Scientific Notation

Scientific Notation Format

Example:

$$3.58 \times 10^4 = 35,800.$$

Positive Exponent

If the exponent is positive, the decimal moves to the right based on the value of the exponent.

Example:

1.5
$$\times$$
 10 2 \longrightarrow 1.50. \longrightarrow 150.

10 to the power of 2 2 movements right

Negative Exponent

If the exponent is negative, the decimal moves to the left based on the value of the exponent.

Example:

1.5
$$\times$$
 10⁻² \longrightarrow 0.01.5 \longrightarrow 0.015

10 to the power of -2

2 movements left