

Multiplying/Dividing Operations with Scientific Notation Homework

Perform the operation. Write your answer in scientific notation.

1. $(2.3 \times 10^7)(1.4 \times 10^{-2})$

2. $(3.4 \times 10^4)(7.1 \times 10^5)$

3. $(2 \times 10^4)(5.4 \times 10^6)$

4. $\frac{(2.62 \times 10^5)(3 \times 10^4)}{3 \times 10^4}$

5. $\frac{9.5 \times 10^7}{5 \times 10^3}$

6. $\frac{8.44 \times 10^6}{2.11 \times 10^2}$

7. Each entry-level account executive in a large company makes an annual salary of $\$3.48 \times 10^4$. If there are 5.2×10^2 account executives in the company, how much do they make in all? Remember to write your answer in scientific notation.

8. A certain social media company process about 990 billion "likes" per year. If the company has approximately 8.9×10^8 users of the social media, about how many "likes" is each user responsible for per year? Write your answer in scientific and standard notation.