

## Section R.4 Scientific Notation

Write each of the following numbers in scientific notation.

1. 506,000

2. 4,560,000,000

3. 0.0000065

4. 0.045

5. 8.45

Rewrite each of the following in decimal number form.

6.  $3.12 \times 10^4$

7.  $5 \times 10^7$

8.  $5.68 \times 10^0$

9.  $6.02 \times 10^{-8}$

10.  $7.99 \times 10^{-3}$

Perform the indicated operation. Write your answer in scientific notation.

11.  $(5.25 \times 10^2) + (4.7 \times 10^{-1})$

12.  $(6 \times 10^{-5}) - (4.28 \times 10^{-6})$

13.  $(6.21 \times 10^3)(1.5 \times 10^2)$

14.  $(75)(450)$

15.  $(8.44 \times 10^4) \div (2.0 \times 10^2)$