

Standard and Scientific Notation

Answer Key

A) Express each number in scientific notation.

$$1) \ 6,224 = \underline{6.224 \times 10^3} \qquad 2) \ 16 = \underline{1.6 \times 10^1}$$

$$3) \ 0.00973 = \underline{9.73 \times 10^{-3}} \qquad 4) \ 0.0315 = \underline{3.15 \times 10^{-2}}$$

$$5) \ 0.00072 = \underline{7.2 \times 10^{-4}} \qquad 6) \ 0.12 = \underline{1.2 \times 10^{-1}}$$

$$7) \ 1.216 = \underline{1.216 \times 10^0} \qquad 8) \ 5,008 = \underline{5.008 \times 10^3}$$

B) Express each number in standard notation.

$$1) \ 3 \times 10^{-4} = \underline{0.0003} \qquad 2) \ 5.8 \times 10^{-1} = \underline{0.58}$$

$$3) \ 9.81 \times 10^{-3} = \underline{0.00981} \qquad 4) \ 4 \times 10^{-4} = \underline{0.0004}$$

$$5) \ 6.32 \times 10^{-2} = \underline{0.0632} \qquad 6) \ 1.57 \times 10^{-1} = \underline{0.157}$$

$$7) \ 2.47 \times 10^{-1} = \underline{0.247} \qquad 8) \ 1.9 \times 10^{-3} = \underline{0.0019}$$