

Examples of numbers expressed in Scientific Notation.

$$1 \times 10^2$$

$$2 \times 10^{-2}$$

$$8.3 \times 10^1$$

$$8.3 \times 10^{-3}$$

Note: The underlined numbers above will always be *equal to or greater than 1 but less than 10*.

Note: The following numbers are *not* written in Scientific Notation.

$$0.1 \times 10^2$$

$$21 \times 10^{-2}$$

$$0.83 \times 10^1$$

$$83 \times 10^{-3}$$

$$1 \times 10^2$$

$$1 \times [10 \cdot 10]$$

$$2 \times 10^{-2}$$

$$2 \times \frac{1}{10^2}$$

$$8.3 \times 10^1$$

$$8.3 \times 10$$

$$\left[8 + \frac{3}{10} \right] \times 10$$

$$8.3 \times 10^{-3}$$

$$\left[8 + \frac{3}{10} \right] \times \frac{1}{1000}$$

$$8.3 \times 10^{-3}$$

$$\left[8 + \frac{3}{10} \right] \times \frac{1}{1000}$$

$$8 \frac{3}{10} \times \frac{1}{1000}$$

$$\left[\quad \quad \quad \right] \times \frac{1}{1000}$$

$$\frac{83}{10} \times \frac{1}{1000}$$



$$1 \times 10^2$$

$$1. \times 10^2$$

$$100.$$

In this case, we
multiplied by

$$2 \times 10^{-2}$$

$$2. \times 10^{-2}$$

$$.02$$

In this case, we
divided by

$$8.3 \times 10^1$$

$$83.$$

In this case, we
multiplied by

$$8.3 \times 10^{-3}$$

$$.0083$$

In this case, we
divided by

$$5.2851 \times 10^2$$

528.51

In this case, we
multiplied by

$$1.2985 \times 10^{-5}$$

.000012985

In this case, we
divided by

$$-7.008 \times 10^{-3}$$

- .007008

In this case, we
divided by