

**Practice**Student Edition  
Pages 506–512**Scientific Notation***Express each number in scientific notation.*

1. 6387

2. 560,000

3. 41,000,000

4. 0.003157

5. 0.00009621

6. 0.00000000814

7.  $4740 \times 10^5$

8.  $56 \times 10^7$

9.  $0.0057 \times 10^8$

10.  $0.076 \times 10^{-3}$

11. 915,600,000,000

12. 0.0000000000112

*Evaluate. Express each result in scientific and decimal notation.*

13.  $\frac{5.1 \times 10^6}{1.5 \times 10^2}$

14.  $\frac{3 \times 10^{-2}}{1.2 \times 10^3}$

15.  $\frac{7.2 \times 10^{-5}}{4 \times 10^{-3}}$

16.  $\frac{1.17 \times 10^2}{5 \times 10^{-1}}$

17.  $\frac{1.82 \times 10^5}{9.1 \times 10^7}$

18.  $\frac{1.68 \times 10^4}{8.4 \times 10^{-4}}$

19.  $\frac{1.2 \times 10^7}{6.0 \times 10^3}$

20.  $\frac{6.72 \times 10^3}{4.2 \times 10^8}$

21.  $\frac{9.6 \times 10^{-4}}{1.6 \times 10^{-5}}$

22.  $(3.1 \times 10^7)(2 \times 10^{-5})$

23.  $(5 \times 10^{-2})(1.4 \times 10^{-4})$

24.  $(8.3 \times 10^2)(9.1 \times 10^{-7})$

25.  $(9.72 \times 10^7)(4.8 \times 10^{-10})$

26.  $(1.39 \times 10^{-3})(5.82 \times 10^{-6})$

27.  $(2.5 \times 10^5)(3.62 \times 10^{-5})$

28.  $(9.8 \times 10^6)(1.12 \times 10^2)$

29.  $(7.8 \times 10^5)(3.45 \times 10^{-6})$