

# Operations With Numbers in Scientific Notation

You can add, subtract, multiply, and divide numbers in scientific notation!

★ Add or subtract. Write each answer in scientific notation.

$$(3.58 \times 10^4) + (2.12 \times 10^4) = \underline{5.7 \times 10^4} \quad (6.58 \times 10^7) - (4.25 \times 10^7) = \underline{2.33 \times 10^7}$$

$$(9.56 \times 10^6) - (5.8 \times 10^6) = \underline{3.76 \times 10^6} \quad (4.83 \times 10^5) + (1.9 \times 10^4) = \underline{5.02 \times 10^5}$$

$$(1.75 \times 10^9) - (6.12 \times 10^8) = \underline{1.138 \times 10^9} \quad (5.63 \times 10^6) + (4.02 \times 10^7) = \underline{4.583 \times 10^7}$$

$$(7.82 \times 10^{11}) + (8.4 \times 10^9) = \underline{7.904 \times 10^{11}} \quad (3.2 \times 10^7) - (5.9 \times 10^5) = \underline{3.141 \times 10^7}$$

★ Multiply or divide. Write each answer in scientific notation.

$$\frac{8.5 \times 10^8}{2.5 \times 10^2} = \underline{3.4 \times 10^6} \quad (1.3 \times 10^5)(7.2 \times 10^4) = \underline{9.36 \times 10^9}$$

$$(2.14 \times 10^4)(3.5 \times 10^6) = \underline{7.49 \times 10^{10}} \quad \frac{9.12 \times 10^{10}}{4 \times 10^3} = \underline{2.28 \times 10^7}$$

$$(4.5 \times 10^4)(6.6 \times 10^7) = \underline{2.97 \times 10^{12}} \quad (5.7 \times 10^{-3})(4.3 \times 10^8) = \underline{2.451 \times 10^6}$$

$$\frac{3.8 \times 10^5}{8 \times 10^{-4}} = \underline{4.75 \times 10^8} \quad \frac{3.99 \times 10^{11}}{4.2 \times 10^7} = \underline{9.5 \times 10^3}$$