Unit 1 Lesson 11 – Multiplying & Dividing in Scientific Notation

1.) $\frac{6.2×10^{8}}{3.1×10^{5}}$

2.) (4.2 x 102)(3.45 x 107)

3.) (3 x 104)(5 x 103)

4.) $\frac{7.2×10^{7}}{2.4×10^{3}}$

5.) $\frac{11.2×10^{8}}{2×10^{4}}$

6.) (7 x 106)(2 x 107)

7.) $\frac{20.4×10^{10}}{5.1×10^{7}}$

8.) (4.5 x 105)(6.25 x 103)

9.) (1.2 x 102)(5.3 x 104)

10.) $\frac{9×10^{7}}{2×10^{5}}$

11.) The population of Town A is 4 x 106 and the population of Town B is 8 x 103. How many times the population of Town B is Town A?

12.) The mass of one molecule of oxygen is 5.3 x 10-23 gram. What is the mass of 3 x 104 molecules?

13.) An airplane traveled 5.7 x 102 miles per hour for 1.4 x 101 hours. How far did the airplane travel?

14.) The total consumption of fruit juice in a particular country in 2006 was about 2.28 x 109 gallons. The population of that country that year was 3 x 106. What was the average number of gallons consumed per person in the country in 2006?

15.) A corporation earned a profit of $2.5 x 104 for 3 x 103 days in a row. What was the corporation’s total profit during this time period?