

Operations with Scientific Notation

Answer Key

Simplify each problem and express the answer in scientific notation.

1) $\frac{9 \times 10^6}{3 \times 10^2}$

3×10^4

2) $(5 \times 10^2)(7 \times 10^3)$

3.5×10^6

3) $(8 \times 10^8) - (9 \times 10^5)$

7.991×10^8

4) $(1 \times 10^{-1}) + (3 \times 10^{-5})$

1.0003×10^{-1}

5) $\frac{7 \times 10^4}{4 \times 10^8}$

1.75×10^{-4}

6) $(4 \times 10^9) - (6 \times 10^5)$

3.9994×10^9

7) $(6 \times 10^{-6})(2 \times 10^{-4})$

1.2×10^{-9}

8) $(7 \times 10^2) + (8 \times 10^4)$

8.07×10^4

9) $(5 \times 10^{-7}) + (3 \times 10^{-3})$

3.0005×10^{-3}

10) $\frac{2 \times 10^{-2}}{8 \times 10^2}$

2.5×10^{-5}

11) $(6 \times 10^{-7})(2 \times 10^{-5})$

1.2×10^{-11}

12) $\frac{3 \times 10^6}{4 \times 10^2}$

7.5×10^3