

Operations with Scientific Notation

Answer Key

Simplify each problem and express the answer in scientific notation.

1) $(8 \times 10^8) + (11 \times 10^7)$

9.1×10^8

2) $\frac{18 \times 10^{-7}}{3 \times 10^2}$

6×10^{-9}

3) $(7 \times 10^{-3}) (9 \times 10^4)$

6.3×10^2

4) $(5 \times 10^{-1}) - (3 \times 10^{-2})$

4.7×10^{-1}

5) $(6 \times 10^4) - (14 \times 10^1)$

5.986×10^4

6) $(4 \times 10^5) (9 \times 10^3)$

3.6×10^9

7) $\frac{15 \times 10^{-7}}{2 \times 10^0}$

7.5×10^{-7}

8) $(17 \times 10^2) + (16 \times 10^{-2})$

1.70016×10^3

9) $(5 \times 10^2) (4 \times 10^{-3})$

2×10^0

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

7.5×10^2

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

1.994×10^{-2}

12) $(3 \times 10^6) + (4 \times 10^3)$

3.004×10^6