

Operations with Scientific Notation

Answer Key

Simplify each problem and express the answer in scientific notation.

1) $\frac{27 \times 10^7}{6 \times 10^3}$

4.5×10^4

2) $(2 \times 10^{-7}) + (3 \times 10^{-4})$

3.002×10^{-4}

3) $(9 \times 10^6) - (8 \times 10^2)$

8.9992×10^6

4) $(12 \times 10^4) (11 \times 10^0)$

1.32×10^6

5) $(16 \times 10^3) + (6 \times 10^1)$

1.606×10^4

6) $\frac{8 \times 10^9}{5 \times 10^5}$

1.6×10^4

7) $(3 \times 10^{-5}) (4 \times 10^{-1})$

1.2×10^{-5}

8) $(9 \times 10^5) - (7 \times 10^2)$

8.993×10^5

9) $\frac{5 \times 10^{-3}}{2 \times 10^2}$

2.5×10^{-5}

10) $(6 \times 10^{-1}) + (1 \times 10^{-5})$

6.0001×10^{-1}

11) $(7 \times 10^7) (6 \times 10^{-4})$

4.2×10^4

12) $(13 \times 10^{-2}) - (8 \times 10^{-3})$

1.22×10^{-1}