

Quantitative Test for HEC HAT 2 Management Sciences and Business Education

Sr	Questions	Answers Choice
1	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
2	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.	A. 7.85 B. 8.75 C. 12.2 D. 14.35
3	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
4	The average height of a class of 14 boys is 5.3 feet. After a 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
5	A and B can do a job in 6 days. If A does the job alone he takes 10 days. What will be the time required by B to complete the job alone?	A. 8 B. 6 C. 15 D. 3
6	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
7	Find the arithmetic mean of 25.2, 13.5, 18.5 and 34.8	A. 13 B. 23 C. 27 D. 5
8	A clerk filled 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 filled per day?	A. 50 B. 95 C. 84 D. 74
9	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
10	Mr. Kashif got an average of 50 in 6 tests. What should he get in the next test to attain the average of 60?	A. 120 B. 60 C. 100 D. 70
11	If it takes 10 minutes to walk $\frac{3}{4}$ 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
12	A candy recipe calls for 5 parts milk, 4 parts cocoa, 4 parts syrup, 2 parts sugar, and 1 part butter. If you use 8 ounces of milk, how many ounces of candy mixture can you make?	A. $25\frac{3}{5}$ B. $5\frac{3}{5}$ C. 20 D. 128
13	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. $250\frac{3}{5}$ D. $333\frac{1}{3}$
14	If 10 tractors are needed to plow a field in 4 hours, how many tractors are needed to plow the same field in 2 hours?	A. 32 B. 4 C. 20 D. 5

	the field in 5 hours?	C. 16 D. 8
15	If apples cost 3 for 37 cents, find the cost of $1\frac{3}{4}$ dozen apples.	A. 111 cents B. 159 cents C. 259 cents D. 211 cents
16	How many cents will r books cost if t books cost m dollars?	A. $100mr / t$ B. $mr / 100$ C. $100t / mr$ D. $m / 100t$
17	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
18	Find the value of x if $3:b=x:c$.	A. $3b/c$ B. $c/3b$ C. $2c/3b$ D. $3c/b$
19	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
20	Find the ratio of 18 inches to 2 yards.	A. $\frac{3}{4}$ B. $\frac{1}{4}$ C. $\frac{1}{5}$ D. $\frac{2}{5}$
21	If ' x ' and ' y ' are positive and $\frac{1}{x}=3+\frac{1}{y}$ is ' x ' greater than ' y '?	A. Yes B. No C. It cannot be determined D. They are equal
22	If $4x-y=13$ and $3x-2y=7$ then what is the average of ' x ' and ' y '?	A. 4 B. 3 C. 2 D. 6
23	If $x=7y+3$ and $z=49y^2$ then what is ' z ' in terms of x ?	A. x^2 B. $x^{\sup>2\</sup>-3}$ C. $(x-3)^{\sup>2\</sup>}/7$ D. None
24	$Ay-b=c$, dy what is ' y ' in terms of ' a ', ' b ' and ' c '?	A. $(c+b) / (a+d)$ B. $(c-b) / (a+d)$ C. $(c-b) / (a+d)$ D. $(c+b) / (a-d)$
25	$Ay-b=c$, dy what is ' y ' in terms of ' a ', ' b ' and ' c '?	A. 30 B. $\frac{38}{2}$ C. $\frac{38}{3}$ D. $\frac{38}{5}$
26	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. $\frac{7}{2}$
27	$\frac{1}{x}=\frac{1}{y}+\frac{1}{z}$ then ' x ' in terms of ' y ' and ' z ' is given by?	A. $(y+z) / (y-z)$ B. $yz / (y+z)$ C. $(y+z) / yz$ D. $\frac{1}{z}-\frac{1}{y}$
28	The value of $(x+y)^2 - (x-y)^2$ is?	A. 4 B. $x^{\sup>2\</sup>+y^{\sup>2\</sup>}$ C. $4xy$ D. $-4xy$
29	The value of $(x+y)^2 + (x-y)^2$ is?	A. 4 B. $2(x^{\sup>2\</sup>+y^{\sup>2\</sup>})$ C. $4xy$ D. $-4xy$
30	When $3x^2+5x+7$ is subtracted from x^2+8x+3 the result is?	A. $5x^{\sup>2\</sup>-3x+4}$ B. $3x-2x^{\sup>2\</sup>-4}$ C. $x^{\sup>2\</sup>+8x+10}$ D. $11x^{\sup>2\</sup>+3x+10}$