

Problem 12

(I) Express the following using the prefixes of Table 1-4: (a) 1×10^6 volts, (b) 2×10^{-6} meters, (c) 6×10^3 days, (d) 18×10^2 bucks, and (e) 8×10^{-8} seconds.

Solution

(a) 1×10^6 volts = 1 megavolt = 1 MV

(b) 2×10^{-6} meters = 2 micrometers = $2 \mu\text{m}$

(c) 6×10^3 days = 6 kilodays

(d) 18×10^2 bucks = 18 hectobucks

(e) 8×10^{-8} seconds = 80 nanoseconds = 80 ns