

# Lesson 7 Skills Practice

## Compute with Scientific Notation

Evaluate each expression. Express the result in scientific notation.

1.  $(5.8 \times 10^5)(6.4 \times 10^2)$   
 **$3.712 \times 10^8$**

2.  $(3.92 \times 10^6)(2.2 \times 10^4)$   
 **$8.624 \times 10^{10}$**

3.  $\frac{2.952 \times 10^6}{3.6 \times 10^3}$   
 **$8.2 \times 10^2$**

4.  $\frac{2.052 \times 10^7}{5.4 \times 10^4}$   
 **$3.8 \times 10^2$**

5.  $(6.9 \times 10^7) + (2.12 \times 10^5)$   
 **$6.9212 \times 10^7$**

6.  $(1.78 \times 10^4) + (5.35 \times 10^3)$   
 **$2.315 \times 10^4$**

7.  $(8.4 \times 10^7) - (6.3 \times 10^6)$   
 **$7.77 \times 10^7$**

8.  $(9.62 \times 10^5) - (2.58 \times 10^3)$   
 **$9.5942 \times 10^5$**

9.  $\frac{6.256 \times 10^8}{6.8 \times 10^4}$   
 **$9.2 \times 10^3$**

10.  $\frac{2.888 \times 10^5}{7.22 \times 10^2}$   
 **$4 \times 10^2$**

11.  $(3.68 \times 10^3)(2.4 \times 10^6)$   
 **$8.832 \times 10^9$**

12.  $(7.2 \times 10^7)(1.82 \times 10^2)$   
 **$1.3104 \times 10^{10}$**

13.  $(6.78 \times 10^4) - (4.13 \times 10^2)$   
 **$6.7387 \times 10^4$**

14.  $\frac{3.024 \times 10^6}{4.8 \times 10^2}$   
 **$6.3 \times 10^3$**

15.  $(5.9 \times 10^8) + (2.6 \times 10^6)$   
 **$5.926 \times 10^8$**

16.  $(3.45 \times 10^7)(1.68 \times 10^4)$   
 **$5.796 \times 10^{11}$**

17.  $(8.33 \times 10^3) + (4.1 \times 10^5)$   
 **$4.1833 \times 10^5$**

18.  $(6.82 \times 10^5) - (3.11 \times 10^4)$   
 **$6.509 \times 10^5$**