

## Scientific Notation

**1** What is the order of magnitude of these numbers?

$$5.1 \times 10^4 \quad \underline{\hspace{2cm}}$$

$$1.63 \times 10^{-10} \quad \underline{\hspace{2cm}}$$

**2** Compare these numbers.

$$1 \times 10^8 \quad \bigcirc \quad 1 \times 10^{-8}$$

**3** Compare these numbers.

$$8.5 \times 10^{23} \quad \bigcirc \quad 9.99 \times 10^{21}$$

**4** Compare these numbers.

$$1 \times 10^3 \quad \bigcirc \quad 1,000$$

**5** Convert this number into Scientific Notation.

**38,500,000**

**6** Convert this number into regular form.

$$8.1 \times 10^4$$

**7** Convert this number into Scientific Notation.

**0.000045**

**8** Convert this number into regular form.

$$7.04 \times 10^{-3}$$

**9** Convert this number into Scientific Notation.

**6,250,000,000,000**

**10** Convert this number into regular form.

$$7 \times 10^7$$