

## Lesson 2.1 Understanding Scientific Notation

**Tell whether each number is written correctly in scientific notation. If incorrectly written, state the reason.**

1.  $9 \cdot 10^{15}$

2.  $21.5 \cdot 10^{-5}$

3.  $7.25 \cdot 10^{23}$

4.  $0.8 \cdot 10^7$

**Write each number in scientific notation.**

5. 6,238

6. 3,700,000,000

7. 0.000000000000083

8. 0.0028

**Write each number in standard form.**

9.  $6.05 \cdot 10^1$

10.  $8.4 \cdot 10^5$

11.  $3.82 \cdot 10^{-4}$

12.  $9.8 \cdot 10^{-7}$