NAME:_____

1. 060927ia, P.I. A.N.4

What is the product of 12 and 4.2×10^6 expressed in scientific notation?

[A] 50.4×10^6 [B] 5.04×10^6

[C] 5.04×10^7 [D] 50.4×10^7

2. 010927ia, P.I. A.N.4

What is the product of 8.4×10^8 and 4.2×10^3 written in scientific notation?

[A] 2.0×10^5 [B] 3.528×10^{12}

[C] 35.28×10^{11} [D] 12.6×10^{11}

3. 010319a, P.I. A.N.4

What is the value of $\frac{6.3 \times 10^8}{3 \times 10^4}$ in scientific notation?

[A] 2.1×10^{-4} [B] 2.1×10^4

[C] 2.1×10^{-2} [D] 2.1×10^2

4. 060207a, P.I. A.N.4

If 3.85×10^6 is divided by 385×10^4, the result is

[A] 3.85×10^{10} [B] 1

[C] 0.01 [D] 3.85×10^4

5. fall0725ia, P.I. A.N.4

What is the quotient of 8.05×10^6 and 3.5×10^2 ?

[A] 2.3×10^8 [B] 2.3×10^4

[C] 2.3×10^{12} [D] 2.3×10^3

6. 010018a, P.I. A.N.4

If the number of molecules in 1 mole of a substance is 6.02×10^{23}, then the number of molecules in 100 moles is

[A] 6.02×10^{22} [B] 6.02×10^{21}

[C] 6.02×10^{25} [D] 6.02×10^{24}

7. 060429a, P.I. A.N.4

If the mass of a proton is 1.67×10^{-24} gram, what is the mass of 1,000 protons?

[A] 1.67×10^{-21} [B] 1.67×10^{-22}

[C] 1.67×10^{-27} [D] 1.67×10^{-23}

8. 060815b, P.I. A.N.4

In 1995, the federal government paid off one-third of its debt. If the original amount of the debt was \$4,920,000,000,000, which expression represents the amount that was not paid off?

[A] 1.64×10^4 [B] 3.28×10^8

[C] 1.64×10^{12} [D] 3.28×10^{12}

9. 060628a

What is the sum of 6×10^3 and 3×10^2 ?

[A] 9×10^6 [B] 18×10^5

[C] 9×10^5 [D] 6.3×10^3

[1] C

[2] B

[3] B

[4] B

[5] B

[6] C

[7] A

[8] D

[9] D