

40. If there are 8×10^{12} hydrogen molecules in a volume of 4×10^4 cubic centimeters, what is the average number of hydrogen molecules per cubic centimeter?

F. 5×10^{-9}

G. 2×10^3

H. 2×10^8

J. 32×10^{16}

K. 32×10^{48}

7. $4.6 \times 10^5 = ?$

a. 4.60000

b. 0.000046

c. 4,600,000

d. 460,000

e. 0.0000046

40. What is the product of 5×10^{-4} and 6×10^8 ?

f. 11×10^4

g. 3×10^4

h. 1.1×10^5

i. 3×10^5

j. 5.6×10^{-4}

19. In scientific notation, $670,000,000 + 700,000,000 = ?$

A. 1.37×10^{-9}

B. 1.37×10^7

C. 1.37×10^8

D. 1.37×10^9

E. 137×10^{15}