

Quantitative Test for HEC HAT 4 Biological, Medical Sciences

Sr	Questions	Answers Choice
1	$x^2 = 1681$, $x=?$	A. 31 B. 41 C. 51 D. 61
2	Change $4\frac{4}{2}$ to an improper fraction:	A. $\frac{14}{3}$ B. $\frac{11}{3}$ C. $\frac{24}{3}$ D. $\frac{10}{3}$
3	$2244 - 0.88 = ? \times 1122$	A. 20.02 B. 20.2 C. 19.3 D. 2.27
4	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. $\frac{11}{10}$
5	$\frac{7}{3} \div \frac{35}{18} \div \frac{54}{20} = ?$	A. $\frac{49}{4}$ B. $\frac{4}{9}$ C. $\frac{4}{63}$ D. $\frac{81}{35}$
6	Question Image	A. 15 B. 30 C. 45 D. 72
7	Change $\frac{27}{7}$ to a mixed number.	A. $6\frac{1}{3}$ B. $7\frac{1}{2}$ C. $3\frac{6}{7}$ D. $2\frac{1}{7}$
8	If the ratio of $x : y$ is $9 : 7$, then $x+y$ is	A. 16 B. 2 C. 1 D. None
9	A rectangle is 16 cm long and 10 cm wide. If the length is reduced by k cm and its width is increased also by k cm so as to make it a square then its area changes by	A. 169 B. 256 C. 100 D. 9 E. None of the above
10	$\sqrt{169}/196 \times 14/\sqrt{1521} = ?$	A. $\frac{13}{42}$ B. $\frac{1}{13}$ C. $\frac{42}{5}$ D. $\frac{1}{42}$
11	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. $333\frac{1}{3}$
12	12 is $\frac{3}{4}$ of what number ?	A. 20 B. 24 C. 16 D. 8
13	If the sum of the interior angles of a regular polygon measures up to 1440 degrees, how many sides does the polygon have ?	A. 10 sides B. 8 sides C. 12 sides D. 9 sides
14	$Ay - b = c$, dy what is 'y' in terms of 'a', 'b' and 'c'?	A. $\frac{(c+b)}{(a+d)}$ B. $\frac{(c-b)}{(a+d)}$ C. $\frac{(c-b)}{(a+d)}$ D. $\frac{(c+b)}{(a-d)}$
15	If $x + 3y = 7$ and $2x + y = 5$ then value x/y is?	A. $\frac{1}{2}$ B. $\frac{1}{3}$ C. $\frac{2}{5}$ D. $\frac{5}{2}$

16	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
17	Question Image	A. 20 B. 25 C. 40 D. 50
18	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
19	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
20	A piece of fabric is cut into three sections so that the first is three times as long as the second and the second is three times as long as the third. What part of the entire piece is the smallest section ?	A. $\frac{2}{5}$ B. $\frac{3}{7}$ C. $\frac{2}{3}$ D. $\frac{1}{13}$