

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.

$$7 \times 10^7$$