

Standard and Engineering Notations

Express each number in engineering notation.

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|----------------|------------------------|---------------------------|------------------------|
| 1) 3075 = | 0.003075×10^3 | 3.075×10^3 | 3.075×10^{-3} |
| 2) 45947 = | 45.947×10^3 | 0.45947×10^3 | 45947000×10^6 |
| 3) 0.003 = | 0.000003×10^3 | 3×10^3 | 3×10^{-3} |
| 4) 0.00125 = | 1.25×10^{-3} | 125×10^6 | 1.25×10^3 |
| 5) 872000 = | 8.72×10^6 | 8.72×10^3 | 872×10^3 |
| 6) 0.94300 = | 943×10^{-3} | 0.000943×10^{-6} | 943×10^3 |
| 7) 1,000,000 = | 1000×10^3 | 1×10^6 | 1×10^{-6} |
| 8) 4,400 = | 44×10^3 | $.0044 \times 10^{-6}$ | 4.4×10^3 |

Express each number in standard form.

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|-----------------------------------|---------------------------------|
| 9) $8.65 \times 10^{-3} =$ _____ | 10) $1.61 \times 10^6 =$ _____ |
| 11) $8.5 \times 10^{-6} =$ _____ | 12) $3.042 \times 10^3 =$ _____ |
| 13) $3.67 \times 10^{-3} =$ _____ | 14) $2.445 \times 10^3 =$ _____ |
| 15) $3.4121 \times 10^9 =$ _____ | 16) $4.216 \times 10^3 =$ _____ |