

Quantitative Reasoning Algebra Test For Nat

| Sr | Questions | Answers Choice |
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| 1 | 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 8/11 B. 5/66 C. 2 1/5 D. 11/30 |
| 2 | <p>The death rates for three diseases are :</p> <p>Disease R 2 People out of 10,000</p> <p>Disease S 13 People out of 1,000,000</p> <p>Disease T 9 People out of 100,000</p> <p>Disease R 2 People out of 10,000</p> <p>What is the combined death rate for the three diseases?</p> | 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 |
| 3 | The value of $x^2 + 5x + 6$ at $x=2$ is: | A. 10 B. 14 C. 18 D. 20 |
| 4 | If a train travels $\frac{5}{6}$ miles in $1 \frac{1}{4}$ minutes, how many miles will it travel in 1 hour? | A. 20 miles B. 50 miles C. 40 miles D. 30 miles |
| 5 | Which of the following is the sum of two consecutive prime numbers? | A. 66 B. 52 C. 41 D. 29 |
| 6 | Four people are asked to stand in a straight line. In how many different orders can they line up? | A. 12 B. 16 C. 24 D. 6 |
| 7 | The annual decrease in the population of a city was 10% and the present number of inhabitants is 1620. What was the population 2 years hence? | A. 20 B. 400 C. 2000 D. 1000 |
| 8 | What is the sum of money, 6% of which is 18 dollars? | A. 600 B. 200 C. 300 D. 20 |
| 9 | 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 |
| 10 | How many cents will r books cost if t books cost m dollars? | A. $100mr / t$ B. $mr / 100$ C. $100t / mr$ D. $m / 100t$ |
| 11 | If $(36)(?)(7)=21$, then ? equals | A. 21/43 B. 1/42 C. 1/12 D. 1/11 |
| 12 | A clock gain 8 minutes every x hours. How many hours will the clock gain in 3 days ? | A. 576/x B. 48/5x C. 24/x D. 576/5x |
| 13 | The population of 8 villages is 900, 750, 1100, 1050, 835, 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 |
| 14 | 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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| 15 | How many integers from 28 to 98, both exclusive are exactly divisible by 7? | B. 11 C. 12 D. 8 |
| 16 | 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 |
| 17 | If $a^2 - b^2 = 36$ and $a-b = 12$ then average of 'a' and 'b' is? | A. 3 B. 12 C. 6 D. 3/2 |
| 18 | The average height of a class of 14 days 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 |
| 19 | 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 |
| 20 | The average height of five men is 68 inches. If one man is 70 inches tall and three others have an average of 67 inches, the height of the fifth man, in inches, is | A. 68 B. 69 C. 70 D. 71 |