 16
D. 17
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- 18 Dave is twice as old as Bob, who is 3 years older than Steve. If Steve is $4a$ years old, Dave's age is
- A. $8a$
B. $22a$
C. $14a$
D. $8a + 6$
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- 19 If $abc = 2$ and $a = c$ then $b =$
- A. a^2
B. $1/2a$
C. $2/a^2$
D. $2-a^2$
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- 20 Find the sum of money, 11% of which is Rs.1650.
- A. 150
B. 3300
C. 25000
D. 15000
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