

### 9-8 Comparing Scientific Notation

Name \_\_\_\_\_ Per. \_\_\_\_

1. Place the numbers in order from least to greatest.

$$4.58 \times 10^6$$

$$4.58 \times 10^{-6}$$

$$4.58 \times 10^3$$

$$4.58 \times 10^0$$

2. Place the numbers in order from greatest to least.

$$3.178 \times 10^{-4}$$

$$3,178,000$$

$$9.26 \times 10^{-5}$$

$$0.000317$$

3. Use  $>$ ,  $<$ , or  $=$  to compare the numbers below.

a.  $8.5 \times 10^{-5}$  \_\_\_\_\_  $8.5 \times 10^{-3}$

b.  $3.7 \times 10^5$  \_\_\_\_\_  $4.5 \times 10^5$

c.  $2.35 \times 10^{-2}$  \_\_\_\_\_  $2.53 \times 10^2$

4. Place the numbers in order from least to greatest.

$$0.235000$$

$$6.223 \times 10^3$$

$$5.247 \times 10^3$$

$$6,054,000$$

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