

## Quantitative Reasoning Algebra Test For Nat

Sr	Questions	Answers Choice
1	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.	<p>A. <math>\\$250</math></p> <p>B. <math>\\$300</math></p> <p>C. <math>\\$400</math></p> <p>D. <math>\\$380</math></p>
2	A man spent 10% of his money. After spending 60% of the remainder he has Rs.72 left. How much had he in the start?	<p>A. 10</p> <p>B. 100</p> <p>C. 200</p> <p>D. 400</p>
3	If $3x+5y=10$ and $3y+5x=30$ then average if 'x' and 'y' is?	<p>A. <math>\frac{3}{2}</math></p> <p>B. 4</p> <p>C. <math>\frac{5}{2}</math></p> <p>D. <math>\frac{7}{2}</math></p>
4	The average of x,y,z and 40 is 10. What is the average of x,y, and z.	<p>A. 10</p> <p>B. 0</p> <p>C. 2</p> <p>D. 15</p>
5	The average height of five men is 68 inches. If one man is 70 inches tall and three other have an average of 67 inches, the height of the fifth man, in inches, is:	<p>A. 68</p> <p>B. 69</p> <p>C. 70</p> <p>D. 71</p>
6	If apples cost 3 for 37 cents, find the cost of $1\frac{3}{4}$ dozen apples.	<p>A. 111 cents</p> <p>B. 159 cents</p> <p>C. 259 cents</p> <p>D. 211 cents</p>
7	If $2x + y + 11$ and $3x + 2y = 17$ then y is?	<p>A. 1</p> <p>B. 5</p> <p>C. 6</p> <p>D. 4</p>
8	If $(36)(?)(7)=21$ , then ? equals	<p>A. <math>\frac{21}{43}</math></p> <p>B. <math>\frac{1}{42}</math></p> <p>C. <math>\frac{1}{12}</math></p> <p>D. <math>\frac{1}{11}</math></p>
9	Out of the 44 boys in a class 9 are of the age of 10, 15 at the age of 9, and the rest are at the age of 8. Find their average age.	<p>A. 7.85</p> <p>B. 8.75</p> <p>C. 12.2</p> <p>D. 14.35</p>
10	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	<p>A. 68</p> <p>B. 69</p> <p>C. 70</p> <p>D. 71</p>
11	When $3x^2+5x+7$ is subtracted from $x^2+8x+3$ the result is?	<p>A. <math>5x^2-3x+4</math></p> <p>B. <math>3x-2x^2-4</math></p> <p>C. <math>x^2+8x+10</math></p> <p>D. <math>11x^2+3x+10</math></p>
12	In a school there are 400 students, of whom 70% are boys. What is the number of girls?	<p>A. 130</p> <p>B. 200</p> <p>C. 280</p> <p>D. 2800</p>
13	How many cents will r books cost if t books cost m dollars?	<p>A. <math>100mr / t</math></p> <p>B. <math>mr / 100</math></p> <p>C. <math>100t / mr</math></p> <p>D. <math>m / 100t</math></p>
14	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed to plow	<p>A. 32</p> <p>B. 4</p>

	the field in 5 hours?	C. 16 D. 8
15	If a machine can place a cap on a bottle of soda every 0.8 seconds, how many bottles can be capped in 2 hours?	A. 8000 B. 9000 C. 300 D. 900
16	If $a^2 - b^2 = 36$ and $a - b = 12$ then average of 'a' and 'b' is?	A. 3 B. 12 C. 6 D. $3/2$
17	If it takes 10 minutes to walk $3/4$ mile, how many minutes will it take to walk the rest of the mile?	A. $2 \frac{1}{3}$ B. $13 \frac{1}{3}$ C. $4 \frac{2}{7}$ D. 30
18	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
19	How many tens are equal to the number whose hundreds, tens, and units digits are a, b, and c, respectively ?	A. b C. $10a + b + c$
20	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