

# Standard and Scientific Notation

**Answer Key**

A) Express each number in scientific notation.

$$1) \ 0.326 = \underline{3.26 \times 10^{-1}} \qquad 2) \ 5,637 = \underline{5.637 \times 10^3}$$

$$3) \ 0.0098745 = \underline{9.8745 \times 10^{-3}} \qquad 4) \ 0.00020055 = \underline{2.0055 \times 10^{-4}}$$

$$5) \ 0.13 = \underline{1.3 \times 10^{-1}} \qquad 6) \ 423 = \underline{4.23 \times 10^2}$$

$$7) \ 61,470 = \underline{6.147 \times 10^4} \qquad 8) \ 0.09 = \underline{9 \times 10^{-2}}$$

B) Express each number in standard notation.

$$1) \ 3.2069 \times 10^1 = \underline{32.069} \qquad 2) \ 2.146 \times 10^{-2} = \underline{0.02146}$$

$$3) \ 9.26 \times 10^{-4} = \underline{0.000926} \qquad 4) \ 7.895 \times 10^3 = \underline{7,895}$$

$$5) \ 1.482 \times 10^2 = \underline{148.2} \qquad 6) \ 5.93 \times 10^{-1} = \underline{0.593}$$

$$7) \ 4.6371 \times 10^{-3} = \underline{0.0046371} \qquad 8) \ 8.4 \times 10^4 = \underline{84,000}$$